Siebel Object Types Reference

Siebel Innovation Pack 2013
Version 8.1/8.2
September 2013

ORACLE

Copyright © 2005, 2013 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Contents

Chapter 1: What's New in This Release

Chapter 2: Overview of Using Siebel Object Types Reference

Conventions This Book Uses to Describe Object Types 13
Common Object Properties 15
Object Types That You Must Not Modify 19
Alphabetic List of Object Types 20

Chapter 3: Siebel Object Types Reference

Applet Object Types 30
Applet 31
Applet Browser Script 37
Applet Locale 38
Applet Message 38
Applet Message Locale 39
Applet Message Variable 40
Applet Message Variable Locale 40
Applet Method Menu Item 41
Applet Method Menu Item Locale 41
Applet Script (H) 42
Applet Server Script 43
Applet Toggle 43
Applet User Prop 44
Applet Web Template 44
Applet Web Template Item 45
Applet Web Template Item Locale 47
Chart 48
Chart Element 55
Chart Element Locale 65
Chart Locale 65
Control 66
Control Locale 80
Control User Prop 81
Drilldown Object 82

Drilldown Object Locale 84
List 84
List Column 85
List Column Locale 91
List Column User Prop 92
List Locale 93
Tree 93
Tree Node 93
Tree Node Locale 95

Application Object Types 96
Application 96
Application Browser Script 98
Application Event Services 99
Application Find 99
Application Locale 100
Application Method Menu Item (H) 100
Application Method Menu Item Locale (H) 101
Application Server Script 101
Application Toolbar (H) 102
Application User Prop (H) 102
Page Tab 102
Page Tab Locale 103
Screen Menu Item 103
Screen Menu Item Locale 104

Assignment Attribute Object Types 104
Assignment Attribute 105
Assignment Attribute Column 106

Assignment Criteria Object Types 107
Assignment Criteria 108
Assignment Criteria Attribute 109
Assignment Criteria Attribute Locale 110
Assignment Criteria Locale 111

Bitmap Category Object Types 111
Bitmap 112
Bitmap Category 113
Bitmap Locale 113

Business Component Object Types 114
BusComp Browser Script 115
BusComp Server Script 115
BusComp View Mode 115

Business Component 117
Business Component User Prop 125
Field 126
Field Locale 136
Field User Prop 137
Join 137
Join Constraint 138
Join Specification 139
Multi Value Field 140
Multi Value Link 142
MVF Pick Map 145
MVF Pick Map UpdOnlyIfNull 146
Pick Map 147
Pick Map UpdOnlyIfNull 148
Single Value Field 149
SVF Pick Map 153
SVF Pick Map UpdOnlyIfNull 154

Business Object Types 154
Business Object 154
Business Object Component 155

Business Service Object Types 155
Business Service 156
Business Service Browser Script 158
Business Service Locale 158
Business Service Method 158
Business Service Method Arg 159
Business Service Method Arg Locale 160
Business Service Method Arg User Prop 161
Business Service Method Locale 161
Business Service Server Script 162
Business Service Subsystem 162
Business Service User Prop 162

Class Object Types 163
Class 163
Class Method 165
Class Method Menu Item 165
Class Method Menu Item Locale 166
Class User Prop 166
Class User Prop Value 167

Command Object Types 168
Accelerator 168

Accelerator Locale 169
Command 170
Command Locale 172
Content Object Types 172
Content Object 173
Content Object View 174
DLL Object Type 174
DLL 174
Dock Object Types 175
Dock Object 175
Dock Object Related DObj 176
Dock Object Table 177
Dock Object Visibility Rule 178
EIM Interface Table Object Types 180
Attribute Mapping 180
EIM Explicit Primary Mapping 181
EIM Interface Table 181
EIM Interface Table Column 182
EIM Table Mapping 185
Foreign Key Mapping 185
Foreign Key Mapping Column 186
Interface Table User Key Usage 187
Entity Relationship Diagram Object Types 187
Entity 188
Entity Attribute (H) 188
Entity Physical Relation (H) 189
Entity Relation 190
Entity Relationship Diagram 191
External Search Engine Object Type 191
External Search Engine (H) 191
Find Object Types 192
Find 192
Find Field 193
Find Field Locale 195
Find Locale 195
Find Pick View 196
Find View 197
Help ID Object Type 197
Help Id 197

HTML Hierarchy Bitmap Object Type 198
HTML Hierarchy Bitmap 198
Icon Map Object Types 200
Icon 200
Icon Map 200
Import Object Types 201
Import Aux Field 201
Import Field 201
Import Field Column 202
Import Field Locale 202
Import Field Map 203
Import Key Field 203
Import Object 204
Import Source 204
Integration Object Types 205
Integration Component 205
Integration Component Field 206
Integration Component Field User Prop 208
Integration Component Key 209
Integration Component Key Field 209
Integration Component User Prop 210
Integration Object 210
Integration Object User Prop 211
Link Object Type 211
Link 211
Menu Object Types 216
Menu 216
Menu Item 216
Menu Item Locale 217
Message Category Object Types 218
Message 218
Message Category 218
Message Locale 219
Pager Object Type 219
Pager Object 219
Pick List Object Type 221
Pick List 221
Project Object Type 222
Project 223

Report Object Type 223
Report 223
Repository Object Type 224
Repository 224
Schema Maintenance Object Types 224
Schema Maintenance 224
Screen Object Types 225
Screen 225
Screen Locale 227
Screen View 227
Screen View Locale 229
Server Component Object Types 230
Server Component Event Subtype 230
Server Component Event Type 231
Server Component Parameter 231
Server Component State Value 233
Server Component Statistic 234
Server Component Subsystem 234
Server Component Type 235
String Object Types 236
String (H) 236
String Map (H) 236
Symbolic String Object Types 236
Symbolic String (H) 236
Symbolic String Locale 238
System Activity Object Types 238
System Activity Object 238
Table Object Types 239
Column 240
Data Source (H) 245
Index 246
Index Column 248
Table 248
User Key 251
User Key Attribute 251
User Key Attribute Join 252
User Key Attribute Tree Node 252
User Key Column 253
Task Object Types 253

Task 254
Task Branch 256
Task Branch Criteria 257
Task Branch Criteria Value 258
Task Chapter 258
Task Chapter Locale 259
Task Event 259
Task Event IO Argument 260
Task Locale 262
Task Metric 262
Task Property 263
Task Step 265
Task Step Context 267
Task Step IO Argument 269
Task Step Locale 270

Task Group Object Types 270
Task Group 271
Task Group Item 271
Task Group Locale 272

Text Style Object Types 272
Text Style (H) 273

Toolbar Object Types 273
Toolbar 274
Toolbar Item 274
Toolbar Item Locale 275
Toolbar Locale 276

Type Object Types 277
Attribute 277
Type 278

View Object Types 279
View 279
View Locale 284
View Task Group 285
View Task Group Locale 286
View User Prop (H) 286
View Web Template 286
View Web Template Item 287
View Web Template Item Locale 288

Web Page Object Types 289
Web Page 289

Web Page Item 290
Web Page Item Locale 291
Web Page Item Parameter 292
Web Page Locale (H) 292
Web Template Object Types 292
Web Template 293
Web Template File 293
Workflow Policy Column Object Type 293
Workflow Policy Column 294
Workflow Policy Object Types 294
Assignment Object 295
Assignment Object Extension 310
Assignment User Prop 312
Dynamic Candidate (H) 313
Dynamic Candidate Attribute (H) 314
Dynamic Candidate Component (H) 314
Dynamic Candidate Component Col (H) 315
Dynamic Candidate Locale (H) 316
Dynamic Drilldown Destination 316
Workflow Policy Component 317
Workflow Policy Component Col 319
Workflow Policy Object 319
Workflow Policy Program Object Types 320
Workflow Policy Program 320
Workflow Policy Program Arg 322
Workflow Process Object Types 327
WF Branch Connector (H) 327
WF Branch Criteria (H) 328
WF Branch Criteria Value (H) 329
WF Process Metric 330
WF Process Prop 330
WF Step 333
WF Step Branch (H) 338
WF Step I/O Argument (H) 340
WF Step Recipient (H) 341
Workflow Process 342

Index

1 What's New in This Release

What's New in Siebel Object Types Reference, Version 8.1/8.2

Table 1 lists changes in this version of the documentation to support Siebel CRM releases 8.1.1.11 and 8.2.2.4.

Table 1. What's New in Siebel Object Types Reference, Version 8.1/8.2

Topic	Description
"Control" on page 66	Modified topic. It is recommended that you set the HTML Display Mode to EncodeData for security purposes.

What's New in Siebel Object Types Reference, Version 8.1, Rev B and Version 8.2, Rev B

Table 2 lists changes in this version of the documentation to support this release of the software.

Table 2. What's New in Siebel Object Types Reference, Version 8.1, Rev B and Version 8.2, Rev B

Topic	Description
"About the Scale and Precision Properties" on page 17	New topic. Clarifies the Scale and Precision properties.
"Control" on page 66	Modified topic. DontEncodeData is no longer supported.
"Configuring the Prompt Text Property of a Control or List Column" on page 80	New topic. The Prompt Text Property specifies the text that Siebel CRM displays in the status bar of the browser that displays the client.
"Configuring the Sequence Property of a List Column to Import Records" on page 90	New topic. To import records, you must make sure you set the Sequence property of the list column so that Siebel CRM imports records in the correct order.
"Multi Value Field" on page 140	Modified topic. To avoid performance problems, it is recommended that you do not specify in the Field property a multivalue field from another business component.
"Pick Map UpdOnlyIfNull" on page 148	Modified topic. Siebel CRM disables the constraint only if the field that the parent constraint pick map references is empty, and if the field that this updonlyifnull pick map references is empty.
"Business Service" on page 156	Modified topic. In most situations, you must set the Server Enabled property to TRUE.

Table 2. What's New in Siebel Object Types Reference, Version 8.1, Rev B and Version 8.2, Rev B

Topic	Description
"Toolbar Item" on page 274	Modified topic. You cannot use the Type property to configure a combo box that Siebel CRM displays in a list of values or from a business component.
"Differences Between Static and Dynamic Drilldowns" on page 317	Modified topic. To use a dynamic drilldown, the user must be assigned a responsibility that allows this user to view the default drilldown.
Workflow process and workflow policy objects.	Topics moved. Some content in the topics that describe workflow process and workflow policy objects was moved from *Siebel Business Process Framework: Workflow Guide*.

Additional Modifications

This version of Siebel Object Types Reference also includes structural modifications to the content and writing style, such as topic organization.

2 Overview of Using Siebel Object Types Reference

This chapter describes an overview of Siebel Object Types Reference. It includes the following topics:

- Conventions This Book Uses to Describe Object Types on page 13
- Common Object Properties on page 15
- Object Types That You Must Not Modify on page 19
- Alphabetic List of Object Types on page 20

Conventions This Book Uses to Describe Object Types

This book uses the following conventions:

- Each object type includes a table that describes the properties that the object type includes. The Property column in these tables includes one of the following values:
  - **(R) Required.** You must include a value for this property.
  - **(O) Optional.** You are not required to include a value for this property.
  - **(S) System.** Siebel CRM creates a value that you cannot modify.
  - **(H) Hidden.** Identifies object types and properties that the Siebel Web Client does not use. Siebel CRM hides these items in the client and does not display them in the Object Explorer in Siebel Tools. If Siebel CRM hides an object type, then it also hides the properties of this object type. To display these hidden items and other object types in the Object Explorer, see the topic about displaying object types in *Using Siebel Tools*.
- If you spell an object name, then you must use the same spelling that this book uses for this object name.
- A constant is case-sensitive. You typically use all uppercase characters to spell it. For example, TRUE or FALSE for a Boolean field.

A *user* is a person who uses the client of a Siebel Business Application to use Siebel CRM data.

The *client* is the client of a Siebel Business Application.

The *server* is the Siebel Server, unless noted otherwise.

An *administrator* is anyone who uses the administrative views in the client to configure Siebel CRM.

Computer font indicates a value you enter or text that Siebel CRM displays. For example:

```
This is computer font
```

A *predefined object* is an object that comes defined with Siebel CRM. The objects that Siebel Tools displays in the Object List Editor immediately after you install Siebel Tools and an SRF but before you make any customizations are predefined objects.

Siebel Tools can display the value for the property of an object type in one of the following ways:

- Statically in a dropdown list or dialog box.
- Dynamically in a dropdown list or dialog box.
- Text entry.
- With a check mark.
- As a link.

To view the full list of values that you can use for most properties, you can click the dropdown list that Siebel Tools displays if you click anywhere in the value field of the property. This book does not describe every property value you can choose. It describes only the property values that require elaboration.

This book describes only reference information about object types. For information about how to use object types to configure Siebel CRM, see *Configuring Siebel Business Applications*.

Your Siebel Business Application might not include all the features that this documentation describes, depending on the software modules that your company purchases.

Differences That Exist Between the Properties Window and the Object List Editor

In most situations, the properties and values that Siebel Tools displays for an object definition in the Properties Window and the Object List Editor are identical. There are some differences:

- The Properties Window sometimes uses an abbreviated label for a property. For example, the Properties Window uses Workflow Component while the Object List Editor uses Workflow Policy Component to describe the same property of the assignment attribute column object type.
- The Properties Window might not include every property. For example, it does not include the Project property for some object types.
- The Object List Editor might not include every property.

If differences exist, then this book describes Object List Editor usage unless noted otherwise.

Getting Help From Oracle

If you require help from Oracle for using object types, you can create a service request (SR) on My Oracle Support. Alternatively, you can phone Global Customer Support directly to create a service request or get a status update on your current SR. Support phone numbers are listed on My Oracle Support. You can also contact your Oracle sales representative for Oracle Advanced Customer Services to request assistance from Oracle's Application Expert Services.

Common Object Properties

Table 3 describes object properties that are common for many different object types. Their meaning and usage is the same for these object types. If an object type includes a property that Table 3 describes, then, for brevity, the table in this book that describes the properties for this object type might not include this property.

Table 3. Common Object Properties

Property	Description
Application Code	Reserved for future use.
Changed **(S)**	If you edit a record, then Siebel Tools adds a check mark in the Changed property. This check mark indicates that you modified this object definition since the date and time that you specify in the General tab of the Development Options dialog box. If the Changed property does not include a check mark, then no modification has occurred. For more information, see *Using Siebel Tools*.
Comments **(O)**	Includes text that describes the object definition. This text helps the developer to understand how Siebel CRM uses this property. It does not affect Siebel CRM functionality in any way. It is for documentation purposes only.
Description **(S)**	Includes text that describes the object definition. This text helps the developer to understand how Siebel CRM uses this property. It does not affect Siebel CRM functionality in any way. It is for documentation purposes only.
GParent, GGParent **(S)**	Specifies the name of the grandparent or great-grandparent object definition. Siebel Tools creates the value that this property contains. It displays this property only in the Object List Editor and only if you click the Flat tab in the Object Explorer.
ICL Upgrade Path **(S)**	Identifies the releases that Siebel CRM sets for the Upgrade Behavior property to Preserve for ICL (Incorporate Custom Layout) user interface objects. For more information about ICL, see *Siebel Database Upgrade Guide*.
Inactive **(O)**	If this property includes a check mark, then Siebel Tools does not compile this object definition when you compile the Siebel Repository File and it does not allow other objects to reference it.
Language Code **(R)**	The abbreviation for the language that Siebel Tools uses for this object definition. For example, you can use the following value for U.S. English: `ENU`
Module	Reserved for future use.

Table 3. Common Object Properties

Property	Description
Needs High Interactivity **(O)**	If this property includes a check mark, then Siebel Tools uses high interactivity for this object definition. It is recommended that you not modify this property value from the default value. Any modification you make might affect performance. A Browser Script object typically includes this property.
Object Language Locked	The abbreviation for the language that Siebel Tools uses for this locked object. For example, ENU for U.S. English. For more information about object and project locking, see *Using Siebel Tools*.
Object Locked	If this property includes a check mark, then the object definition is locked.
Object Locked by Name	Contains the user name of the developer who locked the object definition.
Object Locked Date	Contains the date when the developer locked the object definition.
Parent Name, Parent *object_defn_name* **(S)**	Contains the parent name of the current object definition. Siebel Tools creates this value. The Parent Business Component property of the Link object type is different from the parent property for other object types. If you create a new link object, then you must enter a value in the Parent Business Component property.
Project **(R)**	Identifies the project that the object definition references.
Redo **(O)**	Describes a single-level redo of a field modification or a record modification. The Locale Management Utility uses this property to track locale-specific modifications.
Repository Name **(S)**	Identifies the repository that includes the object definition.
String Override **(O)**	A language-independent override of the String Reference property. If a value exists in the String Reference property, then Siebel Tools uses this value instead of the value that the String Reference property contains. Siebel Tools displays a string override as *property_name*-String Override. For example: `Display Name - String Override`

Table 3. Common Object Properties

Property	Description
String Reference **(R)**	References a symbolic string. Siebel Tools displays a string reference as *property_name*-String Override. For example: `Display Name - String Override` For example, the Title - String Reference property contains SBL_ACCOUNTS-1004224727-0H5 for the Account List Applet. This string reference references a symbolic string locale. The ENU string value for this locale is Accounts.
Tooltip Text	Obsolete. You must not use this property.
Translate **(S)**	The Locale Management Utility uses this property to track modifications that occur to localization. This property is for Oracle use only.
Upgrade Ancestor **(S)**	You can use this property to make sure that the Application Upgrader upgrades an object that you copy in the same way that it upgrades the original object. For example, assume you make a copy of the Account business component, and then name it ESG Account. You set the Upgrade Ancestor property of the ESG Account business component to Account. This value configures the Application Upgrader to upgrade the ESG Account business component in the same way that it upgrades the Account business component.
Upgrade Behavior **(S)**	Determines if Siebel CRM preserves a user interface object for ICL (Incorporate Custom Layout) handling when it does a repository merge. You can use one of the following values: ■ **Admin.** The object is never eligible for ICL handling and Siebel CRM ignores it. ■ **Non-Preservable.** The object is not eligible for ICL handling for an upgrade for the current release. Siebel CRM might modify this value to Preserve in a subsequent release. ■ **Preserve.** The object is eligible for ICL handling. Oracle sets the value of the Upgrade Behavior property and the ICL Upgrade Path property for each release. You must not modify these values. For more information about ICL, see *Siebel Database Upgrade Guide*.

About the Scale and Precision Properties

The Scale property of an object type specifies the total number of digits that can exist to left and right of the decimal point for a numeric field:

- A noninteger column can include a total of 22 digits.

- An integer column can include a total of 10 digits.

For example, if the scale for a number is 6, and if the precision is 2, then this field can represent a number that uses the following format:

```
9999.99
```

The Precision property of an object type specifies the maximum number of digits that can exist to the right of the decimal point for a numeric field:

- A numeric column can include a total of 7 digits to the right of the decimal point.
- An integer column cannot include any digits to the right of the decimal point.

Formats You Can Use With an Accelerator Object Type

This topic describes the format that you can use with an Accelerator or Accelerator Locale. A menu or toolbar item might include a command field. If this command field includes a command that uses an accelerator that you define, then Siebel CRM uses this accelerator. You can use one of the following formats:

- `modifier + name`
- `modifier_1 + modifier_n + name`
- `accelerator`

where:

- *modifier* is Ctrl, Alt, or Shift.
- *name* is 0 through 9, A through Z, F 0 through 24, a key_code, or a constant.
- *key_code* is a three-symbol decimal code, such as 128, or a four-symbol hex number, such as 0x10.
- *constant* is INSERT, DEL, LEFT, RIGHT, UP, DOWN, HOME, END, PAGEUP, PGUP, PAGEDOWN, PGDN, SPACE, TAB, or ENTER.

For example, you can use the following formats:

- Ctrl+F10
- Alt+A
- Ctrl+ INSERT
- Ctrl+Alt+0x221

The syntax is not case-sensitive.

Modifying Undocumented User Properties

You can only modify a user property that is documented. For example, you can modify a user property for an applet that references the CSSFrameBrowser class. Only Oracle can create or delete a user property that is not documented. For more information, see *Siebel Developer's Reference*.

Object Types That You Must Not Modify

This topic lists object types that Siebel CRM uses to manage the repository or that are for internal Oracle use only. You must not modify or delete any of these objects. For help with using these object types, see "Object Types That You Must Not Modify" on page 19.

CAUTION: You must not modify any object type that this topic lists. Any modification can adversely affect Siebel CRM performance and operation.

Object Types That the Siebel Enterprise Integration Manager Uses

The Siebel Enterprise Integration Manager Wizard uses the following object types:

- Attribute on page 277
- Attribute Mapping on page 180
- EIM Explicit Primary Mapping on page 181
- EIM Interface Table on page 181
- EIM Interface Table Column on page 182
- EIM Table Mapping on page 185
- Foreign Key Mapping on page 185
- Foreign Key Mapping Column on page 186
- Interface Table User Key Usage on page 187
- User Key on page 251
- User Key Attribute on page 251
- User Key Attribute Join on page 252
- User Key Attribute Tree Node on page 252
- User Key Column on page 253

Object Types That Information Access Uses

Information access uses the following object types. Instead of modifying these objects, it is recommended that you use the Dock Object Wizard to create a new object:

- Dock Object on page 175
- Dock Object Related DObj on page 176
- Dock Object Table on page 177
- Dock Object Visibility Rule on page 178

Object Types That Server Components Use

Server components use the following object types:

- Server Component Event Subtype on page 230
- Server Component Event Type on page 231
- Server Component Parameter on page 231
- Server Component State Value on page 233
- Server Component Statistic on page 234
- Server Component Subsystem on page 234
- Server Component Type on page 235

Miscellaneous Object Types

You must not modify any of the following object types:

- Class on page 163
- Class Method on page 165
- Class Method Menu Item on page 165
- Class Method Menu Item Locale on page 166
- DLL on page 174
- Repository on page 224. If you migrate a repository, then you can modify the repository name.
- String (H) on page 236
- String Map (H) on page 236
- Attribute on page 277

Alphabetic List of Object Types

The following list includes all object types that this book describes:

- Accelerator on page 168
- Accelerator Locale on page 169
- Applet Locale on page 38
- Applet User Prop on page 44
- Applet Web Template on page 44
- Applet Web Template Item on page 45
- Applet Web Template Item Locale on page 47
- Application on page 96
- Application Browser Script on page 98
- Application Event Services on page 99

- Application Find on page 99
- Application Locale on page 100
- Application Method Menu Item (H) on page 100
- Application Method Menu Item Locale (H) on page 101
- Application Server Script on page 101
- Application Toolbar (H) on page 102
- Application User Prop (H) on page 102
- Assignment Attribute on page 105
- Assignment Attribute Column on page 106
- Assignment Object on page 295
- Assignment Object Extension on page 310
- Assignment User Prop on page 312
- Assignment Criteria on page 108
- Assignment Criteria Attribute on page 109
- Assignment Criteria Attribute Locale on page 110
- Assignment Criteria Locale on page 111
- Attribute on page 277
- Attribute Mapping on page 180
- Bitmap on page 112
- Bitmap Category on page 113
- Bitmap Locale on page 113
- BusComp Browser Script on page 115
- BusComp Server Script on page 115
- BusComp View Mode on page 115
- Business Component on page 117
- Business Component User Prop on page 125
- Business Object on page 154
- Business Object Component on page 155
- Business Service on page 156
- Business Service Browser Script on page 158
- Business Service Locale on page 158
- Business Service Method on page 158
- Business Service Method Arg on page 159

- Business Service Method Arg Locale on page 160
- Business Service Method Arg User Prop on page 161
- Business Service Method Locale on page 161
- Business Service Server Script on page 162
- Business Service Subsystem on page 162
- Business Service User Prop on page 162
- Class on page 163
- Class Method on page 165
- Class Method Menu Item on page 165
- Class Method Menu Item Locale on page 166
- Class User Prop on page 166
- Class User Prop Value on page 167
- Column on page 240
- Command on page 170
- Command Locale on page 172
- Content Object on page 173
- Content Object View on page 174
- Chart on page 48
- Chart Element on page 55
- Chart Element Locale on page 65
- Chart Locale on page 65
- Control on page 66
- Control Locale on page 80
- Control User Prop on page 81
- Drilldown Object on page 82
- Drilldown Object Locale on page 84
- Dynamic Candidate (H) on page 313
- Dynamic Candidate Attribute (H) on page 314
- Dynamic Candidate Component (H) on page 314
- Dynamic Candidate Component Col (H) on page 315
- Dynamic Candidate Locale (H) on page 316
- Dynamic Drilldown Destination on page 316
- Data Source (H) on page 245

- DLL on page 174
- Dock Object on page 175
- Dock Object Related DObj on page 176
- Dock Object Table on page 177
- Dock Object Visibility Rule on page 178
- EIM Explicit Primary Mapping on page 181
- EIM Interface Table on page 181
- EIM Interface Table Column on page 182
- EIM Table Mapping on page 185
- Entity on page 188
- Entity Attribute (H) on page 188
- Entity Physical Relation (H) on page 189
- Entity Relation on page 190
- Entity Relationship Diagram on page 191
- External Search Engine (H) on page 191
- Field on page 126
- Field Locale on page 136
- Field User Prop on page 137
- Find on page 192
- Find Field on page 193
- Find Field Locale on page 195
- Find Locale on page 195
- Find Pick View on page 196
- Find View on page 197
- Foreign Key Mapping on page 185
- Foreign Key Mapping Column on page 186
- Help Id on page 197
- HTML Hierarchy Bitmap on page 198
- Icon on page 200
- Icon Map on page 200
- Import Aux Field on page 201
- Import Field on page 201
- Import Field Column on page 202

- Import Field Locale on page 202
- Import Field Map on page 203
- Import Key Field on page 203
- Import Object on page 204
- Import Source on page 204
- Index on page 246
- Index Column on page 248
- Integration Component on page 205
- Integration Component Field on page 206
- Integration Component Field User Prop on page 208
- Integration Component Key on page 209
- Integration Component Key Field on page 209
- Integration Component User Prop on page 210
- Integration Object on page 210
- Integration Object User Prop on page 211
- Interface Table User Key Usage on page 187
- Join on page 137
- Join Constraint on page 138
- Join Specification on page 139
- Link on page 211
- List on page 84
- List Column on page 85
- List Column Locale on page 91
- List Column User Prop on page 92
- List Locale on page 93
- Menu on page 216
- Menu Item on page 216
- Menu Item Locale on page 217
- Message on page 218
- Message Category on page 218
- Message Locale on page 219
- Multi Value Field on page 140
- Multi Value Link on page 142

- MVF Pick Map on page 145
- MVF Pick Map UpdOnlyIfNull on page 146
- Page Tab on page 102
- Page Tab Locale on page 103
- Pager Object on page 219
- Pick List on page 221
- Pick Map on page 147
- Pick Map UpdOnlyIfNull on page 148
- Project on page 223
- Repository on page 224
- Screen Menu Item on page 103
- Screen Menu Item Locale on page 104
- Schema Maintenance on page 224
- Screen on page 225
- Screen Locale on page 227
- Screen View on page 227
- Screen View Locale on page 229
- Server Component Event Subtype on page 230
- Server Component Event Type on page 231
- Server Component Parameter on page 231
- Server Component State Value on page 233
- Server Component Statistic on page 234
- Server Component Subsystem on page 234
- Server Component Type on page 235
- Single Value Field on page 149
- String (H) on page 236
- String Map (H) on page 236
- SVF Pick Map on page 153
- SVF Pick Map UpdOnlyIfNull on page 154
- Symbolic String (H) on page 236
- Symbolic String Locale on page 238
- System Activity Object on page 238
- Table on page 248

- Task on page 254
- Task Branch on page 256
- Task Branch Criteria on page 257
- Task Branch Criteria Value on page 258
- Task Chapter on page 258
- Task Chapter Locale on page 259
- Task Event on page 259
- Task Event IO Argument on page 260
- Task Group on page 271
- Task Group Item on page 271
- Task Group Locale on page 272
- Task Locale on page 262
- Task Metric on page 262
- Task Property on page 263
- Task Step on page 265
- Task Step Context on page 267
- Task Step IO Argument on page 269
- Task Step Locale on page 270
- Text Style (H) on page 273
- Toolbar on page 274
- Toolbar Item on page 274
- Toolbar Item Locale on page 275
- Toolbar Locale on page 276
- Tree on page 93
- Tree Node on page 93
- Tree Node Locale on page 95
- Type on page 278
- User Key on page 251
- User Key Attribute on page 251
- User Key Attribute Join on page 252
- User Key Attribute Tree Node on page 252
- User Key Column on page 253
- View on page 279

- View Locale on page 284
- View Task Group on page 285
- View Task Group Locale on page 286
- View User Prop (H) on page 286
- View Web Template on page 286
- View Web Template Item on page 287
- View Web Template Item Locale on page 288
- Web Page on page 289
- Web Page Item on page 290
- Web Page Item Locale on page 291
- Web Page Item Parameter on page 292
- Web Page Locale (H) on page 292
- Web Template on page 293
- Web Template File on page 293
- WF Branch Connector (H) on page 327
- WF Branch Criteria (H) on page 328
- WF Branch Criteria Value (H) on page 329
- WF Process Metric on page 330
- WF Process Prop on page 330
- WF Step on page 333
- WF Step Branch (H) on page 338
- WF Step I/O Argument (H) on page 340
- WF Step Recipient (H) on page 341
- Workflow Policy Column on page 294
- Workflow Policy Component on page 317
- Workflow Policy Component Col on page 319
- Workflow Policy Object on page 319
- Workflow Policy Program on page 320
- Workflow Policy Program Arg on page 322
- Workflow Process on page 342

3 Siebel Object Types Reference

This chapter describes Siebel Object Types. It includes the following topics. This is the same list of topics that the Object Explorer displays in Siebel Tools:

- Applet Object Types on page 30
- Application Object Types on page 96
- Assignment Attribute Object Types on page 104
- Assignment Criteria Object Types on page 107
- Bitmap Category Object Types on page 111
- Business Component Object Types on page 114
- Business Object Types on page 154
- Business Service Object Types on page 155
- Class Object Types on page 163
- Command Object Types on page 168
- Content Object Types on page 172
- DLL Object Type on page 174
- Dock Object Types on page 175
- EIM Interface Table Object Types on page 180
- Entity Relationship Diagram Object Types on page 187
- External Search Engine Object Type on page 191
- Find Object Types on page 192
- Help ID Object Type on page 197
- HTML Hierarchy Bitmap Object Type on page 198
- Icon Map Object Types on page 200
- Import Object Types on page 201
- Integration Object Types on page 205
- Link Object Type on page 211
- Menu Object Types on page 216
- Message Category Object Types on page 218
- Pager Object Type on page 219
- Link Object Type on page 211

- Pick List Object Type on page 221
- Project Object Type on page 222
- Repository Object Type on page 224
- Schema Maintenance Object Types on page 224
- Screen Object Types on page 225
- Server Component Object Types on page 230
- String Object Types on page 236
- Symbolic String Object Types on page 236
- System Activity Object Types on page 238
- Table Object Types on page 239
- Task Object Types on page 253
- Task Group Object Types on page 270
- Text Style Object Types on page 272
- Toolbar Object Types on page 273
- Type Object Types on page 277
- View Object Types on page 279
- Web Page Object Types on page 289
- Web Template Object Types on page 292
- Workflow Policy Column Object Type on page 293
- Workflow Policy Object Types on page 294
- Workflow Policy Program Object Types on page 320
- Workflow Process Object Types on page 327

Applet Object Types

This topic describes the Applet object type and object types that are children of an applet. It includes the following topics:

- Applet on page 31
- Applet Browser Script on page 37
- Applet Locale on page 38
- Applet Message on page 38
- Applet Message Locale on page 39
- Applet Message Variable on page 40
- Applet Message Variable Locale on page 40

- Applet Method Menu Item on page 41
- Applet Method Menu Item Locale on page 41
- Applet Script (H) on page 42
- Applet Server Script on page 43
- Applet Toggle on page 43
- Applet User Prop on page 44
- Applet Web Template on page 44
- Applet Web Template Item on page 45
- Applet Web Template Item Locale on page 47
- Chart on page 48
- Chart Element on page 55
- Chart Element Locale on page 65
- Chart Locale on page 65
- Control on page 66
- Control Locale on page 80
- Control User Prop on page 81
- Drilldown Object on page 82
- Drilldown Object Locale on page 84
- List on page 84
- List Column on page 85
- List Column Locale on page 91
- List Column User Prop on page 92
- List Locale on page 93
- Tree on page 93
- Tree Node on page 93
- Tree Node Locale on page 95

Applet

An applet allows the user to view, enter, and modify data that the applet gets from a single business component. It includes the following qualities:

- Occupies a section of a view
- Composed of controls, such as buttons, fields, check boxes, and other types of controls, such as buttons that call a method or an ActiveX control

- Allows the user to view, enter, modify, and navigate through records
- Can display as a form, list of records, chart, business graphics, or navigation tree
- Allows data entry for a single record or through a scrolling table that Siebel CRM displays multiple records

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet

Table 4 describes properties that Siebel CRM uses with an applet.

Table 4. Properties of the Applet

Property	Description
Associate Applet **(O)**	Specifies the name of an applet that relates data from two different entities. It uses a many-to-many relationship. Siebel CRM can associate rows from entity B with rows from entity A, where entity B is an association applet that includes a many-to-many relationship and entity A is the main applet. You can specify an association list applet.
Auto Query Mode **(O)**	You can use one of the following values: ■ **New Query.** Deletes the business component search specification, deletes the predefined query for the business object, and sets the business component to Query mode. Automatically displays the applet in Query mode. ■ **Refine Query.** Uses the existing search specifications and predefined queries.
Background Bitmap **(O)(H)**	The bitmap that Siebel CRM displays in the applet background. You can specify the object definition for any applet background bitmap.
Background Bitmap Style **(O)(H)**	Specifies how Siebel CRM arranges the background bitmap. You can use one of the following values: ■ **Center.** Display the image centered in the middle of the background. ■ **Stretch.** Stretch the image so that it covers the entire background. ■ **Tile.** Display multiple copies of the image so that it covers the entire background.

Table 4. Properties of the Applet

Property	Description
Business Component **(O)**	Specifies the name of the business component that includes the data that Siebel CRM displays. A view that uses an applet references a business object. This business object must include a business object component that references the business component that includes the data that Siebel CRM must display.
Class **(O)**	Specifies the name of a C++ class that Siebel CRM uses to manage the applet. You can use one of the following values: ■ **CSSFrame.** Form applet. ■ **CSSFrameChart.** Chart applet. ■ **CSSFrameList.** List applet. ■ **CSSFrameTree.** Tree applet. You can also use a specialized applet class. For example: ■ CSSFrameListAttachment ■ CSSFrameListActivity
Default Applet Method	Specifies the method that runs if the user presses the Enter key in the applet.
Disable Dataloss Warning	Allows you to hide the data loss warning at the applet level in a Siebel Industry Application. It works with the EnableSIDataLossWarning parameter in the tools.cfg file. If Siebel CRM runs in Standard Interactivity (SI) mode, and if the EnableSIDataLossWarning parameter is TRUE, and if a user attempts to navigate away from an applet without explicit saving modifications, then Siebel CRM displays a warning message in the client. You can use one of the following values: ■ **TRUE.** Disables data loss warning. ■ **FALSE.** Enables data loss warning.
Height **(R)(H)**	Specifies the vertical size of the applet in sector units. You can use one of the following values: ■ 1 ■ 2 ■ 3 ■ 4
Help Identifier **(O)**	Not used.

Table 4. Properties of the Applet

Property	Description
HTML Number of Rows **(O)**	Specifies the number of rows that Siebel CRM displays in a list applet. If the HTML Number of Rows Property property is empty, then Siebel CRM uses the value of the NumberOfListRows parameter in the application configuration file. This parameter sets the default number of rows for the list applets that this application displays. If the NumberOfListRows parameter is also not specified, then Siebel CRM sets the default value to 10. In some Siebel CRM versions, the default value for some applets might equal seven.
HTML Popup Dimension **(O)(H)**	Specifies the dimension in pixels of the pop-up dialog box. You use the following format: *number*x*number* where: ■ x is lower case. You cannot include empty spaces. For example: 640x480
ICL Upgrade Path	For more information, see "Common Object Properties" on page 15.
Insert Applet **(O)**	Not used.
Insert Position **(O)**	Specifies the position where Siebel CRM creates a new record. You can use one of the following values: ■ **BEFORE.** Before the current record. ■ **AFTER.** After the current record. ■ **FIRST.** After first record. ■ **LAST.** After last record.
Mail Address Field **(O)**	Specifies the default email recipient that Siebel CRM displays in the Message Properties dialog box. It uses the list of recipients in the applet user properties. For example: Email Address Where: ■ Email Address is a business component field.

Table 4. Properties of the Applet

Property	Description
Mail Template **(O)**	Specifies the text file that Siebel CRM uses to fill in data in the default email message. It can include the following placeholder that uses a substitution value for a field: `%field%` The contents of the `C:\Siebel\MSGTEMPL` directory determines the list of mail templates that are available.
Name **(R)**	Specifies the name of the applet. The name can include spaces. It must be unique among applets. Any object that references an applet references the applet name. For example: `Account Form Applet`
No Delete **(O)**	Specifies if Siebel CRM can delete a row in an applet. You can use one of the following values: ■ **TRUE.** No row deletion allowed. ■ **FALSE.** Row deletion allowed.
No Insert **(O)**	Specifies if Siebel CRM can insert a row in an applet. You can use one of the following values: ■ **TRUE.** No row insertion allowed. ■ **FALSE.** Row insertion allowed.
No Merge **(O)**	Specifies if Siebel CRM can merge a row in an applet. You can use one of the following values: ■ **TRUE.** No row merge allowed. ■ **FALSE.** Row merge allowed.
No Update **(O)**	Specifies if Siebel CRM can update a field in an applet. You can use one of the following values: ■ **TRUE.** No field update allowed. ■ **FALSE.** Field update merge allowed.

Table 4. Properties of the Applet

Property	Description
Popup Dimension **(O)(H)**	Specifies the size of the pop-up applet. This text property is valid only for association, pick, multivalue group, and detail applets. You can use the following format: *W* X *H* where: ■ *W* is the width in pixels. ■ *H* is the height in pixels. ■ X is upper-case. ■ A space must precede and follow the X. For example: `512 X 220`
Scripted **(S)**	Specifies if a Siebel VB or Siebel eScript script is attached to the applet. It can include of the following values: ■ **TRUE.** Script attached. ■ **FALSE.** No script attached.
Search Specification **(O)**	Specifies a conditional expression that Siebel CRM uses to restrict the records it gets from the business component that the applet references. For example: `[Service Flag] = 'Y'` For more information, see "How Siebel CRM Uses an Applet Search Specification" on page 37.
Task	Specifies the name of the Task object for an applet that a task uses. For example: `Asset To Contract Task`
Text Style **(O)(H)**	Specifies a text style for all controls that the applet includes. Siebel CRM uses this value by default only if the control does not specify a text style. If you do not specify a value for the Text Style property, then Siebel CRM uses the text style that the Browser specifies or that the .css files for the Siebel Business Application specifies.
Title **(O)**	Specifies the text that Siebel CRM uses for the applet title. For example: `Account`
Type **(O)**	Specifies the type of the applet.

Table 4. Properties of the Applet

Property	Description
Upgrade Behavior	For more information, see "Common Object Properties" on page 15.
Width **(R)(H)**	Specifies the horizontal size of the applet in sectors. You can use one of the following values: ■ 1 ■ 2

How Siebel CRM Uses an Applet Search Specification

An *applet search specification* is a search specification that resides in the Search Specification property of an applet. If an applet includes a search specification, and if the business component that the applet references includes a search specification, then Siebel CRM appends the applet search specification to the end of the value in the Search Specification property of this business component. It does not use the applet search specification to override the search specification on this business component.

If the user navigates to an applet that does not include a search specification, then Siebel CRM does not requery or use the existing search specification except in the following situations:

- **The user navigates from a parent applet to a child applet.** It uses an empty applet search specification.
- **Siebel CRM modifies the visibility mode of the parent applet.** It uses the applet search specification even if this search specification is empty.

If multiple applets in one view reference the same business component, then you must not specify different applet search specifications. You must make sure all of these applets use the same search specification or that all of these applet search specifications are empty.

An applet search specification can modify the query context for a user who performs a query.

The applet search specification is not available for multivalue group and association applets in versions prior to Siebel CRM version 5.0.

Applet Browser Script

An applet browser script defines the browser script that an applet uses. For more information, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Browser Script

Table 5 describes properties that Siebel CRM uses with an applet browser script.

Table 5. Properties of the Applet Browser Script

Property	Description
Browser Group **(O)**	Not used.
Name **(S)**	Specifies a unique name for the script record. For example: `Applet_ChangeRecord_All` You must not modify this property. To create a value for this property, Siebel Tools combines the User Agent and Procedure properties.
Procedure **(O)**	Specifies the applet name that Siebel CRM uses to upgrade the current applet during the next repository merge. It typically uses the ancestor applet that this property specifies as the source to create a new applet.
Script **(O)**	Text for the function.

Applet Locale

An applet locale defines a language override that Siebel CRM uses with an applet.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Locale

Table 6 describes properties that Siebel CRM uses with an applet locale.

Table 6. Properties of the Applet Locale

Property	Description
Name **(R)**	The language abbreviation that the Siebel Business Application uses. For example: `ENU`
Title **(O)**	The text that Siebel CRM uses for the applet title for a language.

Applet Message

An applet message allows Siebel CRM to combine static text with dynamic data, such as the value from a business component field. If you bind an applet message to an applet control, then Siebel CRM displays this message as a read-only, translated string that includes dynamic data. For more information about configuring an applet message, see *Siebel Business Process Framework: Task UI Guide*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Message

Table 7 describes properties that Siebel CRM uses with an applet message.

Table 7. Properties of the Applet Message

Property	Description
Name **(R)**	Specifies the name for the applet message. You can use this name and the Field picklist to bind the applet message to a control.
Text Message **(R)**	Specifies the text message. It references a symbolic string that includes static text and placeholders for dynamic data. A placeholder uses the following format: *%n* where: ■ *n* is a number. For example: `Here is the tracking number for your case: %1`
Text Message - String Override	Specifies the override message of a symbolic string. This override is for a text message.

Applet Message Locale

An applet message locale defines language overrides that Siebel CRM uses with an applet message.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Message > Applet Message Locale

Table 8 describes properties that Siebel CRM uses with an applet message locale.

Table 8. Properties of the Applet Message Locale

Property	Description
Language Code **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Text Message **(R)**	Specifies the string that Siebel CRM uses for the Applet Message.

Applet Message Variable

An applet message variable includes a list of business component fields and their corresponding numerical key. Siebel CRM uses this numerical key to identify the placeholder it must replace in the parent applet message.

For example, assume the following applet message:

```
Here is the tracking number for your case: %1.
```

The Applet Message Variable that Siebel CRM uses for the Case Id business component field in this example is a value of 1. At runtime, if the value of Case Id is 12-ABCX, then the Applet Message contains the following value:

```
Here is the tracking number for your case: 12-ABCX.
```

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Message > Applet Message Variable

Table 9 describes properties that Siebel CRM uses with an applet message variable.

Table 9. Properties of the Applet Message Variable

Property	Description
Field **(R)**	Specifies a field from the business component that the applet references.
Field - Language Override **(O)**	Specifies the language that Siebel CRM uses for a field that is different from the language that the Siebel Business Application uses.
Value **(R)**	Specifies a numeric value for the field value that Siebel CRM replaces at runtime. This value must correspond to one of the placeholders in the text of the parent applet message.

Applet Message Variable Locale

An applet message variable locale defines a language override that Siebel CRM uses with an applet message variable.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Message > Applet Message Variable > Applet Message Variable Locale

Table 10 describes properties that Siebel CRM uses with an applet message variable locale.

Table 10. Properties of the Applet Message Variable Locale

Property	Description
Field **(O)**	Specifies the name of an alternative field that Siebel CRM uses if the value of the Name property is the active locale.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Applet Method Menu Item

An applet method menu item defines the applet menu that Siebel CRM displays if the applet is activate. You must write script in the PreInvokeMethod event handler that examines the method string and performs an action. If this string does not exist, then an error occurs. For more information, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Method Menu Item

Table 11 describes properties that Siebel CRM uses with an applet method menu item.

Table 11. Properties of the Applet Method Menu Item

Property	Description
Command **(O)**	Specifies the command that Siebel CRM runs if the user chooses an item in an applet menu.
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(O)**	Specifies the name of the menu item in a menu.
Position **(R)**	Specifies the position of the menu item in a menu. This value is an integer.
Suppress Menu Item **(O)**	Removes the menu item that the Name property identifies from the applet menu. You can use one of the following values: ■ **TRUE.** Suppress the menu item. ■ **FALSE.** Do not suppress the menu item.

Applet Method Menu Item Locale

An applet method menu item locale defines the language override that Siebel CRM uses with an applet method menu item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Method Menu Item > Applet Method Menu Item Locale

Table 12 describes properties that Siebel CRM uses with an applet method menu item locale.

Table 12. Properties of the Applet Method Menu Item Locale

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Applet Script (H)

An applet script defines a Siebel VB script or Siebel eScript script for an applet. Starting with Siebel CRM version 7.0, applet browser script and applet server script replace applet script.

This object type occurs in the following location in the object hierarchy:

- Applet > Applet Script

Table 13 describes properties that Siebel CRM uses with an applet script.

Table 13. Properties of the Applet Script

Property	Description
Name **(R)**	Specifies the name of the script.
Program Language **(O)**	Specifies the script programming language. You can use one of the following values: ■ **SBL.** Siebel VB. ■ **JS.** Siebel eScript.
Script **(R)**	Specifies the body of the script. The maximum size of this body is 16KB.
Sequence **(R)**	Specifies the order that Siebel CRM uses to compile scripts that this object contains. This property can contain only an integer. For example, assume the Sequence property for Script A is 1 and the Sequence property for Script B is 2. Siebel CRM compiles script Script A first and then Script B second.

Applet Server Script

An applet server script defines script for a server applet. For more information, see *Siebel Object Interfaces Reference*. Starting with Siebel CRM version 7.0, applet server script replaces applet script and applet web script.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Server Script

The applet server script uses the same properties as the applet script. For more information, see Table 13 on page 42.

Applet Toggle

An applet toggle allows the user to navigate back and forth between different applets in the same view. For more information, see *Configuring Siebel Business Applications*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Toggle

Table 14 describes properties that Siebel CRM uses with an applet toggle.

Table 14. Properties of the Applet Toggle

Property	Description
Applet **(R)**	Specifies the name of the applet that Siebel CRM displays for a static toggle. For example: `Activity Form Applet`
Auto Toggle Field **(O)**	Specifies the business component field for a dynamic toggle. Siebel CRM examines the current value that this field contains to the value that the Auto Toggle Value property contains. For example: `Item Type BusObj Name`
Auto Toggle Value **(O)**	Specifies the value in the business component field for a dynamic toggle. If this field contains the value that the Auto Toggle Value property specifies, then Siebel CRM displays the applet. For example: `Action`

Table 14. Properties of the Applet Toggle

Property	Description
Name **(R)**	Specifies the name of the applet that Siebel CRM displays. For example: `Activity Form Applet`
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this applet for a dynamic toggle. This property can contain only an integer. For example, assume the Sequence property for Applet Toggle A is 1 and the Sequence property for Applet Toggle B is 2. Siebel CRM displays Applet Toggle A first and then Applet Toggle B second.

Applet User Prop

An applet user prop sends a value to the C++ code that implements specialized applet configuration. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File. For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet User Prop

Table 15 describes properties that Siebel CRM uses with an applet user prop.

Table 15. Properties of the Applet User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Applet Web Template

An applet web template does the following:

- Identifies the web template that an applet uses.
- Identifies external HTML or other markup language files that define the layout and Siebel Web Engine interactions for an applet.
- Includes child applet web template items that define the mappings between controls or list columns in the applet and placeholder tags in the web template file.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Web Template

Table 16 describes properties that Siebel CRM uses with an applet web template.

Table 16. Properties of the Applet Web Template

Property	Description
Expression **(O)(H)**	Not used.
Name **(R)**	Specifies the name of this applet web template.
Sequence **(O)**	Specifies the sequence for an edit template. If a user opens multiple Edit pages, then Siebel CRM uses the sequence number to identify each template. This property can contain only an integer. The starting value for the web template sequence is 0. If more than one template exists with the same type, then Siebel CRM uses the following sequence: ■ 0 ■ 1 ■ 2 ■ And so forth
Type **(R)**	Specifies the mode that Siebel CRM uses for this applet web template. You can use one of the following values: ■ **Base.** Displays the applet in standard read-only mode. ■ **Edit.** Modifies existing data in a record. Used with the EditRecord method. ■ **Edit List.** Displays a list applet in a mode where the chosen row or column is editable. You can use the Edit List mode instead of the BASE mode for a list applet. ■ **New.** Enters data into new records. Used with the NewRecord method. ■ **Query.** Displays the fields that Siebel CRM searches. Used with the NewQuery method.
Web Template **(R)**	Specifies the web template that Siebel CRM uses to display the applet.

Applet Web Template Item

An applet web template item maps a control or list column to a placeholder ID.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Applet Web Template > Applet Web Template Item

Table 17 describes properties that Siebel CRM uses with an applet web template item.

Table 17. Properties of the Applet Web Template Item

Property	Description
Column Span **(O)**	Specifies the width of an item in a grid form applet. This width contains cells. Each cell is 8 pixels wide and 8 pixels high. This property can contain an integer that is less than or equal to 120. You must not manually modify this property.
Column Span - Language Override **(O)**	Allows you to override the Column Span property if a language locale is active. It can contain an integer that is less than or equal to 120. You must not manually modify this property.
Control **(R)**	Specifies the name of the control or list column. For example: `Button Reorder`
Expression **(O)**	Specifies the condition in which Siebel CRM maps this item. For example: Not Siebel Sales
Grid Property **(R)**	Specifies the item type for a grid form applet. If you use the Grid Layout Editor, then Siebel Tools automatically sets this property. You can use one of the following values: ■ FormattedLabel ■ FormattedHtml
Item Identifier **(R)**	Specifies the ID of the `swe:control` tag. The Siebel Web Engine uses this property to associate a control with a position in a web template. To populate this property, you can drag and drop a control in the Web Applet Layout Editor.
Item Identifier - Language Override **(O)**	Specifies the language that Siebel CRM uses for the item identifier if this language is different from the language that the Siebel Business Application.

Table 17. Properties of the Applet Web Template Item

Property	Description
Mode **(O)**	Specifies to use the More/Less feature. It allows an applet to display a limited set of fields. If the user clicks More/Less, then Siebel CRM displays more fields. A combo box in the toolbar allows you to switch between modes when you edit a layout. You can use one of the following values: ■ **Less.** Siebel CRM enters Less in the Mode property for each control you create. ■ **More.** Siebel CRM enters More in the Mode property for each control you create.
Name **(R)**	Specifies the name of the item. Same as the control property.
Namespace - Language Override **(O)**	Not used.
Namespace **(O)**	Not used.
Row Span **(O)**	Specifies the height of an item in a grid form applet. This height contains cells. Each cell is 8 pixels wide and 8 pixels high. This property can contain an integer that is less than or equal to 100. You must not manually modify this property.
Row Span - Language Override **(O)**	Allows you to override the Row Span property if a language locale is active. It can contain an integer that is less than or equal to 100. You must not manually modify this property.
Type **(R)**	Specifies the type of the item. To view the values you can use, click the Type property in Siebel Tools.

Applet Web Template Item Locale

An applet web template item locale defines the language overrides that Siebel CRM uses with an applet web template item.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Applet Web Template > Applet Web Template Item > Applet Web Template Item Locale

Table 18 describes properties that Siebel CRM uses with an applet web template item locale.

Table 18. Properties of the Applet Web Template Item Locale

Property	Description
Column Span **(O)**	Allows you to modify the Column Span property if a language or locale is active. This property affects the Column Span Language Override property of an applet web template item.
Item Identifier **(O)**	Specifies the control ID that Siebel CRM maps to the control that the SWT file for a language identifies.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Namespace **(O)**	Not used.
Row Span **(O)**	Allows you to modify the Row Span property if a language or locale is active. This property affects the Row Span Language Override property of an applet web template item.

Chart

A chart displays graphical data in the boundaries of an applet.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Chart

Table 19 describes properties that Siebel CRM uses with a chart.

Table 19. Properties of the Chart

Property	Description
Bar Colors **(O)**	Specifies a list of colors for bars or pie slices in an itemized list of red, green, and blue triplets: ■ The first triplet specifies the color for the first series. ■ The second triplet specifies the color for the second series. ■ And so on. If the list contains more series members than triplets, then Siebel CRM repeats the list of colors. You can specify up to 15 triplets. Each number in a triplet must be between 0 and 255. For example, 128 0 0, 0 128 0, 0 0 128. The following value is the default value: `0 255 0,0 0 255,255 0 0,255 0 255,255 255 0,0 255 255,255 0 128,255 128 0,0 255 128,128 0 255,255 255 128,128 255 255,128 128 64,128 64 128,64 128 128`
Category Captions **(O)**	Specifies the caption for the x-axis.
Category Field **(R)**	For more information, see "Configuring the Category Field Property of a Chart" on page 53.
Compare **(O)(H)**	Obsolete. Do not use.
Data Function **(O)**	Specifies the operation that Siebel CRM performs on data. You can use one of the following values: ■ **COUNT.** Counts the number of records. ■ **SUM.** Sums field values for all records in the category. ■ **AVERAGE.** Calculates the average value for each record of the field. ■ **PLOT.** Plots all cell values. If a cell in the logical table does not contain a value, then Siebel CRM sets the chart value to NULL. If COUNT is the only data function you must apply to the chart because the Picklist Functions property is empty, then it is recommended that you do specify a value for the Data Point Field property value. This configuration can improve performance. For more information, see "Configuring the Data Function Property of a Chart" on page 54.
Data Point Captions **(O)**	Specifies the caption for the y-axis.

Table 19. Properties of the Chart

Property	Description
Data Point Field **(O)**	Specifies the field that contains the data that Siebel CRM plots on the y-axis. If you do not specify this property, then specify COUNT in the Data Function property. For more information, see "Configuring the Data Function Property of a Chart" on page 54.
Editable **(O)**	Obsolete. Do not use.
Invert **(O)**	You can use one of the following values: ■ **TRUE.** Invert the x-axis, z-axis, labels, and titles. This configuration can be useful to display a different view of the data. ■ **FALSE.** Do not invert the x-axis, z-axis, labels, and titles. Choosing a By picklist item modifies this property except in a time period chart where it modifies the time period on the x-axis.
Multi Data Point **(O)**	You can use one of the following values: ■ **TRUE.** Plot multiple line-graph curves on the same y-axis according to different source field and function combinations. Siebel CRM displays the name for each curve in the legend. You must also set the following properties in the chart object definition: ■ Data Point Field ■ Data Function ■ Picklist Functions ■ Multi Data Point ■ **FALSE.** Do not plot multiple curves.
Name **(R)**	Specifies the name of the chart.
Period **(O)**	Specifies a calendar period or a time period that the user defines as the default time period for this chart. To view the values you can choose, click the Period property in Siebel Tools. If you specify the Period property, then you must set the field type of the business component field that supplies the values for the chart categories to Date or DateTime. The user can define any time period that the Period business component contains, such as fiscal month, quarter, or year. To allow the user to define a time period in a chart, you must add the Period business component to the current business object.
Picklist Function Captions **(O)**	Specifies captions for the list of functions that the y-axis uses.

Table 19. Properties of the Chart

Property	Description
Picklist Functions **(O)**	Specifies the data functions that Siebel CRM lists in the Show picklist in the applet. To suppress a function in this picklist, do not specify a string in the position of this function. For more information, see "Configuring the Data Function Property of a Chart" on page 54. Siebel CRM does not specify a value for this property and does not display this picklist in the applet, by default. For example: `Number of Opportunities, Opportunity Revenue, Average Revenue.` Siebel CRM associates each item you enter with a data point field and data function in a corresponding position in the Data Point Field property and the Data Function property. It makes this association according to the order that you use when you enter the items in the Picklist Functions property.
Picklist Period Captions **(O)**	Specifies the captions that Siebel CRM displays for the list of date time periods that the x-axis uses.
Picklist Periods **(O)**	Specifies the time periods that Siebel CRM displays in a picklist in an applet. You enter a comma-separated list that does not include a space after the comma. For example: `Month(Calendar), Quarter (Calendar), Year(Calendar),Day,Week,Mont, Quarter,Year` If the Picklist Periods property is empty, then Siebel CRM does not display time periods in the picklist in the client. To allow the user to define a time period in a chart, you must add the Period business component to the current business object.
Picklist Type Captions **(O)**	Specifies the captions for the types of charts.

Table 19. Properties of the Chart

Property	Description
Picklist Types **(O)**	Specifies the chart types that Siebel CRM includes in the picklist in the applet. You enter a comma-separated list that does not include a space after the comma. For example: `2dBar,3dBar` If the Picklist Types property is empty, then Siebel CRM does not display chart types in the picklist in the client. To display a 2dScatter, 3dScatter, or Combo chart, you must use the Type property. You cannot use the Picklist Types property to display these chart types. For a list of chart types that you can specify, see the description for the Type property.
Selection Based **(O)**	You can use one of the following values: ■ **TRUE.** Chart only the currently active record that the business component contains. ■ **FALSE.** Chart all records that the business component contains.
Series Captions **(O)**	Specifies the caption for the z-axis.
Series Field **(O)**	Specifies the field that contains the data that Siebel CRM plots on the z-axis. If this property is empty, then it maps all of the records into a single series. For more information, "Configuring the Series Field Property of a Chart" on page 54.

Table 19. Properties of the Chart

Property	Description
Type **(O)**	Specifies the type of chart that Siebel CRM displays. You can use one of the following values: ■ 2dBar, 3dBar, 2dStackedBar, 3dStackedBar, 2dLine, 3dLine, Combo, 2dHorizBar, 3dHorizBar, 2dCube, 3dCube ■ 3dClusteredBar, 2dPie, 3dPie, 2dDoughnut ■ 2dScatter, 3dScatter, 2dSpline, 3dSpline To display a combo chart, you must specify a value in the Data Point Field property. Siebel CRM displays the Sum (Data Function) of this field on the y-axis and the Count for this field on the second y-axis. To display a 2dScatter chart or a 3dScatter chart, you must specify the Coordinates property for the axis label of the x-axis. For more information, see "Chart Element" on page 55.
Use Category MVGroup Data **(O)**	You can use one of the following values: ■ **TRUE.** If the category field is a multivalue group (MVG), then Siebel CRM gets the charting data from this field. If you set this property to TRUE, then you cannot use the following properties: ■ Data Function ■ Data Point Captions ■ Data Point Field ■ **FALSE.** Use the value listed in the business component.

Configuring the Category Field Property of a Chart

If the Category Field property contains:

- **The name of a business component field.** Siebel CRM gets the x-axis labels from this field. To display these field values, the By picklist allows the user to choose the x-axis or the z-axis.
- **A comma-separated list of field names.** Siebel CRM displays a list of fields in the By picklist in the client. The value that the user chooses determines the field that populates the x-axis. The first value in the comma-separated list is the default value. You must not use an empty space before or after a field name. If you specify a list of x-axis source fields, then you must not use the following properties of the chart element:
  - Coordinates
  - Display Format
  - Divisions
  - List Of Values
  - Sort Specification

- Text

These properties define the label for the x-axis. Siebel CRM can use these properties only for one x-axis field.

If Siebel CRM creates a new business component field that the chart references, and if it maps this field to a Calculated field in another business component through a multivalue link, and if a category field uses this new field for the chart, then the drilldown on the chart does not work correctly because the Calculated field cannot preserve the context.

Configuring the Series Field Property of a Chart

Configuration for the Series Field property of the chart is identical to configuration for the Category Field property except that the Series Field property applies to the z-axis instead of the x-axis. For more information, see "Configuring the Category Field Property of a Chart" on page 53.

Configuring the Data Function Property of a Chart

This topic describes how to configure the Data Function Property for a chart.

Configuring the Show Picklist to Display Field and Function Combinations

You can configure the Show picklist to display a list of field and function combinations. The item that the user chooses determines the values that Siebel CRM plots on the y-axis.

To configure the Show Picklist to display field and function combinations

1. Enter a comma-separated list in the following properties of the chart object:
   - Data Point Field
   - Data Function
   - Picklist Functions
2. Add the following list to the Data Function property. If the Data Function property is empty, or if the value that it contains is shorter than the value that the Picklist Functions property contains, then Siebel CRM uses this same list:

   ```
   Sum,Count,Average,Plot
   ```

Configuring Siebel CRM to Plot Multiple Line-Graph Curves on the Same Y-Axis

Siebel CRM can plot multiple line-graph curves on the same y-axis according to different source field and function combinations. It displays the name for each curve in the legend.

To configure Siebel CRM to plot multiple line-graph curves on the same y-axis

1. Modify the same properties that you modify in Step 1 on page 54. You also modify the following properties:
   - Category Field

- Multi Data Point

2 Make sure the Series Field property is empty.

3 In the Data Function property, enter the same comma-separated list that you add in Step 2 on page 54.

Configuring Siebel CRM to Display Two Line-graph Curves on Different Y-axes

You can configure Siebel CRM to plot one axis to the left of the graph and another axis to the right of the graph.

To configure Siebel CRM to display two line-graph curves on different y-axes

1 Specify two functions in the Data Function property of the chart object. Use a comma to separate these functions.

   The first function defines the left y-axis and the second function defines the right y-axis.

2 Specify two fields in the Data Point Field property.

Chart Element

A chart element specifies one of the static characteristics of a chart, including title, legend, labels, chart body, or axis.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Chart > Chart Element

Table 20 describes properties that Siebel CRM uses with a chart element. Each property applies to only some types of chart elements. For more information, see "Properties That Siebel CRM Uses for Different Types of Chart Elements" on page 63.

Table 20. Properties of the Chart Element

Property	Description
Axis Id **(O)**	Specifies the axis to which subsequent axis elements apply. Applies to the AxisLabel, AxisLineGrid, and AxisTitle elements. To view the values you can use, click the Axis Id property in Siebel Tools.
Color **(O)**	Specifies color for all elements. In particular, it specifies color for the following elements: ■ Sets the text color for elements that contain text. ■ Sets the fill color for the Plot element, chart element, and the HorizArea graphic. ■ Sets the line color for the Axis Line Grid element and the Line, Rectangle, Ellipse, and HorizLine graphics. The value you enter must use the following format: ■ A space-separated red, green, blue triplet with each value in the range 0 through 255.
Coordinates **(O)**	For more information, see "Configuring the Coordinates Property of a Chart Element" on page 61.
Display Format **(O)**	Specifies the format for the label of the AxisLabel element on the axis that the Axis Id property specifies. If this property: ■ **Includes a value.** Siebel CRM applies the format string that this property specifies. It applies this format to the axis label before it displays the label in the chart. ■ **Does not include a value.** Siebel CRM applies the default format for the Category, Series, or Data Point Field business component field that it uses for the x-axis, z-axis, or y-axis. You can use any format string that the Display Format accepts. For example: `0.##%`

Table 20. Properties of the Chart Element

Property	Description
Divisions **(O)**	Specifies the number of divisions for the axis that the Axis Id property specifies. Applies to the AxisLabel element. It applies to the y-axis. It applies differently for the following charts: ■ **Scatter chart.** Applies to the x-axis and the y-axis. ■ **Other charts.** If the field values are numbers, then it applies to the x-axis or z-axis. ■ **Histogram chart.** The axis that the Axis Id property specifies must display numeric data. If it does not, then Siebel CRM displays labels and does not bucket data. To support a histogram chart, you must also specify the Coordinates property. You can use any number greater than 0. If the Divisions property does not include a value, then Siebel CRM automatically calculates the number of divisions. For example, if the Divisions property includes the following value, then Siebel CRM draws five labels on the axis: 4 The Divisions property is required only for the x-axis and z-axis in a histogram chart.
Font Effect **(O)(H)**	Specifies format to apply to the font, such as StrikeThrough. Applies to the AxisLabel, AxisTitle, Legend, and Title elements. To view the values you can use, click the Font Effect property in Siebel Tools.
Font Name **(O)**	Specifies the font name that Siebel CRM uses for the element text. Applies to the Axis Label, Axis Title, and Title elements.
Font Size **(O)**	Specifies the font size that Siebel CRM uses for the element text. Applies to the Axis Label, Axis Title, and Title elements. Siebel CRM does the following: ■ If the chart is minimized, and if the screen resolution is 1024 by 768 or higher, then it applies this font size. ■ If the chart is maximized, then it uses a larger font. ■ If the screen resolution is lower, then it uses a smaller font.
Font Style **(O)(H)**	Specifies the font style that Siebel CRM uses for the element text, such as Bold. Applies to the AxisLabel, AxisTitle, Legend, and Title elements. To view the values you can use, click the Font Style property in Siebel Tools.

Table 20. Properties of the Chart Element

Property	Description
Graphic Type **(O)**	Specifies the type of graphic element that Siebel CRM draws. The Coordinates property specifies the graphic geometry. Applies to the Graphic element. To view the values you can use, click the Graphic Type property in Siebel Tools. If you set the Type property of the chart element to Graphic, then you must set the Graphic Type property.
Line Style **(O)**	Specifies the line style that Siebel CRM uses for a Graphic or AxisLineGrid element. Applies to the AxisLineGrid and Graphic elements. Siebel CRM applies this property only if the Line Width property is 0 or is empty. To view the values you can use, click the Line Style property in Siebel Tools.
Line Width **(O)**	Specifies the line thickness that Siebel CRM uses. Applies to the AxisLineGrid and Graphic elements. You can use any positive number. The default value is 0, which is a thin line.

Table 20. Properties of the Chart Element

Property	Description

List Of Values **(O)**	Specifies the list of possible values for the x-axis, y-axis, or z-axis that the Axis Id property specifies. Applies to the AxisLabel element. This property allows the user to specify values that Siebel CRM does not display, such as 0 or an empty value.
	
	If you apply this property to the y-axis, then Siebel CRM displays string values on the y-axis instead of numeric values.
	
	If you specify a list of values on the AxisLabel label for the X axis, then Siebel CRM displays every value that this list contains even if the returned value in the Y axis is 0 or empty. It displays these values on the X axis.
	
	By default, if the value is empty, then Siebel CRM uses only the corresponding field values that the current business component contains for a given axis.
	
	This property uses the following format:
	
	business_component,field_name,search_specification,sort_specification
	
	where:
	
	■ *business_component* identifies the name of the business component that the current business object references.
	
	■ *field_name* identifies the business component field that Siebel CRM uses to get the values that it displays.
	
	■ *search_specification* specifies the search specification that Siebel CRM uses on the business component.
	
	■ *sort_specification* specifies the sort specification that Siebel CRM uses on the business component.
	
	For example:
	
	`List Of Values,Value,Type = LEAD_QUALITY,Order By`
	
	For example:
	
	`Sales Cycle Def,Sales Cycle Stage,Sales Stage Order`

Log Base **(O)**	Specifies to use a logarithmic axis instead of a linear axis. Applies to the AxisLabel element. You can use any positive number. For example: ■ If the value of the LogBase property is 10, then the axis displays 1, 10, 100, 1000, 10000, and so on. ■ if the value of the LogBase property is 2, then the axis displays 1, 2, 4, 8, 16, 32, 64, and so on.

Table 20. Properties of the Chart Element

Property	Description
Name **(R)**	Specifies the name for the chart element. This name must be unique in the chart object.
Show Category Legend **(O)**	Specifies to display a legend for the axis that the Axis Id property specifies. Siebel CRM applies this property only to the x-axis and z-axis for the AxisLabel element. If the x-axis labels are long, or if a large number of labels exist, then the labels might overlap. You can use one of the following values: ■ **TRUE.** Display the entire x-axis group label on the x-axis. ■ **FALSE.** Do not display the entire x-axis group label on the x-axis. By default, if Siebel CRM displays more than one group on the x-axis legend, then it displays only the first three letters of each x-axis group.
Sort Specification **(O)**	Specifies the sort operation that Siebel CRM performs on the axis that the Axis Id property identifies. Applies to the x-axis, y-axis, or z-axis of the AxisLabel element. This property uses the following format: *order,field_name* where: ■ *order* is Ascending, Descending, or None. ■ *field_name* identifies the field that Siebel CRM sorts according to a column other than the category or series. For example, the following setting configures Siebel CRM to sort the Sales Stage Order field in ascending order: `Ascending,Sales Stage Order` For the y-axis, Siebel CRM sorts the x-axis labels according to y-axis numeric values. If you specify a sort specification for the y-axis, then you cannot specify a sort specification for the x-axis. If the List Of Values property contains a value, then Siebel CRM ignores the Sort Specification property.
Text **(O)**	Specifies the text that Siebel CRM displays for the AxisTitle, Legend, Title, or HorizLine element.

Table 20. Properties of the Chart Element

Property	Description
Type **(O)**	Specifies the type of chart element. Applies to all elements. To view the values you can use, click the Type property in Siebel Tools.
Vertical **(O)**	Specifies to display labels vertically on the x-axis. Applies to the AxisLabel element. Note the following: ■ If the x-axis contains less than five labels, then Siebel CRM ignores the Vertical property and displays all labels horizontally. ■ If a long label exists, then Siebel CRM moves the chart upward. ■ If the monitor is a low resolution, then space is limited. ■ Siebel CRM cannot display all fonts vertically. ■ The Vertical property does not apply to a Period chart. You can use one of the following values: ■ **TRUE.** Display the labels vertically. ■ **FALSE.** Display the labels horizontally.

Configuring the Coordinates Property of a Chart Element

The Coordinates property of a chart element specifies coordinates for the Graphic and AxisLabel elements. This property is required for the following items:

- Graphic elements
- X-axis labels in a scatter chart
- X-axis and z-axis labels in a histogram chart

Rectangle, Ellipse, and Line apply only to the scatter chart. HorizLine and HorizArea apply to all charts.

A histogram chart requires the following items:

- Coordinates for the axes that the user categorizes
- A value in the Divisions property.

The value you enter depends on the following type of element you specify:

- **AxisLabel.** You specify the minimum and maximum values for the Axis Id. You enter two numbers that specify the following coordinates:
  - Minimum value
  - Maximum value

  For example:

  ```
  0 1000000
  ```

  This example sets a range that includes 0 through 1 million.

- **Rectangle, Line, or Ellipse.** You enter four numbers that specify the following coordinates:
  - Left
  - Bottom
  - Top
  - Right

  For example:

  ```
  60 1000 80 3000
  ```

  This example sets the coordinates so that the left side of the element occurs at coordinate 60, the bottom at coordinate 1000, the top at coordinate 80, and the right side at coordinate 3000.
- **HorizArea.** You enter four numbers that specify the following coordinates:
  - minYaxisValue
  - maxYaxisValue

  ```
  20 50
  ```

  This example configures Siebel CRM to draw the horizontal area between y coordinate 20 and y coordinate 50.
- **HorizLine.** You enter one number that specifies the YaxisValue. For example:

  ```
  40000
  ```

  This example configures Siebel CRM to draw a horizontal line at a y coordinate of 40000.

Properties That Siebel CRM Uses for Different Types of Chart Elements

Table 21 describes the properties that Siebel CRM uses for different types of chart elements.

Table 21. Properties That Siebel CRM Uses for Different Types of Chart Elements

Type of Chart Element	Properties
Axis Label	Siebel CRM uses the following properties: ■ Axis Id ■ Color ■ Coordinates ■ Display Format ■ Divisions ■ Font Effect ■ Font Name ■ Font Size ■ Font Style ■ List Of Values ■ Log Base ■ Show Category Legend ■ Sort Specification ■ Vertical
Axis Line Grid	Siebel CRM uses the following properties: ■ Axis Id ■ Color ■ Line Style ■ Line Width You cannot configure the AxisLineGrid element.

Table 21. Properties That Siebel CRM Uses for Different Types of Chart Elements

Type of Chart Element	Properties
Axis Title	Siebel CRM uses the following properties: ■ Axis Id ■ Color ■ Font Effects ■ Font Name ■ Font Size ■ Font Style ■ Text
Graphic	Siebel CRM uses the following properties: ■ Color ■ Coordinates ■ Graphic Type ■ Line Style ■ Line Width ■ Text
Legend	Siebel CRM uses the following properties: ■ Color ■ Font Effect ■ Font Name ■ Font Size ■ Font Style You cannot configure the Font Name property or the Font Size property.

Table 21. Properties That Siebel CRM Uses for Different Types of Chart Elements

Type of Chart Element	Properties
Plot	Siebel CRM uses the following properties: ■ Color Siebel CRM release 7.x does not support the Plot chart element.
Title	Siebel CRM uses the following properties: ■ Color ■ Font Effect ■ Font Name ■ Font Size ■ Font Style ■ Text

Chart Element Locale

A chart defines language overrides that Siebel CRM uses with a chart element.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Chart > Chart Element > Chart Element Locale

Table 22 describes properties that Siebel CRM uses with a chart element locale.

Table 22. Properties of the Chart Element Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Text **(O)**	Specifies the name of the chart element that Siebel CRM displays in the client for a language.

Chart Locale

A chart locale defines language overrides that Siebel CRM uses with a chart.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Chart > Chart Locale

Table 23 describes properties that Siebel CRM uses with a chart locale.

Table 23. Properties of the Chart Locale

Property	Description
Category Captions **(O)**	Specifies the caption for the x-axis for a language.
Data Point Captions **(O)**	Specifies the caption for the y-axis for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Picklist Function Captions **(O)**	Specifies the captions for the list of functions that Siebel CRM displays for the y-axis label for a language.
Picklist Period Captions **(O)**	Specifies the captions for the list of time periods that Siebel CRM displays for the x-axis label for a language.
Picklist Type Captions **(O)**	Specifies the captions for the types of charts for a language.
Series Captions **(O)**	Specifies the caption for the z-axis for a language.

Control

A control defines an element in an applet, such as a text box, check box, or button. You can add user properties to a control.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Control

Table 24 describes properties for the control object. For more information about controls, see the topic on field data types in *Configuring Siebel Business Applications*. For information about user properties, see *Siebel Developer's Reference.*

Table 24. Properties of the Control

Property	Description
ActiveX Bind Property **(O)(H)**	Specifies the name of a property of an ActiveX control. To bind a field to an ActiveX control, you must also specify the name of this field in the Field property of this control object. This field must reside in the business component that the applet references. Siebel CRM does the following: ■ If Siebel CRM modifies the property value of the ActiveX control, then it saves this value in this field in the current business component record. ■ If Siebel CRM modifies the field value, then it saves this value in the property of the ActiveX control. This property applies to an ActiveX control.
ActiveX Properties **(O)(H)**	Includes a compressed version of the ActiveX properties for this control. You do not edit this property. Siebel CRM automatically sets the value that this property contains. To determine this value, it uses values of the ActiveX properties in the Properties window or values of the properties in the property window for the control. This property applies to an ActiveX control.
Automatic Horizontal Scroll **(O)(H)**	Enables automatic horizontal scroll. If set to TRUE, and if: ■ The user types a character at the end of the line, then Siebel CRM automatically scrolls text to the right by ten characters. ■ The user presses Enter, then Siebel CRM automatically scrolls all text back to position 0. This property applies only to a TextBox control.
Automatic Vertical Scroll **(O)(H)**	Enables automatic vertical scroll. If set to TRUE, and if the user presses the ENTER key on the last line, then Siebel CRM automatically scrolls text up one page. This property applies only to a TextBox control.

Table 24. Properties of the Control

Property	Description
Background Color **(O)(H)**	Specifies a space-separated RGB (red, green, blue) value. You can set the value of the Background Color property to for a Label, Image, or PushButton control to one of the following values: ■ **Transparent.** Makes the control transparent. ■ **A value other than Transparent.** Makes these controls opaque. Siebel CRM only sets the area under the caption to the color that the Background Color property specifies for a Group control. This property applies to the following types of controls: ■ Textbox ■ Label ■ PushButton ■ ComboBox ■ Group
Bitmap **(O)(H)**	Specifies a bitmap from the Control Icons bitmap category that Siebel CRM uses for the image control. This value applies to static image controls that do not reference a field in the current record. This property applies to an Image control.
Caption **(O)**	Specifies headers for list applet columns, field prompts, and link names. You can set this property to a bitmap that resides in the Button Icons bitmap category. For a list applet, Siebel CRM uses the value that the Caption control property contains in the following ways: ■ To create the sortable list header. The ListHeader property of the `swe:control` tag determines this header. ■ To determine a field prompt. The DisplayName property of the `swe:control` tag determines this prompt. If a control calls a method, then Siebel CRM uses the value in the Caption property as the link name or button label. The FormattedHtml property of the `swe:control` tag determines this name or label.
Class **(O)**	Specifies the name of the C++ class that this control references. This property applies only to a Java control or an ActiveX control.

Table 24. Properties of the Control

Property	Description
Content Fixup Name **(O)**	Specifies a name that determines how Siebel CRM fixes links and images in the HTML page: ■ The Siebel Server for a Siebel Business Application. Siebel CRM fixes links and images. ■ The client browser fixes links and images. For more information, see *Siebel Portal Framework Guide*.
Default Button **(O)(H)**	Not used. This property applies only to a PushButton control.
Detail Applet **(O)**	Specifies the name of the pop-up applet that Siebel CRM uses to display data from fields in the business component. This property applies only to a TextBox control or a PushButton control.
Display Format **(O)**	Specifies the format that Siebel CRM uses to display data for this control. This property applies only to a TextBox control.
Field **(O)**	Specifies the business component field or applet message that provides the data that this control displays. This property applies to the following types of controls: ■ TextBox ■ CheckBox ■ ImageControl
Field Retrieval Type **(O)**	Specifies the type of field data. You can use one of the following values: ■ **Field Data.** Rich content HTML. ■ **Service.** ■ **Symbolic URL.** Specially constructed URL that integrates data from the Siebel database and the external content service. ■ **URL.** Standard reference to a Web page. ■ **Empty.** Siebel CRM encloses the field value with a `SPAN` tag. ■ **HTML Attachment.** Obsolete. Do not use.
Field Type **(O)**	Specifies to display data from a business component field or an applet message. Siebel Tools automatically sets this property when you set the Field property.

Table 24. Properties of the Control

Property	Description
Foreground Color **(O)(H)**	Specifies an RGB value. You use an empty space to separate each number in this value. This property applies to the following types of controls: ■ Textbox ■ Label ■ PushButton ■ CheckBox ■ ComboBox ■ Group
Group **(O)(H)**	Not used.
Height - Language Override **(O)(H)**	Specifies the height of the control in pixels if a language or locale is active.
Height **(O)(H)**	Specifies the height of the control in pixels. You can set this property to a number that is greater than or equal to 0. The default value is 10. This property applies to all controls.
HTML Attributes **(O)**	Specifies to add HTML tag attributes to the HTML tags that the Standard Interactivity client creates when it displays the control. For example, If you set the HTML Attributes property to `size=30` for a text box, then the client creates the following tag: `<input type = text size=30 . . .>`
HTML Bitmap **(O)**	Specifies a Bitmap object that resides in the HTML Control Icons bitmap category. If the HTML Disabled Bitmap property is: ■ **Empty.** Siebel CRM uses the image that the HTML Bitmap property references. ■ **Not empty.** Siebel CRM uses the image that the HTML Bitmap property references only if the control is in an enabled state.
HTML Default Control **(O)(H)**	Not used.
HTML Disabled Bitmap **(O)**	Specifies the image to use instead of the image that the HTML Bitmap property references if the control is in a disabled state.

Table 24. Properties of the Control

Property	Description
HTML Display Mode **(O)**	Specifies how to display the field value. To support an applet message, you must set this property to FormatData. This configuration allows Siebel CRM to use newlines and spaces in the applet message. You can use one of the following values: ■ **EncodeData**. Siebel CRM encodes any HTML reserved characters that the field value contains before it displays these characters. Each of the following symbols is an example of an HTML reserved character: ■ < (less than symbol) ■ > (greater than symbol) ■ & (ampersand) ■ and so on It is recommended that you set the HTML Display Mode to EncodeData for security purposes. For more information about setting this property, see *Siebel Security Hardening Guide*. ■ **FormatData**. Siebel CRM formats text that the user enters. For example, assume the user enters text that includes new lines and tabs in the description field of a service request. Assume you set the HTML Display Mode property to one of the following values: ■ **FormatData.** Siebel CRM formats the text that the user enters in HTML so that it uses the same format that the user enters. ■ **Not set to FormatData.** Siebel CRM does not format the text that the user enters. It displays the entire text string that the user enters on one line.

Table 24. Properties of the Control

Property	Description
HTML Height **(O)**	Specifies the height of the control in pixels. You typically do not modify this property manually. Siebel Tools sets it automatically if you edit an applet layout in a Siebel Tools layout editor. If you use a TextArea field that spans multiple fields, then to accommodate the buffer between the fields of a grid form, it might be necessary for you to add 2 pixels for each row. For example, consider the TextArea field that the Description control of the Service Request Detail Applet references. This field spans three rows of single-row fields. To align the bottom of this field with other fields, such as Home Phone#, you must increase the value in the HTML Height property an additional 2 pixels for every row of fields that the TextArea field spans, not including the first row. In this situation, the Description control spans three rows of fields. You increase the HTML Height property to 2 rows multiplied by 2 pixels for a total of 4 pixels. You modify the original HTML Height of 72 pixels to 76 pixels. This property applies to the following types of controls: ■ Java applet ■ ActiveX ■ Input type controls
HTML Height - Language Override **(O)**	Specifies the height of the control in pixels if a language or locale is active.
HTML Icon Map **(O)**	Specifies to map field values to icons as defined in the icon map.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control. This property applies only if the parent applet is in Base mode or if the control is read-only. It does not limit the number of characters that the user can enter into a text control in edit mode.
HTML Max Chars Displayed - Language Override **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control if a language or locale is active.
HTML Only **(O)**	Specifies to use the control only in the Siebel Web Client. You can use one of the following values: ■ **TRUE.** Use this control only in the Siebel Web Client. ■ **FALSE.** Use this control in any client.

Table 24. Properties of the Control

Property	Description
HTML Row Sensitive **(O)**	Specifies to position the applet. You can use one of the following values: ■ **TRUE.** Position the applet on the current record before calling the method that the Method Invoked property references. ■ **FALSE.** Do not position the applet. The following methods are examples that require you to set the HTML Row Sensitive property to TRUE: ■ EditRecord ■ DeleteRecord ■ Drilldown
HTML Sequence **(O)**	Specifies the order that Siebel CRM uses to position this control relative to other controls that it displays in the applet in the Siebel Web Client.
HTML Sequence - Language Override **(O)**	Specifies the HTML sequence if a language or locale is active.
HTML Type **(O)**	Specifies how to display the control. If the HTML Type property is empty, then Siebel CRM uses the Type property. If your configuration requires an applet message, then you must set this property to Plain Text so that Siebel CRM wraps long text in the applet message.
HTML Width **(O)**	Specifies the width of the control in pixels in the Siebel Web Client. The maximum value is 2048. This property applies to the following types of controls: ■ Java applet ■ ActiveX ■ Input type controls
HTML Width - Language Override **(O)**	Specifies the HTML width if a language or locale is active.
Left - Language Override **(O)(H)**	Specifies the left coordinate of a control if a language or locale is active.
Left **(O)(H)**	Specifies the left coordinate of this control in pixels. This property applies to all controls. You can enter a number that is greater than or equal to 0.
Left Text **(O)(H)**	If this property is TRUE, then Siebel CRM places text on the left side of the control. This property applies only to a CheckBox control.

Table 24. Properties of the Control

Property	Description
MethodInvoked **(O)**	Specifies the method that Siebel CRM calls if the user clicks a button control. If the control type is not PushButton, then Siebel CRM ignores this property. The method that is available for a button control depends on the class that the applet references and the class that the business component references. The following methods are available for the CSSFrameList applet class and the CSSFrame applet class: ■ NewRecord ■ DeleteRecord ■ CopyRecord ■ UndoRecord You must use other methods only with caution. For more information, see "Configuring the MethodInvoked Property of a Control" on page 79 and *Siebel Developer's Reference*. This property applies only to a PushButton control.

Table 24. Properties of the Control

Property	Description
Multi Line **(O)(H)**	Specifies a multiple-line TextBox control. You can use one of the following values: ■ **TRUE.** Allows a multiple-line TextBox. ■ **FALSE.** Does not allow a multiple-line TextBox. Scrolling depends on the following value of the Automatic Vertical Scroll style: ■ **TRUE.** Siebel CRM displays the control for as many lines as possible. If the user presses Enter, then it scrolls vertically. ■ **FALSE.** Siebel CRM displays the control for as many lines as possible. If it cannot display any more lines, and if the user presses the Enter key, then it beeps. If the Automatic Horizontal Scroll style is TRUE, and if the cursor goes past the right edge of the control, then multiple-line control automatically scrolls horizontally. To start a new line, the user must press the ENTER key. If Automatic Horizontal Scroll is FALSE, then Siebel CRM automatically wraps the control words to the beginning of the next line, if necessary. If the user presses the ENTER key, then Siebel CRM starts a new line. The window size determines the text position. If the user modifies the window size, then Siebel CRM displays the text again. If a TextBox control: ■ **Includes scroll bars.** It processes its own scroll bar messages. ■ **Does not include scroll bars.** It processes any scroll messages that the parent window sends. The default value is single line. This property applies only to a TextBox control.
MVG Applet **(O)**	Specifies the applet that Siebel CRM uses for a pop-up multivalue group if the field that the control references is a multivalue field and if the Runtime property of this control is TRUE. This property applies only to a TextBox control.
Name **(R)**	Specifies the name of the control. This property applies to all controls.
Owner Draw **(O)(H)**	If TRUE, then Siebel CRM displays the bitmap that the Caption property references. It displays this bitmap on the button. This property applies only to a PushButton control.

Table 24. Properties of the Control

Property	Description
Pick Applet **(O)**	Specifies the applet that Siebel CRM uses for the pop-up picklist if you specify a picklist for the field that the control references and if the Runtime property of this control is TRUE. This property applies only to a TextBox control.
Prompt **(O)**	Not used. This property applies only to a TextBox control.
Prompt Text **(O)**	For more information, see "Configuring the Prompt Text Property of a Control or List Column" on page 80.
Read Only **(O)**	You can use one of the following values: ■ **TRUE.** The user cannot edit the control. ■ **FALSE.** The user can edit the control. If the Read Only property of the field that this control references is TRUE, then this control is also read-only even if the Read Only property of this control is FALSE. This property applies only to a TextBox control.
Runtime **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays a pop-up button for a picklist, calculator, calendar, or multivalue group at run time. ■ **FALSE.** Siebel CRM does not display a pop-up button. This property applies only to a TextBox control.
Sequence - Language Override **(O)(H)**	Specifies the order that Siebel CRM uses to display this control relative to other controls in the applet if a language or locale is active.
Sequence **(O)(H)**	Specifies the order that Siebel CRM uses to display this control relative to other controls in the applet. You can use a number that is greater than or equal to 1. This property applies to all controls.

Table 24. Properties of the Control

Property	Description
Show Popup **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM opens a new browser window before it calls the method. ■ **FALSE.** Siebel CRM calls the method in the current browser window. You must not set the Show Popup property to TRUE in the following situations: ■ A script uses the GotoView application object method. ■ Siebel CRM uses TheApplication.GotoView. In this situation, it opens the view in a new browser window. The client does not support Multiple Document Interface (MDI). Siebel CRM does not support this configuration.
Sort **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM automatically sorts strings that the user enters in the control. ■ **FALSE.** Siebel CRM does not automatically sort strings that the user enters in the control. This property applies only to a ComboBox control.
Tab Stop **(O)(H)**	You can use one of the following values: ■ **TRUE.** Allow the user to use the TAB key to navigate to the next control that the Sequence property specifies. ■ **FALSE.** Do not allow the user to use the TAB key. This property applies to all controls.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame if the user clicks a control that calls a method. You can use one of the following values: ■ **Self.** Open the frame that contains the applet control. ■ **Blank.** Open a new full feature window. ■ **Others.** Open some other frame. This property applies to a Siebel Web Client control.
Text Alignment **(O)**	Specifies how to align the text in the control. To view the values you can use, click the Text Alignment property in Siebel Tools. This property applies only to a TextBox control or a Label control.

Table 24. Properties of the Control

Property	Description
Text Alignment - Language Override **(O)**	Specifies how to align the text in the control if a language or locale is active. For more information, see the description for the Text-Alignment Label property.
Text Alignment-Label - Language Override **(O)**	Specifies how to align the text of a control label on a form applet if a language or locale is active. This alignment occurs automatically for a locale that the user reads from right to left, such as Japanese.
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses to display this control. The Text Style object type determines the font type and font style. For more information, see "Text Style (H)" on page 273. This property applies to the following types of controls: ■ CheckBox ■ ComboBox ■ Group ■ Label ■ PushButton ■ TextBox
Text-Alignment Label **(O)**	Specifies how to align the text of a control label on a form applet. To view the values you can use, click the Text-Alignment Label property in Siebel Tools. For example, a field and a field label in a grid form applet are separate applet web template items that each reference the same control. To place a label to the left of a field, you do the following: ■ Set the Text-Alignment Label property for the control that includes the label text to Right. ■ Set the Text-Alignment Label property for the control that includes the field text to Left.
Tooltip Text **(O)(H)**	Obsolete. Do not use. This property applies to a Button control.
Top - Language Override **(O)(H)**	Specifies the order that Siebel CRM uses to display controls if a language or locale is active.
Top **(O)(H)**	Specifies the top coordinate of this control in pixels. The top coordinate of the applet is 0. You can specify a number that is greater than or equal to 0. This property applies to all controls.
Type **(O)(H)**	Specifies the control type. To view the values you can use, click the Type property in Siebel Tools. This property applies to all controls.

Table 24. Properties of the Control

Property	Description
Vertical Scroll **(O)(H)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays a vertical scroll bar in the control. ■ **FALSE.** Siebel CRM does not display a vertical scroll bar in the control. This property applies only to a ComboBox control or a TextBox control.
Visible **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays the control in the client. ■ **FALSE.** Siebel CRM does not display the control in the client. This property applies to all controls.
Visible - Language Override **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays the control in the client if it uses the language that you specify as the language override. ■ **FALSE.** Siebel CRM does not display the control in the client.
Want Return **(O)(H)**	If the user presses the ENTER key in a multiple-line TextBox control, and if the Want Return property is: ■ **TRUE.** Siebel CRM inserts a carriage return. ■ **FALSE.** Siebel CRM performs the same logic it performs if the user clicks the default pushbutton for the applet. This property applies only to a multiple-line TextBox control. It has no effect on a single-line TextBox control.
Width - Language Override **(O)(H)**	Specifies the order of controls if a language or locale is active.
Width **(O)(H)**	Specifies the width of the control in pixels. You can specify a number that is greater than or equal to 0. The default value is 40. This property applies to all controls.

Configuring the MethodInvoked Property of a Control

Siebel CRM does the following in an HTML client according to the value of the MethodInvoked property if the client runs in High Interactivity (HI) mode:

1. The user clicks a button.
2. The MethodName property of control that this button references control calls an InvokeMethod call in the browser applet class. This class runs in the HTML browser.
3. A Browser Script on the applet includes a PreInvokeMethod handler that intercepts the method and handles the PreInvokeMethod event.

4 If Siebel CRM does not handle the InvokeMethod call in the:

- **Browser applet class.** It does an InvokeMethod call in the server applet class. The client applet class uses this method to call the server applet unless a specialized client applet exists that handles this method in the client. To handle this method, you can use a WebApplet_PreInvokeMethod script in Siebel VB or Siebel eScript.
- **Server applet class.** It forwards the call to the business component that the applet references. This business component resides on the server. To handle this method, you can use a BusComp_PreInvokeMethod script in Siebel VB or Siebel eScript.

5 If Siebel CRM does not handle the InvokeMethod on the business component that resides on the server, then it returns an error.

Configuring the Prompt Text Property of a Control or List Column

The Prompt Text Property specifies the text that Siebel CRM displays in the status bar of the Browser that displays the client. This property applies only to a form applet or list applet. The Prompt Text field can include a maximum of 250 characters. This maximum value exceeds the space that is available for this text in the Browser status bar. This status bar can display only approximately 127 characters in Internet Explorer version 7.0.

Control Locale

A control locale defines language overrides that Siebel CRM uses with a control.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Control > Control Locale

Table 25 describes properties that Siebel CRM uses with a control locale.

Table 25. Properties of the Control Locale

Property	Description
Caption **(O)**	Specifies the as headers for list applets columns, field prompts, and link names.
Height **(O)(H)**	Specifies the height of the control in pixels.
HTML Height **(O)**	Specifies the height of the control in pixels.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control.
HTML Sequence **(O)**	Specifies the order that Siebel CRM uses to The (order) position of this control relative to other controls in the applet in the Siebel Web Client. Indicates tab sequence.
HTML Width **(O)**	Specifies the width of the control in pixels in the Siebel Web Client.
Left **(O)(H)**	Specifies the left coordinate of this control in pixels.

Table 25. Properties of the Control Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Prompt Text **(O)**	For more information, see "Configuring the Prompt Text Property of a Control or List Column" on page 80.
Sequence **(O)(H)**	Specifies the order that Siebel CRM uses to Sets the (order) position of this control relative to other controls in the applet.
Text Alignment **(O)**	Specifies how to align text in the control. You can use one of the following values: ■ Left ■ Center ■ Right
Text-Alignment Label **(O)**	Specifies the Text-Alignment Label property if a language or locale is active. Siebel CRM associates this property with the Text Alignment Label Language Override property of a control.
Tooltip Text **(O)**	Obsolete. Do not use.
Top **(O)(H)**	Specifies the top coordinate of this control in pixels. The top coordinate of the applet is 0. You can specify a number that is greater than or equal to 0.
Visible **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays the control in the client. ■ **FALSE.** Siebel CRM does not display the control in the client.
Width **(O)(H)**	Specifies the width of the control in pixels. You can specify a number that is greater than or equal to 0.

Control User Prop

A control user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File. For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Control > Control User Prop

Table 26 describes properties that Siebel CRM uses with a control user prop.

Table 26. Properties of the Control User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Drilldown Object

A drilldown object allows the user to drill down on a field in a list applet and navigate to another view where Siebel CRM displays more data about the field. To identify a drilldown field in a list, Siebel CRM uses colored, underlined text. For more information about how to configure drilldown on a form applet in Siebel Open UI, see Article ID 539183.1 on My Oracle Support.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Drilldown Object

Table 27 describes properties that Siebel CRM uses with a drilldown object.

Table 27. Properties of the Drilldown Object

Property	Description
Business Component **(O)**	Specifies the destination business component. If this property is empty, then Siebel CRM uses the same business component for the destination business component that it uses for the source business component, although it typically modifies the view. If the destination view must display the same active business components in the same context, and if you do not require Siebel CRM to modify the current query context, then do not specify a value in any of the following properties for this drilldown object: ■ Business Component ■ Destination Field ■ Source Field
Destination Field **(O)**	Specifies field in the destination business component. The value that this field contains equals the value that the source field contains in the source business component. If you do not specify a business component, then do not specify a value in the Destination Field property. If the Destination Field property is empty, then it defaults to Id, which is the row ID of the destination business component.

Table 27. Properties of the Drilldown Object

Property	Description
Hyperlink Field **(O)**	Specifies a business component field that the applet references that Siebel CRM uses for the drilldown. This property also determines the field in the list column in the list applet that is blue and underlined. You must enter a value in the Hyperlink Field property. If you do not enter a value, then Siebel CRM does not display a link that the user can click to drill down.
Menu Text **(O)**	Not used.
Name **(R)**	Specifies the name of the drilldown object. This name must be unique among drilldown objects in the applet.
Sequence **(O)**	Specifies a sequence number that Siebel CRM uses in a dynamic drilldown. This number determines the default drilldown object.
Source Field **(O)**	Specifies a business component field that the applet references. This field is the source of the drilldown. Siebel CRM applies the value that this field contains as a search specification to the destination field in the destination business component. Because the user navigates from one view to another view, a new active business component occurs. The following properties establish a relationship from a record in the source business component to the appropriate record or set of records in the destination business component: ■ Source Field ■ Business Component ■ Destination Field If you do not specify a value in the Business Component property for this drilldown object, then do not specify a value in the Source Field property. If the Source Field property is empty, then Siebel CRM drills down to the same row in the destination business component.

Table 27. Properties of the Drilldown Object

Property	Description
View **(O)**	Specifies the view that Siebel CRM displays if the user drills down. If the View property is empty, then: ■ Siebel CRM continues to display the current view. For example, if the user drills down from an account to a subaccount. ■ You must specify a value in the Business Component property.
Visibility Type **(O)**	Specifies a visibility type that is different than the default visibility for the destination business component. To view the values you can use, click the Visibility Type property in Siebel Tools. You typically set this value to All. This value makes sure that Siebel CRM can display the destination record.

Drilldown Object Locale

A drilldown object locale defines language overrides that Siebel CRM uses with a drilldown object.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Drilldown Object > Drilldown Object Locale

Table 28 describes properties that Siebel CRM uses with a drilldown object locale.

Table 28. Properties of the Drilldown Object Locale

Property	Description
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the right-click shortcut menu for a row for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

List

A list contains information for list applets. For a list applet, there must be one and only one list object definition. If the applet is not a list applet, then there are no list object definitions.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > List

Table 29 describes properties that Siebel CRM uses with a list.

Table 29. Properties of the List

Property	Description
Alpha Tab Search Field **(O)(H)**	Specifies the name of the business component field that Siebel CRM uses when it does an alpha tab search. If this property includes a value, then Siebel CRM displays an alphabet tab search bar in the list applet.
Alpha Tab Search Field - Language Override **(O)(H)**	Specifies the alpha tab search field if a language or locale is active.
HTML Hierarchy Bitmap **(O)**	Specifies the name of the HTML hierarchy bitmap. For more information, see "HTML Hierarchy Bitmap" on page 198.
HTML Multi Row Edit **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM can edit multiple rows without saving each row while in the Edit List mode of the applet. ■ **FALSE.** Siebel CRM must save each row to the Siebel database before it edits another row.
HTML Multi Row Select **(O)**	You can use one of the following values: ■ **TRUE.** The user can choose multiple rows in an applet. ■ **FALSE.** The user cannot choose multiple rows in an applet.
Name **(R)**	Specifies the name in the applet. This value is List.
Total Displayed **(O)**	Not used.
Total Required **(O)**	If TRUE, then Siebel CRM sums and displays at the bottom of the list the columns whose Total Required property is TRUE. Siebel CRM uses this property only if the applet is a list applet.
Variable Row Height **(O)(H)**	If TRUE, then the list applet supports variable row heights. For example, Notes. A variable row displays the first three lines by default. To display the entire line, the user must set the Text Lines Per Note Row in the List tab of the Options window to 3.

List Column

A list column associates one list column to a list applet. You can add user properties to a list column. For more information about controls, see the topic about field data types in *Configuring Siebel Business Applications*. For information about user properties, see *Siebel Developer's Reference.*

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > List > List Column

Table 30 describes properties that Siebel CRM uses with a list column.

Table 30. Properties of the List Column

Property	Description
Available **(O)**	If FALSE, then Siebel CRM does not display the list column in the list or in the Columns Displayed dialogue box. For more information, see the description of the Show In List property for this list column.
Available - Language Override **(O)**	Specifies to use this column with a list applet if a language or locale is active.
Bitmap Column Heading **(O)(H)**	You can use one of the following values: ■ **TRUE.** Display the bitmap specified in the Check Bitmap Identifier property as the list column heading. ■ **FALSE.** Display the normal name and display name in the list column heading. You can use this property only in a Boolean list column that specifies a value for the Check Bitmap Identifier property.
Check Bitmap Identifier **(O)(H)**	Specifies the bitmap that Siebel CRM displays in the TRUE state if this list column is a CheckBox list column.
Content Fixup Name **(O)**	Specifies to use the Siebel Server or the client browser to do fixup. This fixup allows Siebel CRM to display links and images in the HTML page. For more information, see *Siebel Portal Framework Guide*.
Detail Applet **(O)**	Specifies the applet that Siebel CRM uses to display related data for the field that the list column from the same business component specifies.
Display Format **(O)**	Specifies the format mask that Siebel CRM applies to the data. For example: `$#,###,###,###`
Display Name **(O)**	Specifies the value that Siebel CRM uses as the list column heading or the key to the international message table. For example: `Expected Value`
Field **(O)**	Specifies the field that provides the data that the list column displays. For example: `Amount Expected Value`
Field Retrieval Type **(O)**	Specifies that the field data is one of the following: ■ Rich content HTML data (Field Data) ■ A predefined reference to a Web page (URL) ■ A specially created URL that integrates data from the Siebel database and the external content service (Symbolic URL)

Table 30. Properties of the List Column

Property	Description
HTML Attribute **(O)**	Specifies to add HTML tag attributes to the HTML tags that the Standard Interactivity client creates to display the list column.
HTML Display Mode **(O)**	Specifies the display mode that Siebel CRM uses with a control that displays a field value. You can use one of the following values: ■ **EncodeData.** Encode any reserved characters in the markup language that exist in the field data so that it displays correctly. ■ **FormatData.** Encode any reserved characters in the markup language that exist in the field data so that it displays correctly. Format the field value using the markup language using the same format that the Siebel database uses. For example, if HTML is the markup language, then do the following: ■ Replace a newline with a br tag. ■ Replace contiguous white space with .
HTML Height **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client.
HTML Height - Language Override **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client if a language or locale is active.
HTML Icon Map **(O)**	Specifies to map field values to icons that the icon map defines. For example: `CHECK`
HTML List Edit **(O)**	You can use one of the following values: **TRUE.** If the applet displays in the Edit List mode, then display this control as a data input control. **FALSE.** Display this control as a read-only control.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column. This property applies only if the parent applet is in Base mode, or if the list column is read only. It does not limit the number of characters that the user can enter in a text control in edit mode.
HTML Max Chars Displayed - Language Override **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column if a language or locale is active.
HTML Only **(O)**	If TRUE, then Siebel CRM uses the control only in the Siebel Web Client.

Table 30. Properties of the List Column

Property	Description
HTML Row Sensitive **(O)**	Specifies to position the applet on the current record before calling the method that the Method Invoked property specifies. The following methods are examples that require you to set the HTML Row Sensitive property TRUE: ■ EditRecord ■ DeleteRecord ■ Drilldown
HTML Sequence **(O)**	Specifies the position of this list column relative to other list columns that Siebel CRM displays in the applet in the Siebel Web Client.
HTML Sequence - Language Override **(O)**	Specifies the position of this list column relative to other list columns that Siebel CRM displays in the applet in the Siebel Web Client if a language or locale is active.
HTML Type **(O)**	Specifies how to display the list column. If this property is empty, then Siebel CRM uses the value that the Type property specifies.
HTML Width **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client. The maximum value is 2048.
HTML Width - Language Override **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client if a language or locale is active.
MVG Applet **(O)**	Specifies the applet that Siebel CRM uses to display the pop-up multivalue group if the properties of this list column are set as follows: ■ The Field property references a multivalue field. ■ The Runtime property is TRUE.
Name **(R)**	Specifies the name of this list column.
Pick Applet **(O)**	Specifies the applet that Siebel CRM uses to display the pop-up picklist if the properties of this list column are set as follows: ■ The Field property references a multivalue field. ■ The Runtime property is TRUE. If this list column references a field that contains a static picklist, then Siebel CRM ignores this property. The only exception to this configuration occurs if the Long List property of this picklist is TRUE.
Popup Edit **(O)(H)**	If TRUE, then a text field uses a pop-up edit box.
Prompt Text **(O)**	For more information, see "Configuring the Prompt Text Property of a Control or List Column" on page 80.

Table 30. Properties of the List Column

Property	Description
Read Only **(O)**	If TRUE, then the user cannot edit data. If the Read Only property of the field that the Field property of this list column references is TRUE, then this list column is read-only even if the Read Only property of this list column is FALSE.
Runtime **(O)**	You can use one of the following values: ■ **TRUE.** Display a pop-up button at run time for a picklist, calculator, calendar, or multivalue group. ■ **FALSE.** Do not display a pop-up button at run time. Siebel CRM assumes there is no picklist or multivalue group or that the field is a date or time field.
Sequence **(R)(H)**	Specifies the position of this list column in the list. This property can contain only an integer. For more information, see "Configuring the Sequence Property of a List Column to Import Records" on page 90.
Sequence - Language Override **(O)(H)**	Specifies the position of this list column in the list if a language or locale is active. This property can contain only an integer.
Show In List **(O)**	If TRUE, then Siebel CRM displays this list column in a list. If the Show In List property is FALSE, and if the Available property of this list column is TRUE, then Siebel CRM does not display list column in the applet unless the user chooses it from the Columns Displayed window.
Show In List - Language Override **(O)**	Specifies the list column that Siebel CRM displays in a list if a language or locale is active.
Show Popup **(O)**	You can use one of the following values: ■ **TRUE.** Open a new browser window before calling the method. ■ **FALSE.** Call the method in the same browser window.
Text Alignment **(O)**	Specifies the text alignment of this list column.
Text Alignment - Language Override **(O)**	Specifies the text alignment of the list column if a language locale is active. You can use one of the following values: ■ Center ■ Left ■ Right
Text-Alignment Label **(O)**	Specifies to align the text of the list column label on a list applet.

Table 30. Properties of the List Column

Property	Description
Text Alignment-Label - Language Override **(O)**	Specifies the Text-Alignment Label property for a list column if a language or locale is active. Siebel CRM applies this configuration automatically for a locale that reads right-to-left, such as Japanese. You can use one of the following values: ■ Center ■ Left ■ Right
Total Currency Code Expression **(O)**	Specifies the currency that Siebel CRM uses to display the total value. You can use this property to display the list column total in a converted currency. For example, assume an opportunity that uses dollars as the currency code includes two products. One product is priced with YEN and the other product is priced in USD. To display the list total in these currencies, you set the Total Currency Code Expression to the following value: `Parent: 'Opportunity.Currency Code'`
Total Required **(O)**	You can use one of the following values: ■ **TRUE.** Create a total value of all the values that this list column displays. You must also set the Total Required property of the list object definition to TRUE. ■ **FALSE.** Do not create a total value.
Type **(O)(H)**	Specifies the list column type.
Width **(O)(H)**	Specifies the list column width.
Width - Language Override **(O)(H)**	Specifies the list column width if a language or locale is active.

Configuring the Sequence Property of a List Column to Import Records

To import records, you must make sure you set the Sequence property of the list column so that Siebel CRM imports records in the correct order. For example, assume you must configure Siebel CRM so that the user can import service requests. To do this, the user navigates the Service Requests list, clicks Menu, and then clicks Import. To support this requirement, assume you do the following:

- Configure hierarchical pick lists in the Service Request business component on the following fields:
  - **Area.** The Area field constrains the Sub-Area field.
  - **Sub-Area.** The Sub-Area field constrains the SR Type field.
  - **SR Type.**
- Create a custom import object and a list applet that uses the following configuration:

- Set Input Format to Comma Separated Text File
- Set Input Source to Auto Mapping
- In the applet, you set the Sequence property to the following:
  - 4 for the Sub-Area list column
  - 1 for the SR Type list column

When the user runs this import, it fails and Siebel CRM enters the following errors in the import log file:

```
Failed to import 'Information' into the field 'SR Type'.
Failed to import 'Information' into the field 'SR Type'.
```

This import fails because the sequence that Siebel CRM uses when it imports these fields is not correct. It attempts to set the SR Type field before it sets the Sub-Area field, but this is not possible because the Sub-Area field constrains the SR Type. Siebel CRM must import the Sub-Area field first, choose a value for it, constrain the SR Type field according to the Sub-Area field, and then import the SR Type field.

To avoid this problem, you must set the Sequence property of the list column in the applet that displays these fields to the following:

- 1 for the Sub-Area list column.
- 4 for the SR Type list column.

List Column Locale

A list column locale defines language overrides that Siebel CRM uses with a list column.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > List > List Column > List Column Locale

Table 31 describes properties that Siebel CRM uses with a list column locale.

Table 31. Properties of the List Column Locale

Property	Description
Available **(O)**	If TRUE, then Siebel CRM can associate this list column with a list applet.
Display Name **(O)**	Specifies a symbolic string that Siebel CRM uses for the list column heading.
HTML Height **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column.

Table 31. Properties of the List Column Locale

Property	Description
HTML Sequence **(O)**	Specifies the position of this list column relative to other list columns in the applet in the Siebel Web Client if the list applet is in Edit, Query, or New mode.
HTML Width **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client. The maximum value is 2048.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Prompt Text **(O)**	For more information, see "Configuring the Prompt Text Property of a Control or List Column" on page 80.
Sequence **(O)(H)**	Specifies the position of this list column in the list. This property can contain only an integer.
Show In List **(O)**	If TRUE, then Siebel CRM displays this list column in a list.
Text Alignment **(O)**	Specifies the text alignment of the list column.
Text-Alignment Label **(O)**	Specifies the Text-Alignment Label property if a language or locale is active. This property affects the Text Alignment Label Language Override property for this list column.
Width **(O)(H)**	Specifies the width for this list column.

List Column User Prop

A list column user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > List > List Column > List Column User Prop

Table 32 describes properties that Siebel CRM uses with a list column user prop.

Table 32. Properties of the List Column User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

List Locale

A list locale defines language overrides that Siebel CRM uses with a list.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > List > List Locale

Table 33 describes properties that Siebel CRM uses with a list locale.

Table 33. Properties of the List Locale

Property	Description
Alpha Tab Search Field **(O)(H)**	Specifies the name of the business component field that Siebel CRM uses when it does an alpha tab search. If this property includes a value, then Siebel CRM displays an alphabet tab search bar in the list applet.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Tree

A tree defines a tree control in a tree applet. To create a view that allows the user to navigate a hierarchal list of records, Siebel CRM uses a tree applet. For example, the explorer view in the Service Requests screen uses a tree applet.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Tree

Table 34 describes properties that Siebel CRM uses with a tree.

Table 34. Properties of the Tree

Property	Description
HTML Hierarchy Bitmap **(O)**	Specifies the name of the HTML hierarchy bitmap object that Siebel CRM uses to display icons on the tree.
Name **(S)**	Specifies the name of this tree. The name is Tree.

Tree Node

A tree node corresponds to one folder that Siebel CRM displays in a tree applet. It references the following items:

- **Label.** Specifies the source of the text that Siebel CRM displays next to this folder.

- **Applet.** Specifies the name of the applet that Siebel CRM displays in the right half of the view if the user opens the folder.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Tree > Tree Node

Table 35 describes properties that Siebel CRM uses with a tree node.

Table 35. Properties of the Tree Node

Property	Description
Applet **(O)**	Specifies the applet that Siebel CRM displays if the user clicks this tree node. This applet is typically a list applet. A list applet is not required. If the Applet property is empty, then Siebel CRM does nothing.
Bitmap Category **(O)(H)**	Not used.
Bitmap Index **(O)(H)**	Specifies an integer that Siebel CRM uses to choose a bitmap for the document symbol as a subset of a multiimage bitmap. Siebel CRM uses this property internally. You must set it to the following value: `5 = document symbol`
Bitmap Index Field **(O)(H)**	Not used.
Business Component **(O)**	Specifies the business component that Siebel CRM uses to populate values in this tree node. You specify the same business component that the applet references. You specify this applet in the Applet property of this tree node.
Display Name **(O)**	Specifies the text that Siebel CRM displays next to the folder that it displays for this tree node.
HTML Closed Bitmap **(O)**	Specifies the bitmap object that defines the properties of a closed folder image. The parent of the bitmap object must be the HTML Tree Icons bitmap category. If the HTML Closed Bitmap property is not empty, then it overrides the Close Bitmap property of the HTML hierarchy bitmap object.
HTML Open Bitmap **(O)**	Specifies the bitmap object that defines the properties of an open folder image. The parent of the bitmap object must be the HTML Tree Icons bitmap category. If the HTML Open Bitmap property is not empty, then it overrides the Open Bitmap property of the HTML hierarchy bitmap object.
Label Field **(O)**	Specifies the name of a business component field that Siebel CRM uses to populate the names of the document object definitions in this tree node.

Table 35. Properties of the Tree Node

Property	Description
Max Child Items **(O)**	Specifies an integer that sets a limit on the number of child items that Siebel CRM displays in this tree node.
Name **(R)**	Specifies the name of this tree node. This name must be unique in the tree.
Position **(R)**	Specifies the position where Siebel CRM places this tree node in the tree hierarchy. This value includes integer values separated by periods. For example: `1.2.3.14` where: ■ 1 is the top level in the hierarchy. ■ 2 is one level below level 1. ■ 3 is one level below level 2. ■ 14 is one level below level 3 and indicates that this tree node is in the 14th position of level 4.
Recursive **(S)**	If TRUE, then this tree node and all the tree nodes below it include the same type of Siebel CRM data. For example, an account can include subaccounts. Each of these subaccounts can include more subaccounts.
Recursive Link **(O)**	Specifies the name of the link that defines the relationship with the business component. You can use it only if the Recursive property of this tree node is TRUE.
Root Search Spec **(O)**	Specifies a string value that determines the list of records at the top level of the tree. You use it primarily for a recursive tree to create a starting point for the tree. For example: `[Parent Account Id] is NULL`
Selected Bitmap Index **(O)(H)**	Specifies an integer that identifies the bitmap in a multiple bitmap file that Siebel CRM displays if the user chooses a record. You must use the following value: `5`
Selected Bitmap Index Field **(O)(H)**	Not used.

Tree Node Locale

A tree node locale defines language overrides that Siebel CRM uses with a tree node.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Applet > Tree > Tree Node > Tree Node Locale

Table 36 describes properties that Siebel CRM uses with a tree node locale.

Table 36. Properties of the Tree Node Locale

Property	Description
Display Name **(O)**	Specifies the text that Siebel CRM displays next to the folder that corresponds to the tree node.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Application Object Types

This topic describes the Application object type and object types that are children of this object type. It includes the following topics:

- Application on page 96
- Application Browser Script on page 98
- Application Event Services on page 99
- Application Find on page 99
- Application Locale on page 100
- Application Method Menu Item (H) on page 100
- Application Method Menu Item Locale (H) on page 101
- Application Server Script on page 101
- Application Toolbar (H) on page 102
- Application User Prop (H) on page 102
- Page Tab on page 102
- Page Tab Locale on page 103
- Screen Menu Item on page 103
- Screen Menu Item Locale on page 104

Application

An application defines the screens and views that the user can access through menus and page tabs. You must not configure Siebel Tools as an application in the same way that you configure a Siebel Business Application, such as Siebel Sales or Siebel Service. Although the views and applets that Siebel Tools uses do exist in the repository, you must not modify this information.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Applet Web Template > Applet Web Template Item > Siebel Object Types Reference > Application

Table 37 describes properties that Siebel CRM uses with an application.

Table 37. Properties of the Application

Property	Description
Acknowledgement Web Page **(O)**	Specifies the name of the Web page that Siebel CRM displays after the user logs in. Siebel CRM uses the Acknowledgement Web Page property only if the Acknowledgement Web View property does not contain a value. The Acknowledgement Web Page property or the Acknowledgement Web View property must contain a value.
Acknowledgement Web View **(O)**	Specifies the name of the view that Siebel CRM displays after the user logs in. The Acknowledgement Web Page property or the Acknowledgement Web View property must contain a value.
Company Logo Bitmap **(O)(H)**	Specifies the name of a bitmap object definition in the Company Logos bitmap category.
Container Web Page **(O)**	Specifies the Web page object definition that Siebel CRM uses to display the elements that surround a Siebel view. This page contains typical user interface elements, such as viewbars, screenbars, logos, and so on. All views, pages, and applets use the page that the Container Web Page properties specifies, by default. The Container Page property of a view can override this configuration.
Default Find **(O)**	Specifies the default value for a Find object. If the Default Find property of the Application Find object is True, then Siebel CRM displays this Find object in the Look In drop-down list in the Search Center.
Display Name **(O)**	Specifies the name that Siebel CRM displays on menus and page tabs for an application.
Error Web Page **(O)**	Specifies the error page that Siebel CRM displays if an error occurs. This value must reference a Web Page object type.
Login Web Page **(O)**	Specifies the page that Siebel CRM displays that allows the user to enter a user name and password. This value must reference a Web Page object type.
Logoff Acknowledgement Web Page **(O)**	Specifies the page that Siebel CRM displays after the user logs off. This value must reference a Web Page object type.

Table 37. Properties of the Application

Property	Description
Menu **(O)**	Specifies the menu object definition that Siebel CRM uses.
Name **(R)**	Specifies a unique application name.
Scripted **(S)**	Specifies if a Siebel VB or Siebel eScript script is attached to the Application object. It can contain one of the following values: ■ **TRUE.** Siebel script attached. ■ **FALSE.** No Siebel script attached.
Sort Web Page **(O)**	Specifies the page that allows the user to choose the fields to sort in a list applet. This value must reference a Web Page object type.
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses by default for all controls in the application object. It uses this property only if the control, applet, or view do not specify a text style. The configuration file provides the default value for this property.
Task Screen **(O)**	Specifies the screen that allows the user to restart a task UI.

Application Browser Script

An application browser script defines the browser script that an application uses.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Application > Application Browser Script

Table 38 describes properties that Siebel CRM uses with an application browser script.

Table 38. Properties of the Application Browser Script

Property	Description
Browser Group **(O)**	Specifies the browser type that this script supports.
Name **(R)**	Specifies a unique name for this script. To create this value, Siebel Tools automatically combines the values in the User Agent property and the Procedure property. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(O)**	Specifies the text for the function.

Application Event Services

A application event services defines the application event services that Siebel CRM uses.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Event Services

Table 39 describes properties that Siebel CRM uses with an application event services.

Table 39. Properties of the Application Event Services

Property	Description
Event Name **(R)**	Specifies the name of the application event service. It can include only the following value: `Start`
Method Name **(R)**	Specifies the name of the business service method that Siebel CRM must call. It can include only the following value: `Start`
Name **(R)**	Specifies the event description.
Sequence **(R)**	Specifies the order that Siebel CRM uses to process the services. This property only contain an integer.
Business Service **(R)**	Specifies the name of the business service that Siebel CRM must call.

Application Find

An application find defines the find object definitions that Siebel CRM uses for an application.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Find

Table 40 describes properties that Siebel CRM uses with an application find.

Table 40. Properties of the Application Find

Property	Description
Default Find **(O)**	Specifies the default value for a Find object. If the Default Find property of the Application Find object is True, then Siebel CRM displays this Find object in the Look In drop-down list in the Search Center
Find **(R)**	Specifies the name of the find object definition that Siebel CRM includes in the application object. For example: Contact
Name **(R)**	Same as the Find property.
Sequence **(O)**	Specifies the order that Siebel CRM uses relative to other application find objects that it includes in the Find dialog box. This property can contain only an integer.

Application Locale

An application locale defines language overrides that Siebel CRM uses with an application.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Locale

Table 41 describes properties that Siebel CRM uses with an application locale.

Table 41. Properties of the Application Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays on menus and page tabs for an application for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Application Method Menu Item (H)

An application method menu item defines the menu for the application object.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Method Menu Item

Table 42 describes properties that Siebel CRM uses with an application method menu item.

Table 42. Properties of the Application Method Menu Item

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item.
Method **(R)**	Specifies the method that the menu item calls.
Name **(R)**	Specifies the name of the application method menu item.
Position **(R)**	Specifies the position of the menu item in the menu tree. For example, the following position identifies the first menu item of the submenu that resides in the third menu item. This third menu item resides in the top-level menu: `3.1`

Application Method Menu Item Locale (H)

An application method menu item locale defines language overrides that Siebel CRM uses with an application method menu item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Method Menu Item (H) > Application Method Menu Item Locale

Table 43 describes properties that Siebel CRM uses with an application method menu item locale.

Table 43. Properties of the Application Method Menu Item Locale

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Application Server Script

An application server script defines the Siebel VB and Siebel eScript script that an application object contains. For more information, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Server Script

An application server script uses the same properties as an applet script. For more information, see Table 13 on page 42.

Application Toolbar (H)

An application toolbar associates a toolbar with an application. Different applications can use different toolbars.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Application Toolbar

Table 44 describes properties that Siebel CRM uses with an application toolbar.

Table 44. Properties of the Application Toolbar

Property	Description
Name **(R)**	Specifies the name of the application toolbar object definition. This name must be unique in this application.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this toolbar relative to other toolbars that it displays at the top of the main window. This property can contain only an integer.
Toolbar **(R)**	Specifies the name of the toolbar object definition that Siebel CRM uses in an application.

Application User Prop (H)

An application user prop is for Oracle use only.

Page Tab

A page tab defines the screens that the user access through a page tab.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Page Tab

Table 45 describes properties that Siebel CRM uses with a page tab.

Table 45. Properties of the Page Tab

Property	Description
Bitmap Category **(O)(H)**	Reserved for future use.
Screen **(R)**	Specifies the screen that Siebel CRM displays if the user clicks a page tab. For example: `Accounts Screen`
Sequence **(O)**	Specifies the order that Siebel CRM uses when it displays the page tabs. This property can contain only an integer.
Text **(R)**	Specifies the text or the key to localized text that Siebel CRM displays on the page tab. For example: `Accounts`

Page Tab Locale

A page tab locale defines language overrides that Siebel CRM uses with a page tab.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Page Tab > Page Tab Locale

Table 46 describes properties that Siebel CRM uses with a page tab locale.

Table 46. Properties of the Page Tab Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that Siebel CRM uses. For example: `ENU`
Text **(O)**	Specifies the text or the key to localized text Siebel CRM displays on the page tab.

Screen Menu Item

A screen menu item adds a menu item to a screen menu.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Screen Menu Item

Table 47 describes properties that Siebel CRM uses with a screen menu item.

Table 47. Properties of the Screen Menu Item

Property	Description
Screen **(R)**	Specifies the name of the screen that this screen menu item displays. If a screen contains multiple screen views, and if the user clicks a screen menu item, then Siebel CRM expands this screen menu item and then displays screen menu items for each of these views.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this screen menu item on the Screen menu.
Text **(R)**	Specifies the text label that Siebel CRM uses for this screen menu item. If localized text exists for this screen menu item, then the value in this Text property is a key that identifies the message table that Siebel CRM uses to find the localized text.

Screen Menu Item Locale

A screen menu item locale defines language overrides for a screen menu item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Screen Menu Item > Screen Menu Item Locale

Table 48 describes properties that Siebel CRM uses with a screen menu item locale.

Table 48. Properties of the Screen Menu Item Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Text **(O)**	Specifies the text that Siebel CRM uses for the screen menu item.

Assignment Attribute Object Types

This topic describes the Assignment Attribute object type and object types that are children of this object type. It includes the following topics:

- Assignment Attribute on page 105
- Assignment Attribute Column on page 106

Assignment Attribute

An assignment attribute does the following:

- Defines an attribute that an assignment criteria can reference.
- Specifies the picklist that Siebel CRM uses in the Values applet in the Assignment Criteria view that an administrator can use in the client to configure an attribute.
- Does not directly specify a database column or a combination of database columns. The child assignment attribute column defines a column mapping.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Application > Assignment Attribute

Table 49 describes properties that Siebel CRM uses with an assignment attribute.

Table 49. Properties of the Assignment Attribute

Property	Description
Bounded **(O)**	You can use one of the following values: ■ **TRUE.** The administrator must choose a value from the picklist. ■ **FALSE.** The administrator can enter a value that the picklist does not display.
Data Type **(R)**	Specifies the data type for the assignment attribute. You can use one of the following values: ■ Varchar ■ Number
Name **(R)**	Specifies the name of the assignment attribute. The value that this property contains must be unique in the repository.
Order By LOV Type **(O)**	Not used.
Pick Field **(O)**	Specifies the name of the field that the administrator can choose from the picklist. You can use one of the following values: ■ Created ■ Created By ■ Id ■ Updated ■ Updated By
Picklist **(O)**	Specifies the name of the picklist that provides the values that populate a list column in the Values applet in the Assignment Criteria view.

Table 49. Properties of the Assignment Attribute

Property	Description
Translate Pick Field **(O)**	Specifies to save the Language Independent Code in the Siebel database or in the display value for the assignment criteria.
Use Range **(O)**	You can use one of the following values: ■ **TRUE.** Display a pair of list columns that allows an administrator to specify a range of values for assignment criteria attributes. ■ **FALSE.** Display a single column that requires the administrator to specify a single value for assignment criteria attributes. For example, the Use Range property of the Revenue assignment attribute is TRUE. It displays two list columns: Revenue Low and Revenue High. It allows the administrator to enter 50000 in the Revenue Low column and 100000 in the Revenue High column to indicate a range of $50,000 through $100,000.

Checking In Assignment Objects

You must check the project that an assignment object references in to the Siebel Server. It is not sufficient to only compile and distribute the SRF file.

Assignment Attribute Column

An assignment attribute column does the following:

- Assigns an assignment attribute to an assignment object and a workflow policy component column. These mappings set up value matching in the assignment object and workflow policy object for criteria that use the parent assignment attribute.
- Maps an assignment object to a workflow policy component column.
- Each assignment attribute column can specify a different assignment object or a different attribute in the same assignment object.

You must check in modifications you make. For more information, see “Checking In Assignment Objects” on page 106.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Assignment Attribute > Assignment Attribute Column

Table 50 describes properties that Siebel CRM uses with an assignment attribute column.

Table 50. Properties of the Assignment Attribute Column

Property	Description
Assignment Object **(R)**	Specifies an assignment object. Siebel CRM examines the values that this object contains to determine if a match exists with values that the parent assignment attribute contains.
Name **(R)**	Specifies the name of the assignment attribute column. You can use the following format: *assignment_object*: *workflow_policy_component_column* For example: Account: Area Code
Sequence **(R)**	Specifies a unique sequence number for the assignment attribute column. If an assignment attribute contains multiple assignment attribute columns, then Assignment Manager searches for attribute values in the order that you define them in this property. This property can contain only an integer.
Workflow Policy Component **(R)**	Specifies the name of the workflow policy component in the workflow policy object that this assignment attribute column references. For example: Account
Workflow Policy Component Column **(R)**	Specifies the name of the workflow policy component column in the workflow policy component that this assignment attribute column references. For example: Account Area Code
Workflow Policy Object **(R)**	Specifies the name of the workflow policy object that this assignment attribute column references. For example: Account

Assignment Criteria Object Types

This topic describes the Assignment Criteria object type and object types that are children of this object type. It includes the following topics:

- Assignment Criteria on page 108
- Assignment Criteria Attribute on page 109
- Assignment Criteria Attribute Locale on page 110

■ Assignment Criteria Locale on page 111

Assignment Criteria

An assignment criteria defines an attribute that Siebel CRM uses in an assignment criteria record. Siebel CRM displays assignment criteria in the picklist that it displays if the user clicks in the Criteria list column when the user edits an assignment criteria record in the client.

You must check in modifications you make. For more information, see "Checking In Assignment Objects" on page 106.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Assignment Criteria

Table 51 describes properties that Siebel CRM uses with an assignment criteria.

Table 51. Properties of the Assignment Criteria

Property	Description
Display Flag **(O)**	You can use one of the following values: ■ **TRUE.** Display the Criteria object in the Assignment Criteria view in the client. ■ **FALSE.** Do not display the Criteria object in the Assignment Criteria view in the client.
Display Name **(O)**	Specifies the name that Siebel CRM displays for this assignment criteria object in the picklist and in the Criteria list column in the Assignment Criteria applet in the Assignment Criteria view. If Display Name does not contain a value, then Siebel CRM uses the value in the Name property.
Employee Skill **(O)**	You can use one of the following values: ■ **TRUE.** Display the Assignment Criteria object in the Skill applets in the client. ■ **FALSE.** Do not display the Assignment Criteria object in the Skill applets in the client.
Name **(R)**	Specifies the name of the assignment criteria.

Table 51. Properties of the Assignment Criteria

Property	Description
Team	Specifies Used with dynamic candidates feature. You can use one of the following values: ■ **TRUE.** Use a column on the team table to calculate assignment criteria. ■ **FALSE.** Do not use a column on the team table to calculate assignment criteria.
Use Expertise **(O)**	You can use one of the following values: ■ **TRUE.** Assignment Manager uses the expertise code to match an assignment object to a person. ■ **FALSE.** Assignment Manager does not use the expertise code to match an assignment object to a person.

Assignment Criteria Attribute

An assignment criteria attribute allows an assignment criteria to include multiple attributes.

You must check in modifications you make. For more information, see "Checking In Assignment Objects" on page 106.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Assignment Criteria > Assignment Criteria Attribute

Table 52 describes properties that Siebel CRM uses with an assignment criteria attribute.

Table 52. Properties of the Assignment Criteria Attribute

Property	Description
Assignment Attribute **(R)**	Specifies the assignment attribute that this assignment criteria attribute references.
Display Name **(R)**	Specifies the list column label that Siebel CRM displays for this assignment criteria attribute in the Values list applet. If this property does not include a value, then Siebel CRM uses the name in the list column label.
Display Sequence **(R)**	Specifies the order that Siebel CRM uses to display the list column for this assignment criteria attribute in the list applet relative to other assignment criteria attributes in the assignment item. A lower number places the list column farther to the left.
Display Sequence - Language Override	Allows you to order the list columns in the list applet differently for different languages.

Table 52. Properties of the Assignment Criteria Attribute

Property	Description
Name **(R)**	Specifies the name of the assignment criteria attribute. This name must be unique in the parent assignment criteria.
Pick Applet **(O)**	Specifies the name of the pick applet that Siebel CRM displays in a picklist. If a picklist is defined, then this picklist allows the user to choose a value in a list column for the assignment attribute.
Store Column **(R)**	Specifies the column in the S_ASGN_RULE_ITEM (assignment rule item) table that contains the value for the assignment criteria attribute. To save assignment criteria attribute values for each assignment criteria, Siebel CRM uses four columns for each of the following data types: ■ Number ■ Varchar The Data Type property in the assignment attribute determines this data type. The Store Column property must contain one of the following unique values for each assignment criteria attribute that uses the same data type: ■ 1 ■ 2 ■ 3 ■ 4

Assignment Criteria Attribute Locale

An assignment criteria attribute locale defines language overrides that Siebel CRM uses with an assignment criteria attribute.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Assignment Criteria > Assignment Criteria Attribute > Assignment Criteria Attribute Locale

Table 53 describes properties that Siebel CRM uses with an assignment criteria attribute locale.

Table 53. Properties of the Assignment Criteria Attribute Locale

Property	Description
Display Name **(R)**	Specifies the list column label that Siebel CRM displays for this assignment criteria attribute in the Values list applet for a language.
Display Sequence	Specifies the order that Siebel CRM uses to display the list column for this assignment criteria attribute in the list applet relative to other assignment criteria attributes in the assignment item. A lower number places the list column farther to the left.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Assignment Criteria Locale

An assignment criteria locale defines language overrides that Siebel CRM uses with an assignment criteria.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Assignment Criteria > Assignment Criteria Locale

Table 54 describes properties that Siebel CRM uses with an assignment criteria locale.

Table 54. Properties of the Assignment Criteria Locale

Property	Description
Display Name **(R)**	Specifies the name that Siebel CRM displays for this assignment criteria in the picklist and the Criteria list column in the Assignment Criteria applet in the Assignment Criteria view for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Bitmap Category Object Types

This topic describes Bitmap Category object type and object types that are children of this object type. It includes the following topics:

- Bitmap on page 112
- Bitmap Category on page 113

■ Bitmap Locale on page 113

Bitmap

A bitmap references a GIF or JPG image file that a button control or another object uses. Each bitmap image in the repository can exist in only one bitmap category.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Bitmap Category > Bitmap

Table 55 describes properties that Siebel CRM uses with a bitmap.

Table 55. Properties of the Bitmap

Property	Description
Alt Text **(O)**	Specifies alternative text that Siebel CRM uses instead of the value that the Name property contains.
Data **(S)(H)**	Specifies the bitmap data.
File Name **(O)**	Specifies the file name of the bitmap. The following directory is the default directory for this file: `\public\`*language*`\images` where: ■ *language* is enu for U.S. English.
Height **(S)**	Specifies the height in pixels of the bitmap.
MIME Type **(O)**	Specifies the MIME type of the file contents.
Name **(R)**	Specifies the name of the bitmap object definition.
Transparent Color **(O)(H)**	Specifies to use 1-bit transparency support for logos, toolbars, buttons, and similar bitmap object definitions. If the user sets a custom background color, then this configuration allows Siebel CRM to use this background color so that a toolbar button or applet button that displays over this background is visible. The color you choose or enter in the Transparent Color property specifies the color that Siebel CRM uses as a substitute for a Clear color. You can enter it as a triplet of integers. You can also click the Transparent Color button during a bitmap import and then use the color selection dialog box that Siebel Tools displays.
Width **(S)**	Specifies the width in pixels of the bitmap.

Bitmap Category

A bitmap category allows Siebel CRM to group bitmaps according to function or some other relationship. You can use some predefined bitmap categories only for a specific purpose. For example, the Background Bitmap property of an applet references the Applet Backgrounds bitmap category for the bitmap file.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Bitmap Category

Table 56 describes properties that Siebel CRM uses with a bitmap category.

Table 56. Properties of the Bitmap Category

Property	Description
Name **(R)**	Specifies the name of the bitmap category.
Predefined **(O)(H)**	You can use one of the following values: **TRUE.** A predefined bitmap category that typically contains a bitmap file that you or Oracle provides. You can add or remove a bitmap file from a predefined category. You cannot delete or rename the object definition for a bitmap category. **FALSE.** A bitmap category that you provide. You can create, delete, or modify the object definition of the bitmap category. This bitmap is typically a view bar logo that uses the Logo.bmp name. You provide the bitmap category name and reference it in the Bitmap Category property of the view.

Bitmap Locale

A bitmap locale defines a language override that Siebel CRM uses with a bitmap.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Bitmap > Bitmap Locale

Table 57 describes properties that Siebel CRM uses with a bitmap locale.

Table 57. Properties of the Bitmap Locale

Property	Description
Alt Text **(O)**	Alternative text that Siebel CRM uses instead of the parent name property for a bitmap for a language.
Name **(R)**	The abbreviation for the language that the Siebel Business Application uses. For example: ENU

Business Component Object Types

This topic describes the Business Component object type and object types that are children of this object type. It includes the following topics:

- BusComp Browser Script on page 115
- BusComp Server Script on page 115
- BusComp View Mode on page 115
- Business Component on page 117
- Business Component User Prop on page 125
- Field on page 126
- Field Locale on page 136
- Field User Prop on page 137
- Join on page 137
- Join Constraint on page 138
- Join Specification on page 139
- Multi Value Field on page 140
- Multi Value Link on page 142
- MVF Pick Map on page 145
- MVF Pick Map UpdOnlyIfNull on page 146
- Pick Map on page 147
- Pick Map UpdOnlyIfNull on page 148
- Single Value Field on page 149
- SVF Pick Map on page 153
- SVF Pick Map UpdOnlyIfNull on page 154

BusComp Browser Script

A buscomp browser script defines the browser script that a business component uses.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > BusComp Browser Script

Table 58 describes properties that Siebel CRM uses with a buscomp browser script.

Table 58. Properties of the BusComp Browser Script

Property	Description
Browser Group **(O)**	Not used.
Name **(R)**	Specifies a unique name for the script. To define this property, Siebel Tools automatically combines the Browser Group and Procedure properties. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(R)**	The text for the script.

BusComp Server Script

A buscomp server script defines Siebel VB or Siebel eScript script for a business component. For more information, see *Siebel Object Interfaces Reference*.

Starting with Siebel CRM version 7.0, buscomp server scripts replace business component scripts.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > BusComp Server Script

A buscomp server script uses the same properties as a applet script. For more information, see Table 13 on page 42.

BusComp View Mode

A buscomp view mode defines access control for a business component in a view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > BusComp View Mode

Table 59 describes properties that Siebel CRM uses with a buscomp view mode.

Table 59. Properties of the BusComp View Mode

Property	Description
Name **(R)**	Specifies the view mode name. To examine the values you can use, you can click this Name property in Siebel Tools.
Owner Type **(R)**	Specifies the owner of the records in the current view mode. For example, if the user chooses My Opportunities, then the position is the owner of the opportunities that Siebel CRM displays. To examine the values you can use, you can click this Owner Type property in Siebel Tools. For more information about using the Owner Type property, see the topic about business component view mode fields in *Siebel Security Guide*.
Private Field **(O)**	Specifies the name of a field that indicates private or public access to a record. This field is typically named Private or Private Flag. This property allows Siebel CRM to display private predefined queries that a user creates and public queries that an administrator creates. It can display these queries in the same list. The field that the Private Field property references contains a TRUE or FALSE value that indicates if the record is private. This value determines the following visibility: ■ **Private.** Only the record owner can view this record. ■ **Not private.** All users can view this record.
Visibility Field **(O)**	Specifies the field that Siebel CRM uses to establish single-owner visibility. This field identifies the record ID of a record that the business component contains.
Visibility MVField **(O)**	Specifies the name of the multivalue field that Siebel CRM uses to maintain the list of owners that it displays in team visibility. This field typically references the Name property in the business component. Siebel CRM uses this property with the Visibility MVLink property. To examine the values you can use, you can click this Visibility MVField property in Siebel Tools.
Visibility MVLink **(O)**	Specifies the name of the multivalue link that Siebel CRM uses to maintain the list of owners that it displays in team visibility. Siebel CRM uses this property with the Visibility MVField property. To examine the values you can use, you can click this Visibility MVLink property in Siebel Tools.

Business Component

A business component defines a logical entity that organizes columns from one or more tables into a single entity. It provides a foundation that controls how Siebel CRM chooses, inserts, and updates data in underlying tables. This data is typically specific to a functional area, such as a product, a contact, or an account. An applet references a business component. It does not directly reference the tables. This configuration allows you to reference data according to functional area. It might also separate work that a developer performs from work that an administrator performs.

A virtual business component defines external data. For more information, see "Properties of the Field Object Type That Siebel CRM Supports for a Virtual Business Component" on page 136.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component

Table 60 describes properties that Siebel CRM uses with a business component.

Table 60. Properties of the Business Component

Property	Description
Browser Class **(O)(H)**	Not used.
Cache Data **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does the following: ■ If a query runs more than one time on a business component, and if each query uses the same search specification, the Siebel CRM reads business component data only one time for all of these queries. ■ If a query runs more than one time on a business component, and if each query uses a different search specification, then Siebel CRM reads data for each query. ■ **FALSE.** Siebel CRM reads business component data for each query. For more information, see "Configuring the Cache Data Property of a Business Component" on page 124.
Class **(R)**	Specifies the name of the class that determines the configuration of the business component. For example, you can use the following value: `CSSBcVAbsResult`

Table 60. Properties of the Business Component

Property	Description
Data Source **(O)**	Allows a business component to use a different name for the configuration file that identifies the data source. This name is different from the name that the Siebel Business Application currently uses. Server or Local are examples of a data source. This configuration allows a business component to get data from a database other than the typical SQL database. If a business component specifies a data source, then all the tables it implicitly and explicitly joins must reside in the same data source. If the Data Source property is empty, then Siebel CRM uses the same data source that it uses to start the Siebel Business Application.
Dirty Reads **(O)**	You can use one of the following values: ■ **TRUE.** The business component supports database dirty reads. ■ **FALSE.** The business component does not support database dirty reads. Siebel CRM uses this property only if it use a Sybase database. If Siebel CRM does not use a Sybase database, then it ignores this property. It is recommended that you modify the default setting of TRUE for this property only to support workflow processes or Enterprise Application Integration (EAI). If TRUE, then the user can read data that can be modified without their knowledge. This configuration might be desirable in a situation where the data is available for reading and anybody can update it. If dirty reads are not allowed, then nobody can update the data until everybody finishes displaying this data. If dirty reads are allowed, and if another user does not modify the same record since Siebel CRM last queried this record, then it updates data immediately. For example, if user A updates a record, and if user B is not aware of this update and then attempts to update the same record, then Siebel CRM displays a message to user B that states that the data was updated and the user must requery.
Distinct **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM suppresses system fields. Allows the equivalent of a distinct query because it suppresses system fields, such as Created, Updated, Id, and so. ■ **FALSE.**Siebel CRM does not suppress system fields.
Enclosure Id Field **(O)**	Specifies the ID of a recipient of literature, typically the contact ID.

Table 60. Properties of the Business Component

Property	Description
Extension Type **(O)**	You can use one of the following values: ■ **JOIN.** Siebel CRM joins the extension table and gets the extended data and the other data that it requires. ■ **LINK.** Siebel CRM uses a separate SQL statement that gets extended data. It uses this property with a Sybase database server because Sybase uses a 2 KB record length limit. If the Extension Type property is empty, and if Siebel CRM: ■ **Uses Sybase.** This property defaults to LINK. ■ **Does not use Sybase.** This property defaults to JOIN.
Force Active **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM gets all fields from the server database. This configuration degrades business component performance. It is not recommended. ■ **FALSE.** Siebel CRM gets only the fields that the client registers or that a specialized business component requests. This configuration improves performance.
GenReassignAct **(O)**	You can use one of the following values: ■ **TRUE.** If the business component uses a multivalue group for visibility, and if Siebel CRM modifies the primary team member, then it creates an activity. ■ **FALSE.** Siebel CRM does not create an activity.
Hierarchy Parent Field **(O)**	Specifies the field that contains the parent data in a hierarchy. It allows Siebel CRM to display nesting in a hierarchical list applet.
Insert Update All Columns **(S)**	Used internally to make each SQL INSERT or UPDATE statement include a column. This configuration allows Siebel CRM to reuse parsed statements more effectively during batch processing. You must not modify this value.
Log Changes **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM enables logging. ■ **FALSE.** Siebel CRM disables logging. **CAUTION:** Siebel CRM sets this property to TRUE, by default. You must not modify it. Any modification you make might adversely affect data integrity.

Table 60. Properties of the Business Component

Property	Description
Maximum Cursor Size **(O)**	Specifies the maximum number of records that Siebel CRM can get from the server database. It applies only to an Oracle or DB2 UDB database. You can use one of the following numbers: ■ **- 1.** Siebel CRM gets records until it encounters an EOF (end of file) record. ■ **A number greater than 0.** Siebel CRM gets the number of records that you specify. If the Maximum Cursor Size property contains a value, then this value overrides the MaxCursorSize parameter in the configuration file. You can also use this property with a multivalue group business component. For more information, see "Configuring a Multivalue Group Business Component" on page 125.
Multi Recipient Select **(S)**	You can use one of the following values: ■ **TRUE.** Siebel CRM allows the user to choose multiple recipients. ■ **FALSE.** Siebel CRM does not allow the user to choose multiple recipients. The Service Request business component sets this property.
Name **(R)**	Specifies the name for the business component. This name must be unique among business components. It can include spaces. It cannot include special characters.
No Delete **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not allow the user to delete a record in an applet that references this business component. ■ **FALSE.** Siebel CRM allows the user to delete a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
No Insert **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not allow the user to insert a record in an applet that references this business component. ■ **FALSE.** Siebel CRM allows the user to insert a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.

Table 60. Properties of the Business Component

Property	Description
No Merge **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not allow the user to merge two existing records into a single record in an applet that references this business component. ■ **FALSE.** Siebel CRM allows the user to merge two existing records into a single record in an applet that references this business component. You must also set the No Delete property to FALSE because merging requires Siebel CRM to delete one of the records that it merges. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
No Update **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not allow the user to update a record in an applet that references this business component. ■ **FALSE.** Siebel CRM allows the user to update a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
Owner Delete **(O)**	You can use one of the following values: ■ **TRUE.** Only the owner can delete a record. ■ **FALSE.** Anyone can delete a record. The following visibility determines the owner: ■ **Team visibility**. The owner is the primary position on the sales team. Team visibility occurs if the Visibility MVLink property and the Visibility MVField property of the BusComp View Mode each includes a value. ■ **Position visibility.** The owner is the position that the visibility field contains. The Visibility Field property of the BusComp View Mode specifies this field. If a view uses Admin mode, then Siebel CRM disables the Owner Delete property and any user who can access the view can delete the record.
Placeholder **(O)**	Not used.
Popup Visibility Auto All **(O)**	You can use one of the following values: ■ **TRUE.** Pop-up visibility is All. ■ **FALSE.** The Popup Visibility Type property determines pop-up visibility.

Table 60. Properties of the Business Component

Property	Description
Popup Visibility Type **(O)**	Specifies the type of pop-up visibility. To view the values you can use, click the Popup Visibility Type property in Siebel Tools. If this property is empty, then Siebel CRM uses the Sales Rep default value.
PreFetch Size **(O)**	Specifies the number of records that Siebel CRM gets from the server database for a business component. If this property includes a value, then it overrides the MaxCursorSize parameter in the configuration file. If you set the PreFetch Size property to the same value that the Maximum Cursor Size property contains, then Siebel CRM does the following: ■ Reads the number of records that you specify in the PreFetch Size parameter. ■ Resets the Siebel database cursor so that Siebel CRM can use it for a subsequent query. You can use this property with the Maximum Cursor Size property only with a DB2 UDB database. You can use this property with a multivalue group business component. For more information, see "Configuring a Multivalue Group Business Component" on page 125.
Recipient Id Field **(O)**	Specifies the field that references the recipient IDs. This ID is typically the Contact ID. This property specifies the field that references the ID. It does not specify the ID. If the user uses CTRL+L in the Service Request screen to create recipients, and if the Recipient Id Field property of the Service Request business component is empty, then Siebel CRM does not create any recipients.
Reverse Fill Threshold **(O)**	Specifies the maximum number of records that Siebel CRM reads when it runs the first record or the last record request. It does this before the SQL statement that automatically reruns with a reversed sort sequence. The default value is 100.
Scripted **(S)**	Indicates a Siebel VB or Siebel eScript script is attached to the business component: **TRUE.** Script is attached. **FALSE.** No script is attached.

Table 60. Properties of the Business Component

Property	Description
Search Specification **(O)**	Specifies a conditional expression that Siebel CRM uses to restrict the records it gets for this business component. You can enter a maximum of 255 characters in this property.
Sort Specification **(O)**	Specifies the sort expression that Siebel CRM uses to sort the records it gets from the server database. If the business component references any class other than CSSBusComp, then Siebel CRM might disable the sort specification. For performance reasons, the Application Object Manager ignores the sort specification property for the All view mode and the Manager view mode. You cannot define a sort specification on an administrative list. The user can sort records after the first query. To improve performance, Siebel CRM requires the user to filter for a smaller record set. You can enter a maximum of 255 characters in this property. For more information, see "Business Component User Prop" on page 125.
Status Field **(O)**	Specifies the name of a field that contains the value that determines the New status for a record. If this field value is: ■ **TRUE.** The record is new and no user has viewed it. ■ **FALSE.** A user has viewed the record. You use this property with the visibility properties of the business component, such as the Visibility MVLink property and the Position Visibility Field property.
Synonym Field **(O)**	Specifies the field that contains synonyms for the business component. If this property includes a value, then any bounded picklist that the business component contains searches these synonyms.
Table **(R)**	Specifies the name of the primary SQL table where Siebel CRM gets records for this business component. The table name is case-sensitive. It must use the same format that it uses in the Siebel database. A virtual business component does not use this property.

Table 60. Properties of the Business Component

Property	Description
Type	You can use one of the following values: ■ **Transient.** Save data only when the task UI commits it. You use this value only with a task UI. ■ **Non-Transient.** Save data in an underlying table. You use this value with any business component that a task UI does not reference. For more information, see *Siebel Business Process Framework: Task UI Guide*.
Upgrade Ancestor	For more information, see "Common Object Properties" on page 15.
XA Attribute Value BusComp **(O)**	Specifies the child business component that contains the attribute values for this business component. This property enables extended dynamic attributes for this business component.
XA Class Id Field **(O)**	Specifies the field that this business component references that contains the class data.

Restrictions on Inserts, Updates, and Deletes

An insert, update, or delete operation affects data in the table that the Table property of a business component references. It does not affect data in a table that a join references.

How Siebel CRM Persists a Business Component Instance

Siebel CRM ends the persistence of a business component instance when the business object instance that references this business component instance ends.

Configuring the Cache Data Property of a Business Component

If Siebel CRM caches data for a business component, and if it modifies the contents of this cache, then this business component might reference obsolete data. This problem might occur in the following situations:

- A user modifies some data through another business component. For example, the user modifies data through a business component that uses a multivalue link.
- Another user modifies data while the user who first modified this data is still connected.

For this reason, it is recommended that you configure Siebel CRM to use caching only with static data, such as a list of values or a product. Do not configure Siebel CRM to use caching with data that the user might modify frequently, such as accounts or opportunities. If you do this, then the client cache might not remain synchronized with data in the server database.

It is recommended that you do not set the Cache Data property of a business component to TRUE and also set the Use Primary Join property of a multi value link to TRUE. If Siebel CRM modifies the primary record of a multivalue group business component in this situation, then it might not update data for the cached parent.

Configuring a Multivalue Group Business Component

You can use the Maximum Cursor Size property and the PreFetch Size property with a multivalue group business component. These properties are available only with a DB2 UDB database. The following items affect the number of rows that Siebel CRM returns for the first operation that a multivalue group business component performs:

- If the multivalue group business component uses aggregation, then it reads every record. The sum function and the count function are examples of aggregation.
- A multivalue group business component attempts to make the primary record the current record. Siebel CRM loads records until it finds the primary record. For example, if the primary record is the 4,000th record, then it loads 4,000 records. To prevent this configuration, you can use a detail view instead of a multivalue group. For example, you can use the Contact - Address detail view with the Contact in the top applet and a list of addresses in the bottom applet.

Business Component User Prop

A business component user prop sends a property value to the C++ code that implements specialized business component configuration. If you configure the value for a user property, then Siebel CRM persists this value in the Siebel Repository File. For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Business Component User Prop

Table 61 describes properties that Siebel CRM uses with a business component user prop.

Table 61. Properties of the Business Component User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

How a Business Component User Property Might Affect View Modes

Sometimes it might seem that Siebel CRM ignores the All view mode and the Manager view mode in the client. In this situation, the All Mode Sort business component user property might control the configuration for these modes. For more information about this user property, see *Siebel Developer's Reference*. For information about virtual business components, see *Siebel Developer's Reference* or *Overview: Siebel Enterprise Application Integration*.

Field

A field defines a business component field. The fields in a business component record include entries from a single value field or a multi value field. Siebel CRM evaluates required fields in alphabetical order according to the parent business component. For example, assume two required fields named Alpha and Omega exist on an applet and that these fields reference a business component field. Siebel CRM processes Alpha first and then Omega.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Field

Table 62 describes properties that Siebel CRM uses with a field.

Table 62. Properties of the Field

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM gets values from the business component to calculate the field value rather than getting values from the server database.
Calculated Value **(O)**	Specifies the expression Siebel CRM uses to calculate the field value if the Calculated property is TRUE.
Column **(R)**	Specifies the table column name. Other objects that reference this field can reference it through the column name. This property is not used or required for the following items: ■ Calculated fields ■ Multi-value fields ■ Fields in a virtual business component The column name is name is case-sensitive. It must use the same format that it uses in the Siebel database.
Currency Code Field **(O)**	Specifies the name of the currency code field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default field name is Currency Code.
Dest Field **(O)**	Specifies a field in the destination business component that is defined in the Multi Value Link field. Siebel CRM uses the Dest Field property only if the Multi Valued property is TRUE If the Multi Valued property is FALSE, the Siebel CRM ignores the Dest Field property.

Table 62. Properties of the Field

Property	Description
Disable Search	You can use one of the following values: ■ **TRUE.** The user cannot use this field to search in the client. ■ **FALSE.** The user can use this field to search in the client.
Disable Sort	You can use one of the following values: ■ **TRUE.** The user cannot use this field to sort in the client. ■ **FALSE.** The user can use this field to sort in the client.
Exchange Date Field **(O)**	Specifies the name of the exchange date field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default field name is Exchange Date.
Force Active **(O)**	If TRUE, then to get the field value, Siebel CRM queries the Siebel database each time it instantiates the parent business component. It does this even if it does not display this field in the client. You must set the Force Active property to TRUE only if you must script a field in the active business component, and only if Siebel CRM does not display this field in the active applet. Setting this property to TRUE might reduce performance.
Force Case **(O)**	Specifies the case for the field value. You can use one of the following values: ■ UPPER ■ LOWER ■ FIRSTUPPER
Hidden **(O)**	If TRUE, then the field is not visible to a dynamically created list view, such as the view that the forecasting module uses. Siebel CRM uses this property to support only specialized functionality. It does not support general configuration. The default value of the Hidden property is one of the following: ■ TRUE for a business component that uses the DTYPE_ID data type. ■ FALSE for business components that do not use the DTYPE_ID data type.
Immediate Post Changes **(O)**	For more information, see "Configuring the Immediate Post Changes Property of a Field" on page 132.
Internal Pick Applet **(O)**	Specifies a pick applet that Siebel Tools displays for a workflow process. You can set the conditions for the Decision Point step in a workflow process to use values from business component fields. You can use the Internal Pick Applet property to specify the applet that this user interface displays.

Table 62. Properties of the Field

Property	Description
Join **(O)**	Specifies the name of the join object definition that this field uses. Siebel CRM uses this join to get data from the table that the join defines. The value in the Join property corresponds to the Name property of this join. For more information, see "Join" on page 137.
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in the child business component.
Message Display Mode	Specifies the data to display if a validation failure occurs. You can use one of the following values: ■ **User Msg.** Display only the validation message. ■ **User Msg with Error Code Only.** Display the validation message and a Siebel error code in the following format: SBL-xxx-yyy ■ **User Msg with Error Code / Msg.** Display the validation message, Siebel error code, and the default error message.
Multi Value Link **(O)**	Depends on the following value of the Multi Valued property of this field: ■ **TRUE.** The Multi Value Link property specifies the multivalue link for this field. ■ **FALSE.** Siebel CRM ignores the Multi Value Link property.
Multi Valued **(O)**	You can use one of the following values: ■ **TRUE.** This field is a multivalue field. ■ **FALSE.** This field is a single value field.
Name **(R)**	Specifies the name for this field. Other objects reference this field through this Name property. You must not modify the name of a predefined field. Doing this can create upgrade problems and might affect intended configuration. The name can include spaces. It must be unique in the business component.

Table 62. Properties of the Field

Property	Description
No Copy **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not copy the field value to the newly created record during a Based On Last operation. ■ **FALSE.** Siebel CRM copies the field value to the newly created record during a Based On Last operation. If you set the No Copy property to false for a field that Siebel CRM derives from a joined table, then you must make sure that No Copy in the join field is also set to FALSE. The Source Field property in the join specification identifies this join field. If you do not do this, then Siebel CRM displays the new record. It does this to copy the fields from the joined table. If the record is required, then it does not populate the fields. This situation occurs only in a Based On Last operation.
Oracle Sequence Object **(O)**	Specifies the name of an Oracle sequence object. If Siebel CRM creates a new record, then it uses this sequence for this field. You must manually create the Oracle sequence object in the Oracle Database. This is an exception to the normal way that you configure an Oracle sequence object. Siebel Remote does not support an Oracle sequence object.
PickList **(O)**	Specifies the name of a picklist object definition that Siebel CRM uses to display a list of valid values that the user can choose.
Post Default Value **(O)**	Specifies the field value that Siebel CRM inserts in this field if it is empty the first time Siebel CRM writes it to the Siebel database. Note the following: ■ Siebel CRM inserts the post default value even if it does not display this field in the client. ■ If this field is empty during a subsequent update of this field, then Siebel CRM does not insert this post default value. ■ Siebel CRM does not validate the value that the Post Default Value property contains for a calculated field. ■ Siebel CRM limits the value in the Post Default Value property to 255 characters. ■ To make sure the configuration in the linked field of a child business component works correctly, the Link Specification property must be TRUE on the parent business component.

Table 62. Properties of the Field

Property	Description

Pre Default Value **(O)**	Specifies the field value that Siebel CRM inserts in this field when it creates a new record through an Add New Record or Copy Record operation. Note the following:
	■ The user can modify this value before Siebel CRM writes the record to the Siebel database.
	■ Siebel CRM inserts the predefault value even if it does not display this field in the client.
	■ Siebel CRM does not validate the value that the Pre Default Value property contains for a calculated field.
	■ Siebel CRM limits the value in the Pre Default Value property to 255 characters.
	■ If a predefault value expression depends on other fields, then these fields must be populated when Siebel CRM evaluates this expression. For example, the following predefault value works because Siebel CMR populates the Row Id or Id field when it initializes the record:
	`Expr: Field 'ID'`
	The following predefault value does not work because Siebel CRM populates the Picklist Field after it initializes the record:
	`Expr: Field: 'picklist_field_name'`
	This situation is true for a Copy Record operation only if the NoCopy property is TRUE.

Precision **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.

Table 62. Properties of the Field

Property	Description
Read Only **(O)**	If TRUE, then the user cannot modify the field value for this field. A field that references a joined table is typically read-only with the following exceptions: ■ A join to an extension table ■ A join to an active intersection table Some fields are read-only even if the Read Only property is FALSE. The Effective Start Date field for the following business components is read-only: ■ Account Product ■ Promotion ■ Promotion Account ■ Promotion Account Product ■ Promotion Administration ■ Promotion Product For more information, see "Join" on page 137.
Required **(O)**	If TRUE, then Siebel CMR writes the field value to the Siebel database only if this field contains a value.
Scale **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
Text Length **(O)**	Specifies the maximum length of text that the field can contain. Siebel CRM typically ignores this property. It typically gets the length from the table column that this field references. If a Text field includes a user property named Text Length Override, then Siebel CRM does not ignore the Text Length property.
Type **(R)**	Specifies the field data type. For more information, see "Configuring the Type Property of a Field" on page 133.

Table 62. Properties of the Field

Property	Description
Validation **(O)**	Specifies the expression that Siebel CRM uses to validate the data that the user enters in this field. Note the following: ■ You can use the Validation property only with a single value field. You cannot use it with a multivalue field. ■ Siebel CRM limits the value in the Validation property to 255 characters.

Validation Message **(O)**	Specifies to override the default validation message that the Application Object Manager provides. For example, if a user enters 250 in a field, and if this value must not exceed 200, then the Application Object Manager displays the following validation message:
	`Incorrect fields values: field_name <= 200.`
	The user might not understand this message. To improve it, you can use the Validation Message property to configure Siebel CRM to display the following message:
	`Please enter a value under 200 for the field_name field.`
	For more information about validation messages, see the description for the Message Display Mode property.

Configuring the Immediate Post Changes Property of a Field

You can set the Immediate Post Changes property to one of the following values:

- **TRUE.** Siebel CRM immediately saves the field value to the Siebel Server. For example, if a user modifies a field value and then tabs to the next field in the same record, then Siebel CRM immediately saves this new value to the Siebel Server and then refreshes the data that it displays in the client. To do this, it makes a round trip to the Siebel Server and calls a PreSetFieldValue browser script event. For more information about this event, see *Siebel Object Interfaces Reference*.
- **FALSE.** Siebel CRM does not immediately save the field value to the Siebel Server. For example, if a user modifies a field value and then tabs to the next field in the same record, then Siebel CRM does not save this new value to the Siebel Server. The default value is FALSE.

Situations Where You Must Set the Immediate Post Changes Property to True

Setting the Immediate Post Changes property to TRUE might negatively affect performance. You typically set it to TRUE only to support the following configurations:

- **Calculated field.** For example, assume field B is a calculated field that uses values from field A. The Application Object Manager on the server does the calculation for a calculated field. If Siebel CRM modifies the value in field A, then it must do a server round trip to calculate and display the new value for field B. To allow this round trip, you must set the Immediate Post Changes property for field A to TRUE. You do not set it to TRUE for field B because Siebel CRM is not required to do a round trip if it modifies the value in field B.

  If the user modifies a value in a field, then Siebel CRM must run the code that the following event handlers contain on the Siebel Server:

  - BusComp_PreSetFieldValue performs a validation
  - BusComp_SetFieldValue causes some other action to occur after Siebel CRM validates a value

  If the Immediate Post Changes property is FALSE, then Siebel CRM does not run the code on the Siebel Server until the next time it performs a server round trip. If the PreSetFieldValue event finds a problem with the field value, and if the Immediate Post Changes property is FALSE, then Siebel CRM does not notify the user that a problem exists until the next time it performs a server round trip. For more information about event handlers, see *Siebel Object Interfaces Reference*.

- **Constrained drop-down list.** Assume the following constraints exists:

  If field A = Y, then field B can contain Y1, Y2, Y3.

  If field A = Z, then field B can contain Z1, Z2, Z3.

  In this example, Siebel CRM cannot populate the picklist for field B until the user chooses field A. To get the values for field B, it must perform a server round trip after the user chooses field A. To allow this round trip, you must set the Immediate Post Changes property for field A to TRUE. You do not set it to TRUE for field B because Siebel CRM is not required to do a round trip if it modifies the value in field B.

Configuring the Type Property of a Field

The Type property of a field corresponds to the physical type of the table column that resides in the Siebel database:

- The value in the Type property includes a DTYPE_ prefix.
- You must use the data types that come predefined with Siebel CRM.
- If you configure Siebel CRM to map a column to a data type, then you must make sure you configure it to use a similar type. For example, Siebel CRM can map an integer column to the DTYPE_INTEGER data type. It cannot map an incompatible type. For example, it cannot map a Long column to the DTYPE_BOOL data type.

Table 63 describes the data types that Siebel CRM supports for a field.

Table 63. Data Types That Siebel CRM Supports for the Field

Data Type	Description
DTYPE_BOOL	This data type includes the following qualities: ■ Stores Boolean data, such as Y or N. ■ Mapped to a column that uses a Character(1) physical type and length. ■ Typically displayed as TRUE or FALSE, or checked or unchecked.
DTYPE_CURRENCY	This data type includes the following qualities: ■ Stores currency data. ■ Mapped to a column that uses a Number physical type.
DTYPE_DATE	This data type includes the following qualities: ■ Stores date data. It ignores other saved data, such as time. ■ Mapped to a column that uses a Date physical type.
DTYPE_DATETIME	This data type includes the following qualities: ■ Stores date and time data. ■ Mapped to a column that uses a DateTime physical type.
DTYPE_ID	This data type includes the following qualities: ■ Stores a key that Siebel CRM creates. ■ Mapped to a column that uses a Varchar(15) physical type and length.
DTYPE_INTEGER	This data type includes the following qualities: ■ Stores integer data. ■ Mapped to a column that uses a Number physical type.
DTYPE_NOTE	This data type includes the following qualities: ■ Stores long string data. ■ Mapped to a column that uses a Long physical type.
DTYPE_NUMBER	This data type includes the following qualities: ■ Stores number data. ■ Mapped to a column that uses a Number physical type.
DTYPE_PHONE	This data type includes the following qualities: ■ Stores phone number data. ■ Mapped to a column that uses a Varchar(40) physical type and length.

Table 63. Data Types That Siebel CRM Supports for the Field

Data Type	Description
DTYPE_TEXT	This data type includes the following qualities: ■ Stores string data. ■ Mapped to a column that uses a Varchar physical type. ■ Uses upper and lower case text that the user enters. ■ The ForceCase property on a field can force text to Upper, Lower, or FirstUpper case.
DTYPE_TIME	This data type includes the following qualities: ■ Stores time data. ■ Mapped to a column that uses a Time physical type. ■ Siebel CRM ignores other saved data, such as date.
DTYPE_UTCDATETIME	Specifies the time as Greenwich mean time (GMT). For more information, see *Siebel Global Deployment Guide*.

Properties of the Field Object Type That Siebel CRM Supports for a Virtual Business Component

Table 64 describes the properties of a field that Siebel CRM supports in a virtual business component.

Table 64. Field Properties That Siebel CRM Supports for a Virtual Business Component

Properties That Siebel CRM Supports	Properties That Siebel CRM Does Not Support
Siebel CRM supports the following properties of a field in a virtual business component: ■ Calculated ■ Calculated Value ■ Currency Code Field ■ Exchange Date Field ■ Force Case ■ Hidden ■ Internal Pick Applet ■ Link Specification ■ Pick List ■ Post Default Value ■ Pre Default Value ■ Precision ■ Read Only ■ Required ■ Scale ■ Text Length ■ Type	Siebel CRM does not support the following properties of a field in a virtual business component: ■ Column ■ Dest Field ■ Force Active ■ Join ■ Link Specification ■ Multi Value Link ■ Multi Valued ■ No Copy ■ Oracle Sequence Object ■ Validation

Field Locale

A field locale defines language overrides that Siebel CRM uses with a field.

This object type occurs in the following location in the object hierarchy:

Siebel Objects > Business Component > Field > Field Locale

Table 65 describes properties that Siebel CRM uses with a field locale.

Table 65. Properties of the Field Locale

Property	Description
Validation Message **(R)**	Specifies the language text that Siebel CRM displays if validation fails. The Validation property on the parent field determines validation. You can specify an error message. Siebel CRM displays this message in the client. It uses the language that the Language Code property specifies.

Field User Prop

A field user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File. For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Field > Field User Prop

Table 66 describes properties that Siebel CRM uses with a field user prop.

Table 66. Properties of the Field User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(O)**	Specifies the value of the user property.

Join

A join defines the logical join between the table that a business component references and another table. Siebel CRM can update an implicit joined field. It cannot update an explicit join. For a complete explanation of restrictions on left, self, and simple joins, see an SQL language reference manual.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Join

Table 67 describes properties that Siebel CRM uses with a join.

Table 67. Properties of the Join

Property	Description
Name **(R)**	Specifies the name of the join object definition. This value defaults to the table that the Table property specifies. If two joins to the same table exist, then you must modify the name of one of these joins.
Outer Join Flag **(O)**	You can use one of the following values: ■ **TRUE.** Indicates a left outer join. Siebel CRM applies an outer join to the table that the Table property of the join defines. It receives values even if the join returns no values. ■ **FALSE.** Indicates an inner join.
Table **(R)**	Specifies the name of an SQL table. This name is case sensitive. It must use the same format that the table name uses in the Siebel database.

Join Constraint

A join constraint is a constant value search specification that Siebel CRM applies to a column during a join. Outer joins use it.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Business Component > Join > Join Constraint

Table 68 describes properties that Siebel CRM uses with a join constraint.

Table 68. Properties of the Join Constraint

Property	Description
Destination Column **(O)**	Specifies the column of a destination table. Siebel CRM to applies the constraint to this destination table. For example, you can use the following value: `LANG_CD`

Table 68. Properties of the Join Constraint

Property	Description
Name **(R)**	Specifies the name of the join constraint.
Value **(O)**	Specifies a constant value or constant function that is not empty, such as LoginId, PositionId, or DivisionId. For example, you can specify the following value: `Language()` You can specify GetProfileAttr. A profile attribute can be persistent or dynamic. If it is dynamic, then this Value property must contain a value before Siebel CRM uses the join. If this property does not contain a value, then GetProfileAttr returns a null value and the join fails.

Join Specification

A join specification specifies the columns to join from the tables on the left side and the right side of a join.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Join > Join Specification

Table 69 describes properties that Siebel CRM uses with a join specification.

Table 69. Properties of the Join Specification

Property	Description
Destination Column **(O)**	Specifies the name of the column in the destination table that Siebel CRM uses for the join. This name is case-sensitive. It must use the same format that it uses in the Siebel database. If the join occurs on a column other than the ROW_ID column, then the Destination Column property is required.

Table 69. Properties of the Join Specification

Property	Description
Name **(R)**	Specifies the name of the join specification object definition, which must be unique in the join. The name defaults to the Source Field value for the join specification. By default, the name of a join specification is the name of the source field specified for the object definition. You must not modify this value unless two join specification object definitions exist for the same join that use the same source field. The merge and upgrade utility uses this field to determine matching entries. For more information about the join specification, see *Configuring Siebel Business Applications*.
Source Field **(O)**	Specifies the name of a field. Siebel CRM uses this field to join the destination table. Note the following: ■ This field resides in the parent business component of the join object definition. ■ The Source Field property must reference a field that defines a database column. A computed field is an example of a field that does not reference a database column. You cannot use it as the source field for a join specification. ■ This field must be a foreign key to the Destination Column. ■ If the join occurs on a field other than the ID field, then the Source Field property is required.

Multi Value Field

A multi value field displays the child records of a parent record. If the user clicks a multivalue field, then Siebel CRM displays these child records.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Business Component > Multi Value Field

Table 70 describes properties that Siebel CRM uses with a multi value field.

Table 70. Properties of the Multi Value Field

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM uses business component data to calculate the field value.
Field **(R)**	Specifies the name of a single-value field in the child business component that the multivalue link references. This field must be visible in a list applet. To avoid performance problems, it is recommended that you do not specify a multivalue field from another business component in this property. If you must specify a multivalue field from another business component, then get help from Oracle. For more information, see "Object Types That You Must Not Modify" on page 19.
Force Active **(O)**	If TRUE, then Siebel CRM gets the field value from the Siebel database.
Hidden **(O)**	If TRUE, then Siebel CRM does not display this multivalue field in any list view that it dynamically creates at runtime. The default value is one of the following: ■ TRUE for a business component data type of DTYPE_ID ■ FALSE for any business component data type that is not DTYPE_ID
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in the child business component. This configuration is required to support any business component that Siebel CRM uses as the child of a link from this business component, and if this child uses the Parent type of default values and expects to receive a value.
Multi Value Link **(R)**	Specifies the name of the multivalue link that Siebel CRM uses when it gets data.
Name **(R)**	Specifies the name of this multivalue field. The name must be unique in the business component. It can contain spaces. To reference this multivalue field, other objects use this name.
No Copy **(O)**	If TRUE, then Siebel CRM does not copy the value that this multivalue field contains into the newly created record during a Based On Last operation. Also, if one of the following objects for this multivalue field specifies No Copy as TRUE, then Siebel CRM does not copy this value: ■ The multi value link ■ The source field

Table 70. Properties of the Multi Value Field

Property	Description
PickList **(O)**	Specifies the name of a picklist that Siebel CRM uses to display a list of values that the user can choose.
Read Only **(O)**	If TRUE, then the user cannot modify the value of this multivalue field.
Required **(O)**	Not used.

Multi Value Link

A multi value link gets the records that Siebel CRM displays through a multivalue field.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Multi Value Link

Table 71 describes properties that Siebel CRM uses with a multi value link.

Table 71. Properties of the Multi Value Link

Property	Description

Auto Primary **(O)**	Specifies how Siebel CRM populates row ID values in the primary ID field. You can use one of the following values:
	■ **DEFAULT.** Automatically set the first record as the primary.
	■ **NONE.** Require the user to manually set the primary.
	■ **SELECTED.** Use the primary that the user chooses in a multivalue list to set the primary for other lists. For example, if the user chooses a primary Shipping Address, then Siebel CRM also sets this address as the primary Billing Address. Siebel CRM does the following:
	  ■ Sets these primary values only if the primary is not set.
	  ■ Does not set a value if a primary already includes a value.
	  ■ Uses SELECTED only if more than one multivalue link references the same detail business component.

Check No Match **(O)**	Specifies how to set the primary if the foreign key field in the parent business component contains a value of No Match. You can use one of the following values:
	■ **TRUE.** It runs a separate query. If the Auto Primary property of this multivalue link is:
	  ■ **Default.** It sets the first record as the primary.
	  ■ **SELECTED.** It determines if another multivalue link to this business component indicates a primary record. If it does, then Siebel CRM sets this record as the primary of this multivalue link.
	■ **FALSE.** It does not run a separate query.
	For more information, see the topic about using the Check No Match property with a primary join in *Configuring Siebel Business Applications*. See the topic about how the Check No Match property impacts performance in *Siebel Performance Tuning Guide*.

Destination Business Component **(R)**	Specifies the name of the child business component.
Destination Link **(R)**	Specifies the name of the link that Siebel CRM uses.

Table 71. Properties of the Multi Value Link

Property	Description
Name **(R)**	Specifies the name for this multivalue link. Note the following: ■ Other objects use this name to reference this multivalue link. ■ The name must be unique among the multivalue links for this business component. ■ The name can contain spaces. ■ The name cannot contain numbers or special characters.
No Associate **(O)**	If TRUE, then Siebel CRM does not create associations through this multivalue link. It can add new detail records. If the current view is in Admin Mode, then Siebel CRM ignores the No Associate property.

No Copy **(O)**	You can use one of the following values:
	■ **TRUE.** Siebel CRM does not copy child records through this multivalue link.
	■ **FALSE.** Siebel CRM does the following:
	  ■ Copies child records through this multivalue link.
	  ■ Only copies records that are directly related to this multivalue group. The copy operation on the child business component might fail due to a unique index violation.
	  ■ If the No Copy property of a multivalue link on a child business component is FALSE, then Siebel CRM ignores it and does not use the Deep Copy feature to copy grandchild records.

No Delete **(O)**	If TRUE, then the user cannot delete records associated with this multivalue link.
No Insert **(O)**	If TRUE, then the user cannot insert records associated with this multivalue link.
No Update **(O)**	If TRUE, then the user cannot update records associated with this multivalue link.
Popup Update Only **(O)**	If TRUE, then Siebel CRM displays the multivalue group window for any of the multivalue group values that it must update.
Primary Id Field **(O)**	Specifies the name of the field in the master business component that contains the row ID values that reference the primary records in the detail business component.

Table 71. Properties of the Multi Value Link

Property	Description
Source Field **(O)**	Specifies the name of a source field that Siebel CRM uses to link the child business component with the source business component. The source business component is the business component that includes the object definition for the multivalue link. If the source field is different from the Id, then the Source Field property is required.
Type Field **(O)**	Specifies the name of a field in the DestBusComp business component that Siebel CRM uses as a filter to get a subset of records. It uses this property with the Type Value property.
Type Value **(O)**	Specifies the data value that Siebel CRM uses to filter a subset of records.
Use Primary Join **(O)**	You can use one of the following values: ■ **TRUE.** Run a primary join that uses the value in the Primary Id Field property to get the data for the primary child. To get the value for a nonprimary multivalue field, the user must type EXISTS in the query. ■ **FALSE.** Run the second query that gets all child records. Siebel CRM automatically creates the EXISTS query. If the Cache Data property of the business component is TRUE, then you must not set the Use Primary Join property to TRUE. For more information, see the description for the Cache Data property in the "Business Component" on page 117 topic.

MVF Pick Map

An MVF pick map specifies instructions for copying fields when a drop-down list is used by a field in a business component.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Business Component > Multi Value Field > MVF Pick Map

Table 72 describes properties that Siebel CRM uses with a MVF pick map.

Table 72. Properties of the MVF Pick Map

Property	Description
Constrain **(O)**	You can use one of the following values: ■ **TRUE.** Defines the MVF pick map as a constraint pick map. ■ **FALSE.** Defines the MVF pick map as a copy pick map. For more information, see "About Copy and Constraint Pick Maps" on page 148.
Field **(R)**	Specifies the field in the parent business component that Siebel CRM uses with this MVF pick map. To constrain a picklist on a multivalue field: ■ You cannot use a field in the parent business component. ■ You can only use a multivalue field that resides in the detail business component.
No Clear **(O)**	You can use one of the following values: ■ **TRUE.** If the user does not pick a value from the drop-down list, then do not set the field that the Field property specifies to NULL. ■ **FALSE.** Delete any value that exists in the field that the Field property specifies. If the drop-down list is not bound, then Siebel CRM does not delete these field values.
Pick List Field **(O)**	Specifies the field in the picklist business component Siebel CRM uses with this MVF pick map.

MVF Pick Map UpdOnlyIfNull

An mvf pick map updonlyifnull marks a copy pick map to perform the copy operation only if the field that the pick map specifies is not empty. A constrain pick map also copies a pick map. If the constraint is active, then this configuration results in no operation. If an mvf pick map updonlyifnull causes Siebel CRM to ignore the constraint, then the copy operation works. To avoid the copy operation, you can use a calculated field as the field for the constrain pick map.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Business Component > Multi Value Field > MVF Pick Map > MVF Pick Map UpdOnlyIfNull

Table 73 describes properties that Siebel CRM uses with an mvf pick map updonlyifnull.

Table 73. Properties of the MVF Pick Map UpdOnlyIfNull

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines for a NULL value before it does the copy operation that the parent pick map specifies.

Pick Map

A pick map specifies how to copy fields if a field uses a picklist. You cannot use a field in the parent business component to constrain a picklist on a multivalue field. You can only use a multivalue field that the detail business component includes.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Field > Pick Map

Table 74 describes properties that Siebel CRM uses with a pick map.

Table 74. Properties of the Pick Map

Property	Description
Constrain **(O)**	You can use one of the following values: ■ **TRUE.** Define the pick map as a constraint pick map. ■ **FALSE.** Define the pick map as a copy pick map. For more information, see "About Copy and Constraint Pick Maps" on page 148.
Field **(R)**	Specifies a field in the parent business component that this pick map references.
No Clear **(O)**	Specifies how to set the Field property if the user does not choose a value from the picklist. You can use one of the following values: ■ **FALSE.** The Field property is NULL. ■ **TRUE.** The Field property is not set to NULL.
Pick List Field **(O)**	Specifies the field in the picklist business component that this pick map references.
Sequence **(O)**	Specifies the order that Siebel CRM uses to copy the field values back to the business component after the user picks a row. This property can contain only an integer. If Siebel CRM can get the Pick List Source Id, then it ignores the Sequence property.

About Copy and Constraint Pick Maps

Siebel CRM can use the following types of pick maps:

- **Constraint pick map.** Siebel CRM applies the value from a field in the parent business component as a search specification on a field in the picklist business component.
- **Copy pick map.** Siebel CRM copies the value of a field in the picklist business component to a field in the parent business component.

The Pick List Field property specifies the field in the picklist business component. The Field property specifies the field in the parent business component.

Pick Map UpdOnlyIfNull

A pick map updonlyifnull configures a copy pick map to do a copy operation only if the values of the fields that the updonlyifnull pick map specifies are empty. For more information, see "Pick Map" on page 147.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Field > Pick Map > Pick Map UpdOnlyIfNull

Table 75 describes properties that Siebel CRM uses with a pick map updonlyifnull.

Table 75. Properties of the Pick Map UpdOnlyIfNull

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines for the empty condition before it does the copy operation that the parent pick map specifies. Each pick map object definition includes a child object definition of type Pick Map UpdOnlyIfNull. If you add one of these child object definitions to the pick map that constrains the picklist, and if the constraining value is NULL, then Siebel CRM ignores the constraint. If a picklist field that is not empty exists, then this field returns records and Siebel CRM displays these records. If the value of the constraining field is empty, and if the values of the fields that the Pick Map UpdOnlyIfNull constraint pick map specifies are empty, then this Pick Map UpdOnlyIfNull works like a copy pickmap. To disable the constraint if the constraining field value is empty, you can use a calculated field as the field for the constraint pickmap. Siebel CRM disables the constraint only if the following situations are true: ■ The field that the parent constraint pick map references is empty. ■ The field that this Pick Map UpdOnlyIfNull references is empty.

Single Value Field

A single value field defines properties for a single value field.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Business Component > Single Value Field

Table 76 describes properties that Siebel CRM uses with a single value field.

Table 76. Properties of the Single Value Field

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM calculates the value for this field.
Calculated Value **(O)**	Specifies an expression that Siebel CRM uses to calculate value for this field.

Table 76. Properties of the Single Value Field

Property	Description
Column **(R)**	Specifies the name of a database table column. This name is case-sensitive. It must use the same format that it uses in the Siebel database. The Column property is not allowed for a calculated field. It is required for a field that Siebel CRM does not calculate.
Currency Code Field **(O)**	Specifies the name of the currency code field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default value is Currency Code.
Exchange Date Field **(O)**	Specifies the name of the exchange date field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default value is Exchange Date.
Force Active **(O)**	If TRUE, then Siebel CRM gets the data value from the Siebel database. For best performance, it is recommended that you set the Force Active to FALSE in most situations. This property does not affect how browser script references or uses the value that this field contains.
Force Case **(O)**	Specifies the case for the field value. You can use one of the following values: ■ UPPER ■ LOWER ■ FIRSTUPPER
Hidden **(O)**	If TRUE, then Siebel CRM does not display this field in any list view that it creates dynamically at runtime. If business component data is: ■ Of type DTYPE_ID, then the default value is TRUE. ■ Not of type DTYPE_ID, then the default value is FALSE.
Join **(O)**	Specifies the name of the join that this field uses. Siebel CRM uses this name only if the field value it gets is from the table that the join defines. For more information, see "Join" on page 137.

Table 76. Properties of the Single Value Field

Property	Description
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in a child business component. If a business component is a child of this link, and if this business component uses the Parent type of default value, and if it expects to get a value, then a link specification is required. For performance reasons, it is recommended that you set the Link Specification property TRUE only if Siebel CRM must predefault the parent value to the child value through the link. This configuration requires Siebel CRM to get the column value any time that this object is active. It is similar to the configuration that Siebel CRM uses for the ForceActive property. This property does not affect how browser script references or uses the value that this field contains.
Message Display Mode	Specifies the details that Siebel CRM displays in the validation message. You can use one of the following values: ■ **User Msg.** Display only the message that you define in Siebel Tools. ■ **User Msg with Error Code Only.** Display the message and the error code that the Application Object Manager returns. ■ **User Msg with Error Code / Msg.** Display the message that you define in Siebel Tools Display. Also display the message and the error code that the Application Object Manager returns.
Name **(R)**	Specifies a name for this field. This name must be unique in the business component. It can contain spaces. Other objects use this name to reference this field.
No Copy **(O)**	If TRUE, then Siebel CRM does not copy the field value to the new record during a Based On Last operation.
Oracle Sequence Object **(O)**	Specifies the name of an Oracle sequence object. It determines the sequence that Siebel CRM uses for field defaults when it creates a new record.
PickList **(O)**	Specifies the name of a picklist that Siebel CRM uses to display a list of valid values that the user can choose.
Post Default Value **(O)**	Specifies a value that Siebel CRM uses for this field if the user does not enter a value and saves the record. Siebel CRM does not validate this value for a calculated field. The Post Default Value property can contain no more than 255 characters.

Table 76. Properties of the Single Value Field

Property	Description
Pre Default Value **(O)**	Specifies the value that Siebel CRM uses for an empty field if an Add New Record or Copy Record operation creates a new record. The user might modify this value before Siebel CRM writes it to the Siebel database. Siebel CRM does not validate this value for a calculated field. The Post Default Value property can contain no more than 255 characters.
Precision **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
Read Only **(O)**	If TRUE, then the user cannot modify the field value. Some fields are read-only even if the Read Only property is FALSE. For example, the Effective Start Date field for the following business components is read-only: ■ Account Product ■ Promotion ■ Promotion Account ■ Promotion Account Product ■ Promotion Administration ■ Promotion Product In general, a field that references a joined table is read-only. There are two exceptions to this rule: ■ The join references an extension table. ■ The join references an active intersection table. For more information, see "Join" on page 137.
Required **(O)**	If TRUE, then the user must enter a value in this field before Siebel CRM can write the record to the Siebel database. For information about how you can use a user property to control required according to an expression, see *Siebel Developer's Reference*.
Scale **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
Text Length **(O)**	Specifies the maximum length of text that the user can enter in this field. Siebel CRM typically ignores this property. It gets the length from the underlying column definition.

Table 76. Properties of the Single Value Field

Property	Description
Type **(R)**	Specifies the data type for this field. You must make sure that the type you choose uses the same data type that the column uses. The Column property of this field specifies this column.
Validation **(O)**	Specifies the expression Siebel CRM uses to make sure the data that the user enters is correct. You can use validation only with a single value field. You cannot use it with a multivalue field. The Validation property can contain no more than 255 characters.

SVF Pick Map

An svf pick map specifies how to copy fields if another field uses a picklist.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Single Value Field > SVF Pick Map

Table 77 describes properties that Siebel CRM uses with an svf pick map.

Table 77. Properties of the SVF Pick Map

Property	Description
Constrain **(O)**	You can use one of the following values: **TRUE.** Defines this SVF pick map as a constraint pick map. **FALSE.** Defines this SVF pick map as a copy pick map. For more information, see "About Copy and Constraint Pick Maps" on page 148.
Field **(R)**	Specifies the field in the parent business component that this SVF pick map uses.
No Clear **(O)**	Specifies how to set the Field property if the user does not choose a value from the picklist. You can use one of the following values: **FALSE.** Set the Field property to NULL. **TRUE.** Do not set the Field property to NULL.
Pick List Field **(O)**	Specifies the field in the picklist business component that this SVF pick map uses.

SVF Pick Map UpdOnlyIfNull

An svf pick map updonlyifnull marks a copy pick map to perform the copy operation only if the field that the pick map specifies is not empty. A constrain pick map also copies a pick map. If the constraint is active, then this configuration results in no operation. If the UpdOnlyIfNull causes Siebel CRM to ignore the constraint, then the copy operation works. To avoid the copy operation, you can use a calculated field as the field for the constrain pick map.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Component > Single Value Field > SVF Pick Map > SVF Pick Map UpdOnlyIfNull

Table 78 describes properties that Siebel CRM uses with an svf pick map updonlyifnull.

Table 78. Properties of the SVF Pick Map UpdOnlyIfNull

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines to determine if the field is empty before it performs the copy operation that the parent pick map specifies.

Business Object Types

This topic describes the object type known as the Business Object and object types that are children of this object type. It includes the following topics:

- Business Object on page 154
- Business Object Component on page 155

Business Object

A business object organizes one or more business components according to functional requirements. For example, the Opportunity business object can reference the following business components:

- Opportunity
- Contact
- Product

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Object

Table 79 describes properties that Siebel CRM uses with a business object.

Table 79. Properties of the Business Object

Property	Description
Name **(R)**	Specifies the name of the business object. This name must be unique among business objects. It can include spaces but it cannot include special characters. To reference a business object, other objects reference this name.
Primary Business Component **(O)**	Specifies the parent business component of the business object.
Query List Business Component **(O)**	Specifies the name of the business component that Siebel CRM uses to save predefined queries for the business object.

Business Object Component

A business object component identifies a business component.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Object > Business Object Component

Table 80 describes properties that Siebel CRM uses with a business object component.

Table 80. Properties of the Business Object Component

Property	Description
BusComp **(R)**	Specifies the name of a business component. For example: `Contact`
Link **(O)**	Specifies the name of a link that Siebel CRM uses between two business components. If this property does not include a value, then Siebel CRM does not create a link. For example: `Account/Contact` For more information, see “Link” on page 211.
Name **(S)**	Specifies the name of the business object component. For example: `Contact`

Business Service Object Types

This topic describes the Business Service object type and object types that are children of this object type. It includes the following topics:

- Business Service on page 156
- Business Service Browser Script on page 158
- Business Service Locale on page 158
- Business Service Method on page 158
- Business Service Method Arg on page 159
- Business Service Method Arg Locale on page 160
- Business Service Method Arg User Prop on page 161
- Business Service Method Locale on page 161
- Business Service Server Script on page 162
- Business Service Subsystem on page 162
- Business Service User Prop on page 162

Business Service

A business service defines reusable business logic. You can configure the following types of business services:

- Built-in business service that you define in Siebel Tools. It can reference the predefined CSSService class or a specialized class. A specialized business service is for Oracle use only.
- Run-time business service that you define in the client.

You can use a business service as a reusable code library that Siebel CRM can call from another script.

To configure a business service, you can use properties and Siebel VB script or Siebel eScript script.

Starting with Siebel CRM version 8.0, if a business service uses the Web Client Automation Server or Browser Script, then you must use Siebel Tools to register this business service as an application user property. This configuration prevents a Service Not Found error. For more information about registering a business service, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service

Table 81 describes properties that Siebel CRM uses with a business service.

Table 81. Properties of the Business Service

Property	Description
Browser Class **(O)(H)**	Not used.
Cache **(O)**	You can use one of the following values: ■ **TRUE.** The business service instance exists until the user session finishes. ■ **FALSE.** Siebel CRM deletes the business service instance after it finishes running.
Class **(R)**	Specifies the class. If you create a business service, then you must set the Class property to CSSService. For example: `CSSService`
Display Name **(R)**	Specifies the name that Siebel CRM displays in the picklist.
External Use **(O)**	Specifies that Siebel CRM can use the business service in a script and test it in a simulator. If you create a business service, then you must set the External Use property to TRUE.
Hidden **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM hides the object. ■ **FALSE.** Siebel CRM does not hide the object.
Name **(R)**	Specifies the name of the business service.
Server Enabled **(S)**	You can use one of the following values: ■ **TRUE.** Siebel CRM enables the business service on the Siebel Server. In most situations, you must set the Server Enabled property to TRUE. ■ **FALSE.** Siebel CRM does not enable the business service on the Siebel Server.
State Management Type **(R)**	Specifies the state management type for a workflow process. For more information, see the description about the State Management Type property in Table 262 on page 343.
Web Service Enabled **(O)**	You can use one of the following values: ■ **TRUE.** Expose the business service as a Web service. ■ **FALSE.** Do not expose the business service as a Web service. For more information, see *Siebel CRM Web Services Reference*.

Business Service Browser Script

A business service browser script specifies the browser script that the business service uses. For more information, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Browser Script

Table 82 describes properties that Siebel CRM uses with a business service browser script.

Table 82. Properties of the Business Service Browser Script

Property	Description
Browser Group **(O)**	Not used.
Name **(S)**	Specifies a unique name for the script. To create a value for this property, Siebel Tools combines the values that the Browser Group property and the Procedure property contains. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(R)**	Specifies the text for the function.

Business Service Locale

A business service locale defines language overrides that Siebel CRM uses with a business service.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Locale

Table 83 describes properties that Siebel CRM uses with a business service locale.

Table 83. Properties of the Business Service Locale

Property	Description
Display Name **(R)**	Specifies the name that Siebel CRM displays in the picklist for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Business Service Method

A business service method defines functionality for a business service.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Method

Table 84 describes properties that Siebel CRM uses with a business service method.

Table 84. Properties of the Business Service Method

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays in various picklists.
Hidden **(O)**	You can use one of the following values: ■ **TRUE.** Do not display the business service method in picklists in the Workflow Process Designer. ■ **FALSE.** Display the business service method in picklists in the Workflow Process Designer.
Name **(R)**	Specifies the name of the business service method.

Business Service Method Arg

A business service method arg defines the arguments for a business service method.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Method > Business Service Method Arg

Table 85 describes properties that Siebel CRM uses with a business service method arg.

Table 85. Properties of the Business Service Method Arg

Property	Description
Data Type **(R)**	Specifies the data type of the business service method arg. To view the values you can use, click the Data Type property in Siebel Tools.
Display Name **(O)**	Specifies the name that Siebel CRM displays in the client.
Hidden **(O)**	You can use one of the following values: ■ **TRUE.** Hide the business service method argument. ■ **FALSE.** Display the business method argument.

Table 85. Properties of the Business Service Method Arg

Property	Description
Integration Object **(O)**	Specifies the name of the integration object that Siebel CRM uses for the business service method argument. To view the values you can use, click the Integration Object property in Siebel Tools. Siebel CRM uses this property only if the Data Type property is Integration Object.
Name **(R)**	Specifies the name of the business service method argument.
Optional **(O)**	You can use one of the following values: ■ **TRUE.** The business service method argument is optional. ■ **FALSE.** The business service method argument is required.
Pick Applet **(O)**	Specifies the name of the pick applet that this business service method argument reference.
Pick Field **(O)**	Specifies the name of the pick field that this business service method argument references.
Picklist **(O)**	Specifies the name of the picklist that this business service method argument references.
Preferred Sequence **(O)**	Specifies the order that Siebel CRM uses to call the business service method arguments that a business service contains. This property can contain only an integer.
Storage Type **(R)**	Specifies the storage type. To view the values you can use, click the Storage Type property in Siebel Tools.
Type **(R)**	Specifies the type of business service method argument. You can use one of the following values: **Input.** The argument is part of the Input property set for the InvokeMethod call. **Input / Output.** The argument is part of the Input property set and the Output property set. **Output.** The argument is part of the Output property set.

Business Service Method Arg Locale

A business service method arg locale defines language overrides that Siebel CRM uses with a business service method arg.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Method > Business Service Method Arg > Business Service Method Arg Locale

Table 86 describes properties that Siebel CRM uses with a business service method arg locale.

Table 86. Properties of the Business Service Method Arg Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays in the client for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Business Service Method Arg User Prop

A business service method arg user prop sends a property value to C++ code. Siebel CRM typically uses these user properties to import WSDL documents and to modify the metadata it uses to create a SOAP document at run-time. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Method > Business Service Method Arg > Business Service Method Arg User Prop

Table 87 describes properties that Siebel CRM uses with a business service method arg user prop.

Table 87. Properties of the Business Service Method Arg User Prop

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Business Service Method Locale

A business service method locale defines language overrides that Siebel CRM uses with a business service method. These values persist in the repository and in the Siebel Repository File.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Method > Business Service Method Locale

A business service method locale uses the same properties that a business service method arg locale uses. For more information, see Table 86 on page 161.

Business Service Server Script

A business service server script includes the Siebel VB script or Siebel eScript script that a business service contains.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Server Script

A business service server script uses the same properties that an applet script uses. For more information, see Table 13 on page 42.

For more information, see *Siebel Object Interfaces Reference*.

Business Service Subsystem

A business service subsystem defines the subsystem that a business service references.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service Subsystem

Table 88 describes properties that Siebel CRM uses with a business service subsystem.

Table 88. Properties of the Business Service Subsystem

Property	Description
Name **(R)**	Specifies the name of the internal Oracle business service subsystem.
Subsystem **(R)**	Specifies the name of an external business service subsystem.

Business Service User Prop

A business service user prop sets the initial values for the properties of a business service. It communicates a property value to the C++ code or script that implements the business service configuration. Siebel CRM can modify these values during configuration or at run time. The GetProperty and SetProperty functions provide run-time access.

For more information, see "Object Types That You Must Not Modify" on page 19. For more information about properties that Siebel CRM supports, see *Siebel Developer's Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Business Service > Business Service User Prop

Table 89 describes properties that Siebel CRM uses with a business service user prop.

Table 89. Properties of the Business Service User Prop

Property	Description
Name **(R)**	Specifies the name of the business service user prop.
Value **(R)**	Specifies the value of the business service user property.

Class Object Types

This topic describes Class object type and object types that are children of this object type. It includes the following topics:

- Class on page 163
- Class Method on page 165
- Class Method Menu Item on page 165
- Class Method Menu Item Locale on page 166
- Class User Prop on page 166
- Class User Prop Value on page 167

Class

A class identifies the class for some object types, such as applet or business component. It includes a list of classes that the repository contains.

CAUTION: You can modify a class only if you are adding a new ActiveX control or Java Applet to the Siebel Web Client. Any modification you make to any other object can adversely affect performance and operation.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Class

Table 90 describes properties that Siebel CRM uses with a class.

Table 90. Properties of the Class

Property	Description
DLL **(S)**	Specifies the DLL that includes the class.
Handheld Client **(S)**	You can use one of the following values: ■ **TRUE.** Siebel CRM can use the class in the handheld client. ■ **FALSE.** Siebel CRM cannot use the class in the handheld client.

Table 90. Properties of the Class

Property	Description
High Interactivity Enabled (**S**)	Specifies a view as a *high interactivity view*. If the class property of an applet is High Interactivity Enabled for every applet that a view contains, then the view is a high interactive view. For more information, see "Configuring the High Interactivity Enabled Property of a Class" on page 164.
Java Thin Client **(S)(H)**	You can use one of the following values: ■ **TRUE.** Siebel CRM can use this class for the Java thin client. ■ **FALSE.** Siebel CRM cannot use this class for the Java thin client.
Name **(S)**	Specifies the name of the C++ class.
Object Type **(S)**	Specifies the name of the object type that this class references.
Super Class **(S)**	Specifies the name of the parent class.
Thin Client **(S)(H)**	You can use one of the following values: ■ **TRUE.** Siebel CRM can use this class with the Siebel Web Client. ■ **FALSE.** Siebel CRM cannot use this class with the Siebel Web Client.
UNIX Support **(S)(H)**	Specifies to support this class on the UNIX operating system.

Configuring the High Interactivity Enabled Property of a Class

Siebel CRM does the following work for a high interactivity view:

- Loads a view layout from the Siebel Server the first time a user accesses this view.
- Reloads this layout and refreshes the view frame that contains an applet only if some action requires this applet to use a different template.
- Refreshes a page only if Siebel CRM modifies the layout.

Table 91 describes the values that the High Interactivity Enabled property can contain.

Table 91. Values That the High Interactivity Enabled Property Can Contain

Value	Works in High Interactivity	Works in Standard Interactivity	Cacheable
1	No	Yes	No
2	Yes	No	Yes
3	Yes	No	No
4	Yes	Yes	Yes
5	Yes	Yes	No

Class Method

A class method describes the method that the class calls.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Class > Class Method

Table 92 describes properties that Siebel CRM uses with a class method.

Table 92. Properties of the Class Method

Property	Description
Method **(S)**	Specifies the method that the class calls.
Name **(S)**	Specifies the name of the method.

Class Method Menu Item

A class method menu item controls a menu item on an applet-level menu of a Siebel Web Engine applet of an applet class and the subclasses of this applet class.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Class > Class Method Menu Item

Table 93 describes properties that Siebel CRM uses with a class method menu item.

Table 93. Properties of the Class Method Menu Item

Property	Description
Command **(S)**	Specifies the name of the command that provides the method and target for the menu item.
Menu Text **(S)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(S)**	Specifies the name of the class method menu item.

Table 93. Properties of the Class Method Menu Item

Property	Description
Position **(S)**	Specifies the sequence of the menu item in the single-level list of menu items. This property can contain only an integer.
Suppress Menu Item **(S)**	You can use one of the following values: ■ **TRUE.** Removes the applet-level menu items from the applet-level menu in all applets that Siebel CRM gets from this class and the subclasses of this class. ■ **FALSE.** Does not remove these menu items.

Class Method Menu Item Locale

A class method menu item locale defines language overrides that Siebel CRM uses with a class method menu item.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Class > Class Method Menu Item > Class Method Menu Item Locale

Table 94 describes properties that Siebel CRM uses with a class method menu item locale.

Table 94. Properties of the Class Method Menu Item Locale

Property	Description
Menu Text **(S)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(S)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Class User Prop

A class user prop specifies a user property that Siebel CRM can use on Siebel repository objects that use the parent class.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Class > Class User Prop

Table 95 describes properties that Siebel CRM uses with a class user prop. For information about user properties, see *Siebel Developer's Reference*.

Table 95. Properties of the Class User Prop

Property	Description
Description **(O)**	Specifies a description for this user property. Siebel CRM displays this description in the picklist where it calls the user property so the user can quickly understand the usage and implications of the user property. For example, to force a view to sort according to the ORDER BY clause on the predefined user key, Siebel CRM overrides the sort specification on this view for some visibility types. To override the sort specification and use a sort that Siebel CRM applies to the business component for the affected views, you can use the All Mode Sort user property.
Name **(R)**	Specifies the name of the user property. This is the name that the C++ code of the class uses if it gets the value of the user property. It is also the name that Siebel Tools displays in the user property picklist for some objects. For example, a business component user property. For example, you can enter the following value: `All Mode Sort`
Type **(R)**	Specifies the object type that Siebel CRM uses with this class user property. You can enter one of the following values: ■ Business Component ■ Business Service ■ Applet
Value Type **(O)**	Specifies the type of value that Siebel enters in this user property. If the user property contains plain text, then you can leave this property empty. You can use one of the following values: ■ Field ■ Link ■ Business Service

Class User Prop Value

A class user prop value defines a value that Siebel CRM displays in the picklist for the parent class user prop.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Class > Class User Prop > Class User Prop Value

Table 96 describes properties that Siebel CRM uses with a class user prop value. For information about user properties, see *Siebel Developer's Reference*.

Table 96. Properties of the Class User Prop Value

Property	Description
Description **(O)**	Includes text that describes the object definition for this class user property. Siebel CRM displays this description in the picklist where the user uses the user property value. It allows this user to quickly understand the usage and implications of this value as compared to other values in the picklist. For example, if the All Mode Sort user property value is Normal, then Siebel CRM uses a sort specification that is defined on a business component. This configuration also allows the user to run a predefined query that incorporates a sort.
Name **(R)**	Specifies the name of the user property value. This is the name that Siebel Tools displays in the picklist for a user property value for an object type. For example, a business component user property. For example, you can use one of the following values: ■ TRUE ■ FALSE ■ Normal

Command Object Types

This topic describes Command object type and object types that are children of this object type. It includes the following topics:

■ Accelerator on page 168

■ Accelerator Locale on page 169

■ Command on page 170

■ Command Locale on page 172

Accelerator

An accelerator defines an accelerator key sequence for each browser for a menu item that uses this command. For more information, see "Formats You Can Use With an Accelerator Object Type" on page 18.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Command > Accelerator

Table 97 describes properties that Siebel CRM uses with an accelerator.

Table 97. Properties of the Accelerator

Property	Description
Browser Platform **(O)**	User Agent. A user agent is typically a browser version, such as Internet Explorer 9.0. You can use one of the following values: ■ **All.** Applies to all versions of a browser version. ■ **Basic.** Defines the capabilities of a major version of a browser. ■ **Extended.** Defines the extended capabilities of minor versions of the same browser.
Display Name **(O)**	Specifies the name of the shortcut that Siebel CRM displays on a menu. For example: `CTRL+N`
Key Sequence **(O)**	The series of keyboard strokes in a shortcut. For values you can use, see "Accelerator Locale" on page 169.
Key Sequence - Language Override **(O)**	The language code that Siebel CRM uses for the current key sequence. An Accelerator Locale object can override this value.
Name **(R)**	Specifies the name of the accelerator. For example: `New record`

Accelerator Locale

An accelerator locale defines a language override that Siebel CRM uses with an accelerator. For more information, see "Formats You Can Use With an Accelerator Object Type" on page 18.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Command > Accelerator > Accelerator Locale

Table 98 describes properties that Siebel CRM uses with an accelerator locale.

Table 98. Properties of the Accelerator Locale

Property	Description
Display Name **(O)**	The series of keyboard strokes in a shortcut for a language and how Siebel CRM displays it on a menu. For example: `CTRL+N`
Key Sequence **(O)**	The series of keyboard strokes in a shortcut for a language.
Name **(O)**	The abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Command

A command specifies the method that Siebel CRM calls if a toolbar icon associated with this command runs. It also defines the bitmap that it displays on the toolbar icon. A toolbar item or menu item references a command.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Command

Table 99 describes properties that Siebel CRM uses with a command.

Table 99. Properties of the Command

Property	Description
Bitmap **(R)(H)**	Not used.
Business Service **(O)**	Specifies a browser service or server service, depending on the property that handles the method.
Category **(R)**	Specifies the category name for a customize dialog box.
Category Display Name **(O)**	Not used.
Display Name **(O)**	Specifies the name of the command. If you do not specify a name for a menu, then Siebel CRM uses the value that the Display Name property contains.

Table 99. Properties of the Command

Property	Description
Dynamic Tooltip **(O)**	Specifies to make a tooltip dynamic or static. It can include one of the following values: ■ **TRUE.** To get the dynamic tooltip text, Siebel CRM calls an underlying object, such as an application, applet, or service. ■ **FALSE.** Use a static value. Reserved for future use.
Force Enable **(O)**	Specifies to associate the menu item or toolbar item with this command object. Reserved for future use.
HTML Bitmap **(O)**	Specifies the name of the bitmap that Siebel CRM displays if the control is in the enabled state.
HTML Disabled Bitmap **(O)**	Specifies the name of the bitmap that Siebel CRM displays if the control is in a disabled state.
HTML Popup Dimension **(O)**	Specifies the dimensions of the pop-up window, in pixels. For example: `640x480` The format requires a lower case x and no empty spaces.
Method **(R)**	Specifies the name of the method that Siebel CRM calls if the user chooses a menu item or toolbar icon. This method can be predefined or a custom method that you define.
Method Argument **(O)**	Specifies the method argument that Siebel CRM sends to the method that the Method property contains. For example, assume a command item opens a new window and then navigates to a URL in that window. To implement this requirement, a command can specify the following: ■ The GotoURL method in the Method property. ■ The URL to navigate to in the Method Argument property.
Name **(R)**	Specifies the name of the command object definition. This is the name of the toolbar icon that Siebel CRM displays in the Commands list on the Commands tab of the Customize dialog box in Siebel CRM.
Show Popup **(O)**	You can use one of the following values: ■ **TRUE.** Open a new browser window before calling the method. ■ **FALSE.** Call the method in the current browser window.
Status Text **(O)**	Not used.

Table 99. Properties of the Command

Property	Description
Target **(O)**	Specifies the name of the target. To view the values you can use, click the Target property in Siebel Tools. Note the following values: ■ **Active Applet.** The command is visible in all clients. ■ **Service.** The command displays only in a client that implements this service. This service must handle the CanInvokeMethod and InvokeMethod methods. ■ **Application.** Do not use. This value is for Oracle use only.
Tooltip Text **(O)**	Obsolete. Do not use.

Command Locale

A command locale defines language overrides that Siebel CRM uses with a command.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Command > Command Locale

Table 100 describes properties that Siebel CRM uses with a command locale.

Table 100. Properties of the Command Locale

Property	Description
Category Display Name **(O)**	Not used.
Display Name **(O)**	Specifies the name of the command in the client.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Status Text **(O)**	Not used.
Tooltip Text **(O)**	Obsolete. Do not use.

Content Object Types

This topic describes Content object type and object types that are children of this object type. It includes the following topics:

- Content Object on page 173
- Content Object View on page 174

Content Object

A content object specifies a class of content for the Content Center. It defines the fields and attachments of the content that Siebel CRM transfers from a staging environment to a production environment for use with the Content Center.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Content Object

Table 101 describes properties that Siebel CRM uses with a content object.

Table 101. Properties of the Content Object

Property	Description
Business Object **(O)**	Specifies the business object. You can specify any business object that references a primary business component.
Integration Object **(O)**	Specifies the integration object. You can specify any EAI object that Siebel CRM creates from the business object that the Business Object property specifies.
Name **(R)**	Specifies the name of the content object.
Pick Applet **(O)**	Specifies the name of the pick applet that Siebel CRM uses to choose the content data for a content item. The Business Component property of this applet must reference the primary business component of the business object.
Pick List **(O)**	Specifies the name of the picklist for the pick applet. The Business Component property of this picklist must reference the primary business component of the business object.
Sequence **(O)**	Specifies the order that Siebel CRM uses to publish content items. It uses this sequence only if it publishes a content project that includes content items from different content objects. Siebel CRM publishes the content items from the content object that possesses the lowest sequence number first. It then publishes the content object that possesses the next lowest sequence number, and then proceeds in this order until it publishes all content items from all content objects. This property can contain only an integer.
Source Field **(O)**	Specifies the field from the picklist that Siebel CRM uses to pick and fill in the content item reference ID. This property must only contain the following value: `Id`

Content Object View

A content object view specifies the view that Siebel CRM uses to work with a class of content in the Content Center.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Content Object > Content Object View

Table 102 describes properties that Siebel CRM uses with a content object view.

Table 102. Properties of the Content Object View

Property	Description
Name **(R)**	Specifies the name of the content object view. It is recommended that the name of the content object view be the same as the view name.
Sequence **(O)**	Specifies the order that Siebel CRM uses to look up the content object views that the content object includes. A content object can include multiple content object views. Siebel CRM looks up the view that includes the lowest sequence value first. It ignores any view for which the user does not possess visibility. This property can contain only an integer.
View Name **(O)**	Specifies the name of the view that the content contributor or approver drills down to from a content item. This user uses this destination view to edit or add content data. You can specify any view. Typically, the top applet in this view references the primary business component of the business object that the content object references.

DLL Object Type

This topic describes the DLL object type.

DLL

A DLL object contains the Siebel Tools program library files.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > DLL

Table 103 describes properties that Siebel CRM uses with a DLL object.

Table 103. Properties of the DLL Object

Property	Description
Attributes **(O)**	Specifies any attributes that are associated with the applet tag.
Code or Class Id **(O)**	Specifies the complete classname of the Java applet including the package name.
File Name **(R)**	Specifies the name of the DLL file.
Java Package **(O)**	Specifies the Java packages that this DLL requires.
Name **(R)**	Specifies the name of the DLL object without a DLL filename extension.

Dock Object Types

This topic describes the object type known as the Dock Object and objects that are children of this object type. It includes the following topics:

- Dock Object on page 175
- Dock Object Related DObj on page 176
- Dock Object Table on page 177
- Dock Object Visibility Rule on page 178

Dock Object

A dock object defines rules or groups of rules that Siebel CRM uses to synchronize records to remote users. For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Dock Object

Table 104 describes properties that Siebel CRM uses with a dock object.

Table 104. Properties of the Dock Object

Property	Description
Active **(S)**	If TRUE, then the dock object is active in Siebel CRM.
Dock Code **(S)**	Specifies the code that Siebel CRM uses for this dock object.

Table 104. Properties of the Dock Object

Property	Description
Name **(S)**	Specifies the abbreviated name of the primary table.
Primary Table Name **(S)**	Specifies the name of the primary table. Tables that the dock object tables identify for a dock object are related through foreign keys in the data model to one primary table.
User Name **(S)**	Specifies the full name of the dock object.
Visibility Level **(S)**	Specifies the level at which to download tables to a corresponding set of tables.
Write DB cache **(S)**	If TRUE, then the dock object writes explicitly to the S_DOCK_INST table.

Dock Object Related DObj

A dock object related dobj affects information access. For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Dock Object > Dock Object Related DObj

Table 105 describes properties that Siebel CRM uses with a dock object related dobj.

Table 105. Properties of the Dock Object Related DObj

Property	Description
Active **(S)**	If TRUE, then the dock object is active in Siebel CRM.
Check Visibility **(S)**	If TRUE, then Siebel CRM examines the visibility rules for the user.
Name **(S)**	Specifies the name of the dock object in which this doc object related dock dobj belongs.
Rel DObj Visibility Strength **(S)**	Specifies the visibility strength of the related dock object. This property can contain only an integer.
Related Dock Object Name **(S)**	Specifies the name of the related dock object.
SQL Statement **(S)**	Specifies the SQL script that Siebel CRM uses to handle special exceptions for a rule.
Sequence **(S)**	Specifies the position of the dock object. This property can contain only an integer.

Table 105. Properties of the Dock Object Related DObj

Property	Description
Visibility Event Columns **(S)**	Specifies the name of the visibility event columns for the related dock object visibility rule.
Visibility Strength **(S)**	Specifies the visibility strength of the related dock object. This property can contain only an integer between 0 and 100: ■ A value of 100 provides full visibility. ■ A value of 0 provides no visibility. ■ A value between 1 and 100 provides partial visibility.

Dock Object Table

A dock object table specifies the table that contains the records that Siebel CRM downloads with a dock object. For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Dock Object > Dock Object Table

Table 106 describes properties that Siebel CRM uses with a dock object table.

Table 106. Properties of the Dock Object Table

Property	Description
Dock Object Sub Type **(S)**	Specifies the sub type of the dock object.
Filter Sql Statement **(S)**	Specifies the SQL script that Siebel CRM uses to filter data regarding the dock object tables.
Name **(S)**	Specifies the name of the table that receives the records.
Node Language Filter **(S)**	Specifies to use language selective downloading of translation tables to a remote client according to the client preferred language. You can use one of the following values: ■ **TRUE.** Siebel CRM applies the node language filter to the translation tables. ■ **TRUE.** Siebel CRM does not apply the node language filter and treats the table the same as it does a normal dock table.
Notify (S)	If TRUE, then Siebel CRM logs events to the Client Diagnostics view of the Siebel Remote Admin screen.

Table 106. Properties of the Dock Object Table

Property	Description
Source Column Name **(S)**	Specifies the name of the column that Siebel CRM uses as the source for the dock object table.
Table Name **(S)**	Specifies the name of the table that contains the records that Siebel CRM downloads with the dock object.
Target Column Name **(S)**	Specifies the target column of the table that contains the records that Siebel CRM must download.
Target Table Name **(S)**	Specifies the name of the table that receives the records that Siebel CRM downloads with the dock object.
Visibility Event **(S)**	If TRUE, then the Transaction Router examines visibility rules on a visibility event and makes sure that any modification that exists in a dock table is a visibility event transaction.
Visibility Strength **(S)**	Specifies the visibility strength of the dock object table. This property can contain only an integer between 0 and 100: ■ A value of 100 provides full visibility. ■ A value of 0 provides no visibility. ■ A value between 1 and 100 provides partial visibility.

Dock Object Visibility Rule

A dock object visibility rule defines a set of rules that evaluate the records in a dock object that Siebel CRM displays for a remote user. For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Dock Object > Dock Object Visibility Rule

Table 107 describes properties that Siebel CRM uses with a dock object visibility rule.

Table 107. Properties of the Dock Object Visibility Rule

Property	Description
Active **(S)**	If TRUE, then the dock object visibility rule is active in Siebel CRM.
Category Column Name **(S)**	Specifies the name of the category column that Siebel CRM uses to determine if a category is visible to a user.
Category Table Name **(S)**	Specifies the name of the category table that Siebel CRM uses to determine if a category is visible to a user.

Table 107. Properties of the Dock Object Visibility Rule

Property	Description
Check DObj Visibility Strength **(S)**	Specifies the property that Siebel CRM examines to determine the visibility strength of the dock object.
Check Dock Object Name **(S)**	Specifies the name of an object definition that Siebel CRM uses to determine if it is related to another record that the user receives.
DBX SQL Statement **(S)**	Specifies the SQL statement that Siebel CRM uses to extract a database.
Dock Object Sub Type **(S)**	Specifies the sub type of the dock object.
Employee Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to evaluate each record according to if it includes a foreign key to the Employee record of the remote user.
Employee Table Name **(S)**	Specifies the name of the employee table.
Name **(S)**	Specifies the name of the dock object visibility rule.
Node Column Name **(S)**	Specifies the column name for the node dock object visibility rule.
Node Table Name **(S)**	Specifies the table name for the node dock object visibility rule.
Organization Column Name **(S)**	Specifies the column name for the organization dock object visibility rule.
Organization Table Name **(S)**	Specifies the table name for the organization dock object visibility rule.
Partial **(S)**	Not used.
Position Column Name **(S)**	Specifies the column name for the position dock object visibility rule.
Position Table Name **(S)**	Specifies the table name for the position dock object visibility rule.
Sequence **(S)**	Specifies an integer that determines the order that Siebel CRM uses to run this visibility rule relative to other visibility rules.
Source Column Name **(S)**	Specifies the source column name for the check dock object visibility rule.
Source Table Name **(S)**	Specifies the source table name for the check dock object visibility rule.
SQL Statement **(S)**	Specifies the SQL statement for the SQL dock object visibility rule.
Target Column Name **(S)**	Specifies the target column name for the check dock object visibility rule.

Table 107. Properties of the Dock Object Visibility Rule

Property	Description
Target Table Name **(S)**	Specifies the target table name for the check dock object visibility rule.
Type **(S)**	Specifies the type of the dock object visibility rule.
Visibility Event Columns **(S)**	Specifies the visibility event columns for the dock object visibility rule.
Visibility Strength **(S)**	Specifies the visibility strength of the dock object visibility rule. This property can contain only an integer between 0 and 100: ■ A value of 100 provides full visibility. ■ A value of 0 provides no visibility. ■ A value between 1 and 100 provides partial visibility.

EIM Interface Table Object Types

This topic describes EIM Interface Table object type and object types that are children of this object type. It includes the following topics:

- Attribute Mapping on page 180
- EIM Explicit Primary Mapping on page 181
- EIM Interface Table on page 181
- EIM Interface Table Column on page 182
- EIM Table Mapping on page 185
- Foreign Key Mapping on page 185
- Foreign Key Mapping Column on page 186
- Interface Table User Key Usage on page 187

Attribute Mapping

An attribute mapping identifies an attribute column that Siebel CRM updates. This column resides in the destination table that the parent Siebel Enterprise Integration Manager (EIM) table mapping identifies.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > EIM Table Mapping > Attribute Mapping

Table 108 describes properties that Siebel CRM uses with an attribute mapping.

Table 108. Properties of the Attribute Mapping

Property	Description
Base Table Attribute Column Name **(S)**	Specifies the name of the attribute column in the base table.
Export Only **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM considers mappings for export. ■ **FALSE.** Siebel CRM does not consider mappings for export.
Interface Table Data Column **(S)**	Specifies the name of corresponding EIM Interface Table Column.
Name **(S)**	Specifies the name of the attribute column in the target table.

EIM Explicit Primary Mapping

An EIM explicit primary mapping maps a primary for the Siebel Enterprise Integration Manager (EIM). For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > EIM Interface Table > EIM Table Mapping > EIM Explicit Primary Mapping

Table 109 describes properties that Siebel CRM uses with an EIM explicit primary mapping.

Table 109. Properties of the EIM Explicit Primary Mapping

Property	Description
Inf Tbl Exp Primary Flg Col Name (S)	Specifies the name of the column that Siebel CRM uses for primary mapping.
Name (S)	Specifies the name of the table that Siebel CRM uses for the primary mapping.

EIM Interface Table

An EIM interface table is an alternative representation of a table that the Siebel Enterprise Integration Manager (EIM) uses only for interface tables. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table

Table 110 describes properties that Siebel CRM uses with an EIM interface table.

Table 110. Properties of the EIM Interface Table

Property	Description
Abbreviation 1 - 3 **(S)**	Specifies up to three alternative abbreviations for the table.
Alias **(S)**	Not used.
Base Table Name **(S)**	Specifies the Type property as one of the following: ■ Ext for extending ■ Journal for the name of the table that is journaling
EIM Delete Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM deletes during data integration.
EIM Export Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM exports during data integration.
EIM Merge Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM merges during data integration.
File **(S)**	If TRUE, then Siebel CRM uses the table to save file attachment data.
Name **(S)**	Specifies the unique name of the table.
Parent Interface Table Name **(S)**	Specifies the name of the parent interface table.
Parent Table Column 1 Name **(S)**	Specifies the name of the column that references the primary parent if this table is a child table or intersection table.
Parent Table Column 2 Name **(S)**	Specifies the name of the column that references the second parent if this table is an intersection table.
Target Table Name **(S)**	Specifies the name of the target table.
Type **(S)**	Specifies the type of table.
User Name **(S)**	Specifies a user-friendly name for the table.

EIM Interface Table Column

An EIM interface table column is an alternative representation of a column that Siebel Enterprise Integration Manager (EIM) uses for a column that is a child of an interface table. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > EIM Interface Table Column

Table 111 describes properties that Siebel CRM uses with an EIM interface table column.

Table 111. Properties of the EIM Interface Table Column

Property	Description
Alias **(S)**	Not used.
Cascade Clear **(S)**	If TRUE, then EIM clears this foreign key if Siebel CRM deletes the related entity. This property must be FALSE for an extension column.
Default **(S)**	Specifies the value that Siebel CRM uses for this column in a new record.
Denormalization Path **(S)**	Specifies the path that Siebel CRM denormalizes if this is a denormalization column. Applies to denormalization of a user key column into an intersection table.
EIM Processing Column Flag **(S)**	If TRUE, then the column for this interface table is reserved for EIM processing. You must not use this property to allow this column to contain customer data.
Force Case **(S)**	Specifies to force new values to uppercase letters.
Foreign Key Table Name **(S)**	Specifies the table to which this column is a foreign key, EIM uses this property.
Lov Bounded **(S)**	If TRUE, then EIM examines the values in a list defined in a LOV Type. You must configure Siebel CRM to first import LOV data into the S_LST_OF_VAL table and you must specify LOV Type. This property is read-only for a predefined column in Siebel CRM but is editable for a column that you add through the Database Extension Designer.
Lov Type **(S)**	Specifies the list of values where Siebel CRM validates this column. Siebel CRM uses the Lov Type property with the LOV Bounded property. You define a list of values in List of Values administration screen in the client. This property is read-only for a predefined column in Siebel CRM but is editable for a column that you add through the Database Extension Designer.
Name **(S)**	Specifies a name that must be unique in the table.
Nullable **(S)**	If TRUE, then Siebel CRM can save NULL in this column.
Physical Type **(S)**	Specifies the data type of the column in the Siebel database.
Precision **(S)**	For more information, see "About the Scale and Precision Properties" on page 17.

Table 111. Properties of the EIM Interface Table Column

Property	Description
Primary Child Col **(S)**	EIM uses this property. For Oracle use only.
Primary Child Column Name **(S)**	Specifies the name of the column that contains the primary ID value.
Primary Child Table Name **(S)**	Specifies the name of the table where Siebel CRM can locate the primary child.
Primary Inter Table Name **(S)**	EIM uses this property. For Oracle use only.
Primary Join Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to join the record.
Primary Key **(S)**	If TRUE, then Siebel CRM uses this column as part of the primary key of the table.
Required **(S)**	If TRUE, then Siebel CRM requires this column. This requirement is true even if the Siebel database allows a NULL value.
Scale **(S)**	For more information, see "About the Scale and Precision Properties" on page 17.
Sequence Object **(S)**	If TRUE, then Siebel CRM uses a sequence object and automatically creates case column values. Only one foreign key can exist for the foreign key table for each table. For Oracle use only.
Text Length **(S)**	Specifies the length in characters for a Text column or Varchar column. The column size in Siebel Tools is not the same as the column size in the physical database. For more information about this difference, see 531960.1 (Article ID) on My Oracle Support.
Translate	For Oracle internal use only. You must leave this property set to FALSE for an extension column.
Translation Table Name **(S)**	Specifies the name of the translation table.
Type **(S)**	Specifies the type.
Use FKey **(S)**	If TRUE, then Siebel CRM uses this foreign key during synchronization to evaluate visibility. You must leave this property set to FALSE for an extension column.
Use Key Sequence **(S)**	Specifies the order that Siebel CRM uses this column in the user key.
User Name **(S)**	Specifies the user-friendly name for the column.
Valid Condition **(S)**	Specifies the expression that Siebel CRM uses to validate column values.

EIM Table Mapping

An EIM table mapping identifies a data table that the parent EIM interface table object definition updates. Siebel Enterprise Integration Manager (EIM) uses this object. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > EIM Table Mapping

Table 112 describes properties that Siebel CRM uses with an EIM table mapping.

Table 112. Properties of the EIM Table Mapping

Property	Description
Default Map Column Name Prefix (S)	Specifies the prefix for the default column that Siebel CRM maps during data integration.
Destination Table Name (S)	Specifies the name of the target table for the mapping.
EIM Exists Proc Column Name (S)	Specifies the name of the existing column that Siebel CRM uses during data integration.
EIM ROW_ID Proc Column Name (S)	Specifies the name of the row ID column that Siebel CRM uses during data integration.
EIM Status Proc Column Name (S)	Specifies the name of the status column that Siebel CRM uses during data integration.
EIM Unique Proc Column Name (S)	Specifies the unique name of the column that Siebel CRM uses during data integration.
Explicit Mapping (S)	If TRUE, then Siebel CRM maps the table during data integration.
Name **(S)**	Specifies the name of the target table.
Second Row **(S)**	If TRUE, then Siebel CRM separates one row in the EIM table into two different rows in the table. If you must map a table to an EIM table two times, then you can set this property. You can use this property with a table that includes a data row pair, such as the S_INV_LGR_ENTRY table.

Foreign Key Mapping

A foreign key mapping identifies a foreign key column in the destination table that an interface table populates. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > EIM Table Mapping > Foreign Key Mapping

Table 113 describes properties that Siebel CRM uses with a foreign key mapping.

Table 113. Properties of the Foreign Key Mapping

Property	Description
EIM Foreign Key Proc Column **(S)**	Specifies the name of the column that EIM uses as the foreign key.
Export Only **(O)**	If TRUE, then the Foreign Key Mapping Column object definitions identify user key columns to the interface table so that Siebel CRM gets foreign key values when an export occurs. Each Foreign Key Mapping Column object definition identifies part of the user key columns that Siebel CRM uses to locate rows in the table that the foreign key references. The combination of user key columns uniquely identifies rows in this table.
Foreign Key Column Name **(S)**	Specifies the name of the column that Siebel CRM uses as the foreign key.
Name **(S)**	Specifies the name of the foreign key column.
Override Ref Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to override the value that the EIM Foreign Key Proc Column property contains.
User Key Name **(S)**	Specifies the name of the user key column that Siebel CRM finds in the user key index.

Foreign Key Mapping Column

A foreign key mapping column identifies a part of the user key. It identifies an attribute column that Siebel CRM uses to locate rows in the table that the foreign key references. The combination of user key columns uniquely identifies rows in this table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > EIM Table Mapping > Foreign Key Mapping > Foreign Key Mapping Column

Table 114 describes properties that Siebel CRM uses with a foreign key mapping column.

Table 114. Properties of the Foreign Key Mapping Column

Property	Description
Interface Table Data Column Name **(S)**	Specifies the name of the column in the interface table that supplies the data.
Name **(S)**	Specifies the name of the user key column.
Self Ref Mapping Column Name **(S)**	Specifies the name of the column.
Self Reference Join **(S)**	If TRUE, then Siebel CRM allows a join operation between the self-reference mapping column and the foreign key mapping column.
User Key Attribute Name **(S)**	Specifies the name of the attribute column.

Interface Table User Key Usage

An interface table user key usage provides support for alternative user keys for tables. It determines how Siebel CRM uses a nontraditional user key for an interface table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > EIM Interface Table > Interface Table User Key Usage

Table 115 describes properties that Siebel CRM uses with an interface table user key usage.

Table 115. Properties of the Interface Table User Key Usage

Property	Description
Application Table Name **(S)**	Specifies the name of the base table in an interface table.
Name **(S)**	Specifies the name of an interface table user key usage.
User Key Name **(S)**	Specifies the name of the user key.

Entity Relationship Diagram Object Types

This topic describes Entity Relationship Diagram object type and object types that are children of this object type. It includes the following topics:

- Entity on page 188
- Entity Attribute (H) on page 188
- Entity Physical Relation (H) on page 189
- Entity Relation on page 190
- Entity Relationship Diagram on page 191

Entity

An entity contains entity properties.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Entity Relationship Diagram > Entity

Table 116 describes properties that Siebel CRM uses with an entity.

Table 116. Properties of the Entity

Property	Description
Business Component	Specifies a user-defined entity or an entity that is associated with an existing business component.
Name	Specifies the name of the entity. The default name is Entity 1. You can modify this value.

Entity Attribute (H)

An entity attribute contains information about an attribute in an entity.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Entity Relationship Diagram > Entity > Entity Attribute

Table 117 describes properties that Siebel CRM uses with an entity attribute.

Table 117. Properties of the Entity Attribute

Property	Description
Business Component	Specifies the business component to display for the parent entity object. This property is read only.
Business Component Field	Specifies the field that contains a picklist of the properties on the business component that Siebel CRM maps to the entity. For example, if Siebel CRM maps the Account business component to an entity, then the Business Component Field picklist contains Account Competitors, Account Conditions, Account Markets, and so on.
Data Example	Specifies a text example of an entity attribute.
Data Type	Specifies the data type for this entity attribute.
Format String	Specifies the string format for this entity attribute. For example, to specify the format string for a telephone number, you can enter the following value: (XXX)XXX-XXXX
Length	Specifies the maximum length for this entity attribute.
Name	Specifies the name for this entity attribute.
Pick List Domain	Specifies the set of values for an entity attribute that you define from a picklist.
Pick List Required	If TRUE, then a picklist is required.
User Key Flag	If TRUE, then this entity attribute is a user key.

Entity Physical Relation (H)

An entity physical relation if you bind a relation in the ERD these fields become populated as read-only fields.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Entity Relationship Diagram > Entity Relation > Entity Physical Relation

Table 118 describes properties that Siebel CRM uses with an entity physical relation.

Table 118. Properties of the Entity Physical Relation

Property	Description
Business Component	Specifies the primary business component depending on if this entity physical relation is a: ■ **Link.** Specifies the business component name. ■ **Join.** Specifies the parent business component.
Join Alias	Specifies the join alias if this entity physical relation is a join.
Link Name	Specifies the link name if this entity physical relation is a link.
Name	Specifies the name of the repository object that Siebel CRM binds to this entity physical relation depending on if this entity physical relation is a: ■ **Link.** Specifies the link name. ■ **Join.** Specifies the join alias.

Entity Relation

An entity relation contains the definition of the relation that Siebel Tools displays on the canvas.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Entity Relationship Diagram > Entity Relation

Table 119 describes properties that Siebel CRM uses with an entity relation.

Table 119. Properties of the Entity Relation

Property	Description
Cardinality	Specifies one of the following relationships: ■ 1:1 (one to one) ■ 1:M (one to many) ■ M:1 (many to one) ■ M:M (many to many)
End Name 1	Specifies the name for the start of the relationship.
End Name 2	Specifies the name for the end of the relationship.
Entity 1	Specifies the entity at the start of the relationship. You can specify an entity that references a predefined business component or a custom entity.

Table 119. Properties of the Entity Relation

Property	Description
Entity 2	Specifies the entity at the end of the relationship. You can specify an entity that references a predefined business component or a custom entity.

Name	Specifies the name of the entity relation. You can specify the default name, such as Relation0, or you can use a custom name, such as one the following names:
	`Owns for Customer`
	`Owns Automobile`

Entity Relationship Diagram

An entity relationship diagram allows a business analyst or developer to define business entities and then map the appropriate Siebel object to each entity.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Entity Relationship Diagram

Table 120 describes properties that Siebel CRM uses with an entity relationship diagram.

Table 120. Properties of the Entity Relationship Diagram

Property	Description
Name	Specifies the name of the entity relationship diagram (ERD). This name must be unique.
Status	Specifies the status of the entity relationship diagram.

External Search Engine Object Type

This topic describes External Search Engine object type.

External Search Engine (H)

An external search engine customizes search content. A search engine includes one or more search tables and each of these tables includes one or more search fields.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > External Search Engine

Table 121 describes properties that Siebel CRM uses with an external search engine.

Table 121. Properties of the External Search Engine

Property	Description
Max Rows **(O)**	Specifies the maximum number of result rows to get.
Max Time **(O)**	Specifies the maximum time in seconds to search.
Name **(R)**	Specifies the logical name of this search definition. This value is the value for the SearchDefName parameter in the configuration file.
Sort Specification **(O)**	Specifies the sort expression that orders the records that Siebel CRM returns. For example: `SCORE DESC, FILENAME ASC`

Find Object Types

This topic describes the Find object type and object types that are children of this object type. It includes the following topics:

- Find on page 192
- Find Field on page 193
- Find Field Locale on page 195
- Find Locale on page 195
- Find Pick View on page 196
- Find View on page 197

Find

A find creates an entry that Siebel CRM can add to the Find dialog box in the client.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find

Table 122 describes properties that Siebel CRM uses with a find.

Table 122. Properties of the Find

Property	Description
Applet **(R)**	Specifies the applet that the find uses. The view that Siebel CRM specifies for every Find View object definition for the Find object must include this applet.
Destination Field **(R)**	Specifies the destination field that Siebel CRM uses to drill down into a record. This field resides in the business component that the applet references. If the Destination Field property is empty, then Siebel CRM uses the row ID field.
Display Name **(O)**	Specifies the display name for the Find object.
Drilldown View **(O)**	Specifies the view that Siebel CRM displays if the user drills down. If the Drilldown View property is empty, then it uses the Find View.
Name **(R)**	Specifies the name of the Find object definition. You reference this value when you configure the application find object definitions that use this Find object definition.
Preview **(O)**	Specifies the view that Siebel CRM displays in a separate browser window if the user clicks the Preview button in the Search Center. This preview view is typically a read-only view. For example, the preview for the Accounts find is Accounts Preview View.

Find Field

A find field adds a search field to the Find dialog box that Siebel CRM displays in the client.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find > Find Field

Table 123 describes properties that Siebel CRM uses with a find field.

Table 123. Properties of the Find Field

Property	Description
Display In Entry **(O)**	Specifies a TRUE or FALSE value.
Display In Results **(O)**	Specifies a TRUE or FALSE value.

Table 123. Properties of the Find Field

Property	Description
Display Name **(O)**	Specifies the text or a key to the localized text that Siebel CRM displays for this find field if the parent find object definition of this find field is active in the Find dialog box.
Drilldown Business Component	Specifies the business component of the search result record that Siebel CRM queries in the destination view. This property allows you to configure separate drilldowns on the various fields in the Find Results applet.
Drilldown Destination Field	Specifies the field in the destination business component whose value equals the value of the source field in the source business component. This property allows you to configure separate drilldowns on the various fields in the Find Results applet. If you do not specify a value in the Drilldown Source Field property, then do not specify a value in the Drilldown Destination Field property. The value you enter in the Drilldown Destination Field property is valid only for Find results.
Drilldown Source Field	Specifies the field in the source business component whose value equals the value of the field in the destination business component. This property allows you to configure separate drilldowns on the various fields in the Find Results applet. The value you enter in the Drilldown Source Field property is valid only for Find results.
Drilldown View	Specifies the view where Siebel CRM displays the search result record if the user drills down. This property allows you to configure separate drilldowns on the various fields in the Find Results applet.
Field **(R)**	Specifies the field that Siebel CRM searches in the business component.
Name **(R)**	Specifies the name of the search field.
Sequence **(O)**	Specifies the order that Siebel CRM uses to position this find field in the list of fields that it displays in the Find dialog box for the parent find object definition. The Sequence property can contain only an integer.
Sequence - Language Override **(O)**	Specifies to modify the Sequence property if a language or locale is active. The Sequence - Language Override property can contain only an integer.
Title **(O)**	Reserved for future use.

Configuring the Field for a Find Field

The field that you specify in a find field must exist in the business component that the applet references for the find object definition.

Configuring Query For the Find Dialog Box

The configuration of the Find dialog box and the configuration of a query by example might be different for a multivalue field. The Find dialog box uses the same query that an EXISTS query on a field in a query by example uses. To verify this configuration, you can use an Exists expression in the query by example. For example:

```
Exists (Aga*)
```

Query by example supports each type of querying, but to keep the Find dialog box simple, Siebel CRM uses a query that works in all situations. If your implementation must not use the EXISTS configuration in the Find dialog box, then you can do the following:

1. Create a join from the primary ID field for the multivalue link to the table that contains the data.
2. Add a field on the table that you joined in Step 1.
3. Configure the find field to reference the field you added in Step 2.

Find Field Locale

A find field locale defines language overrides that Siebel CRM uses with a find field.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find > Find Field > Find Field Locale

Table 124 describes properties that Siebel CRM uses with a find field locale.

Table 124. Properties of the Find Field Locale

Property	Description
Display Name **(O)**	Specifies the text or the key to the localized text that Siebel CRM displays for this find field if the parent find object definition is active in the Find dialog box for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Sequence **(O)**	Specifies the order that Siebel CRM uses to position this find field in the list of fields that it displays in the Find dialog box for the parent find object definition. The Sequence property can contain only an integer.

Find Locale

A find locale defines the language overrides that Siebel CRM uses with a find.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find > Find Locale

Table 125 describes properties that Siebel CRM uses with a find locale.

Table 125. Properties of the Find Locale

Property	Description
Display Name **(O)**	Specifies the display name for the Find object for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Find Pick View

A find pick view identifies the applet in the pick view that receives items from the find results list. Siebel CRM can associate find results to an applet if a relationship exists between the applet and the parent of this applet, and if the search result and the Pick Applet reference the same business components. To create this relationship in Siebel Tools, you use an intersection table that creates a link between the two business components.

The following is an example configuration for the Opportunities find category:

- Configuration of the pick view is Contact Detail - Opportunities View
- Configuration of the pick applet is Opportunity List Applet - Basic

In this example, if a many-to-many relationship exists between the parent Contact applet and the child Opportunity List Applet - Basic applet, then Siebel CRM can attach an Opportunity Find result to the Opportunity List Applet - Basic applet.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find > Find Pick View

Table 126 describes properties that Siebel CRM uses with a find pick view.

Table 126. Properties of the Find Pick View

Property	Description
Applet Name **(O)**	Specifies the name of an applet in a view that allows the user to associate a child record to a parent.
Field Name **(O)**	Specifies the MVG field. Siebel CRM does not support this property in Siebel CRM version 7.

Table 126. Properties of the Find Pick View

Property	Description
Name **(R)**	Property is hidden and its value is defaulted from the View Name property.
View Name **(O)**	Specifies the name of the view.

Find View

A find view specifies the view that Siebel CRM displays if it uses the Find dialog box to perform a find operation.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Find > Find View

Table 127 describes properties that Siebel CRM uses with a find view.

Table 127. Properties of the Find View

Property	Description
Sequence **(O)**	Specifies the order that Siebel CRM uses to display views for a find object definition. The find operation uses the first find view object definition that it encounters in the responsibility list for the user. Different views apply different visibility. It is recommended that you configure Siebel CRM to examine the least restrictive view in this list first and the most restrictive view last. This order allows users who possess different responsibilities to use the broadest visibility that Siebel CRM allows the user to apply when the user must find an item.
View **(R)**	Specifies the name of the view that Siebel CRM uses for the find operation if this find view is used.

Help ID Object Type

This topic describes the Help Id object type.

Help Id

A help Id specifies the HTML file name that contains the help topics for a screen in the client. To reference it, you enter the help Id name in the Help Identifier property of a view or screen. If the user chooses the Help menu and then clicks Contents, then Siebel CRM calls the GotoPage method of the Siebel Web Engine (SWE). This method uses SWE code to display the correct help topic in a separate browser window. For more information about help, see *Siebel Object Interfaces Reference*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Help Id

Table 128 describes properties that Siebel CRM uses with a help Id.

Table 128. Properties of the Help Id

Property	Description
HTML Help URL **(O)**	Specifies the URL that Siebel CRM displays. The URL is relative to the public directory on the Siebel Web Server. This URL includes the HTML file that includes help content. For example, you can enter the following value in the HTML Help URL property: `help/siebaccounts.htm`
Name **(R)**	Specifies the string that identifies the help topic. This string must contain no special characters except for the underscore (_) symbol. It uses the following format: `ID_`*`type_object_name`* where: ■ *type* is VIEW or SCREEN. You must use all upper case letters. ■ *object_name* identifies the view or screen For example, you can use the following value for the Accounts screen help: `ID_SCREEN_ACCOUNTS`
Type **(O)**	Specifies the object type that can use this help topic. For example: `View`
Value **(O)**	Not used.

HTML Hierarchy Bitmap Object Type

This topic describes the HTML Hierarchy Bitmap object type.

HTML Hierarchy Bitmap

An HTML hierarchy bitmap is a top-level object that determines the set of bitmaps that Siebel CRM uses to display hierarchical information.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > HTML Hierarchy Bitmap

Table 129 describes properties that Siebel CRM uses with an html hierarchy bitmap. If a property in this table references a bitmap, then the Bitmap Category property of this bitmap must be set to HTML Hierarchy Icons.

Table 129. Properties of the HTML Hierarchy Bitmap

Property	Description
Arrow Down Bitmap **(O)**	Specifies the name of the bitmap object that defines a down arrow image.
Arrow Up Bitmap **(O)**	Specifies the name of the bitmap object that defines an up arrow image.
Bar Bitmap **(O)**	Specifies the name of the bitmap object that defines a vertical bar image.
Close Bitmap **(O)**	Specifies the name of the bitmap object that defines a closed folder image.
Collapse Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed folder image.
Collapse Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed elbow image.
Collapse Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed tee image.
Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines an elbow image.
Expand Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded image.
Expand Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded elbow image.
Expand Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded tee image.
Leaf Bitmap **(O)**	Specifies the name of the bitmap object that defines a document image.
Name **(R)**	Specifies the name of this HTML hierarchy bitmap.
Open Bitmap **(O)**	Specifies the name of the bitmap object that defines an open folder image.
Space Bitmap **(O)**	Specifies the name of the bitmap object that defines a white space image.
Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines a |- (pipe dash) image.

Icon Map Object Types

This topic describes Icon Map object type and object types that are children of this object type. It includes the following topics:

- Icon on page 200
- Icon Map on page 200

Icon

An icon specifies then icon that a bitmap uses to define the image for the icon.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Icon Map > Icon

Table 130 describes properties that Siebel CRM uses with an icon.

Table 130. Properties of the Icon

Property	Description
Bitmap **(O)**	Specifies the bitmap that Siebel CRM uses for the icon.
Bitmap Category **(O)**	Specifies the bitmap category in which the icon bitmap belongs.
Name **(R)**	Specifies the name of the icon that Siebel CRM compares to the field value.

Icon Map

An icon map defines a collection of icon objects that Siebel CRM uses in controls and list columns to map a field value to an icon. To determine the icon that Siebel CRM uses to display the field value, it compares the field value to the icon name.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Icon Map

Table 131 describes properties that Siebel CRM uses with an icon map.

Table 131. Properties of the Icon Map

Property	Description
Name **(R)**	Specifies the name of the icon map.

Import Object Types

This topic describes the object type known as the Import Object and object types that are children of this object type. It includes the following topics:

- Import Aux Field on page 201
- Import Field on page 201
- Import Field Column on page 202
- Import Field Locale on page 202
- Import Field Map on page 203
- Import Key Field on page 203
- Import Object on page 204
- Import Source on page 204

Import Aux Field

An import aux field defines the auxiliary key field name for the business component defined in the import object. If more than one item references the key field, then Siebel CRM does a second search that uses the auxiliary key fields. For example, Account and Account Location for Contact.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Import Object > Import Aux Field

Table 132 describes properties that Siebel CRM uses with an import aux field.

Table 132. Properties of the Import Aux Field

Property	Description
Aux Field Name **(R)**	Specifies the auxiliary key field name.
Name **(R)**	Specifies the name in the import object.

Import Field

An import field defines a field. Siebel CRM imports data to this field.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Import Object > Import Field

Table 133 describes properties that Siebel CRM uses with an import field.

Table 133. Properties of the Import Field

Property	Description
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table.
Field **(R)**	Specifies the name of a field. Siebel CRM imports data to this field.
Name **(R)**	Specifies the name in the import object.

Import Field Column

An import field column defines the column in the import source that Siebel CRM uses to import the data. It imports this data into the parent import field of the corresponding data map.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Import Object > Import Source > Import Field Map > Import Field Column

Table 134 describes properties that Siebel CRM uses with an import field column.

Table 134. Properties of the Import Field Column

Property	Description
Column **(R)**	Specifies the name of the column.
Name **(R)**	Specifies the name in the import object.

Import Field Locale

An import field locale defines language overrides that Siebel CRM uses with an import field.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Import Object > Import Field > Import Field Locale

Table 135 describes properties that Siebel CRM uses with an import field locale.

Table 135. Properties of the Import Field Locale

Property	Description
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Import Field Map

An import field map defines the mapping between the business component field and the column in the import source.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Import Object > Import Source > Import Field Map

Table 136 describes properties that Siebel CRM uses with an import field map.

Table 136. Properties of the Import Field Map

Property	Description
Country Code Column **(O)**	Specifies the name of the country code column in the import source.
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table.
Field **(R)**	Specifies the name of a field. Siebel CRM imports data to this field.
Name **(R)**	Specifies the name in the import source.
Parse Middle Name **(O)**	If TRUE, then Siebel CRM parses the middle name out of the full name.
Separator Character **(O)**	Specifies the character that Siebel CRM inserts between the parts the input data if this input data include separate parts.

Import Key Field

An import key field defines the key field name for the business component defined in the import object. Siebel CRM uses the import key field to search for duplicates. For example, the contact import object includes the First Name, Middle Name, and Last Name key fields.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Import Object > Import Key Field

Table 137 describes properties that Siebel CRM uses with an import key field.

Table 137. Properties of the Import Key Field

Property	Description
Key Field **(R)**	Specifies the key field name.
Name **(R)**	Specifies the name in the import object.

Import Object

An import object defines the information that Siebel CRM uses to import external data into a business component.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Import Object

Table 138 describes properties that Siebel CRM uses with an import object.

Table 138. Properties of the Import Object

Property	Description
Business Component **(R)**	Specifies the name of a business component. Siebel CRM imports data into this business component.
Name **(R)**	Specifies the name of the import object.

Import Source

An import source defines the source that Siebel CRM uses to import data. For example, ACT! or ECCO.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Import Object > Import Source

Table 139 describes properties that Siebel CRM uses with an import source.

Table 139. Properties of the Import Source

Property	Description
Name **(R)**	Specifies the name of the import source.

Integration Object Types

This topic describes the object type known as the Integration Object and object types that are children of this object type. It includes the following topics:

- Integration Component on page 205
- Integration Component Field on page 206
- Integration Component Field User Prop on page 208
- Integration Component Key on page 209
- Integration Component Key Field on page 209
- Integration Component User Prop on page 210
- Integration Object on page 210
- Integration Object User Prop on page 211

Integration Component

An integration component structures an inbound or outbound message string into a format that Siebel CRM or an external application can recognize. The integration component is an intermediate structure that helps resolve any difference that exists between the format that Siebel CRM uses and the format that an external application uses.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component

Table 140 describes properties that Siebel CRM uses with an integration component.

Table 140. Properties of the Integration Component

Property	Description
Adapter Info **(S)**	Oracle uses this property with the Integration Object Wizard.
Business Component **(O)**	Specifies the name of the business component.
Cardinality **(O)**	Specifies the number of integration components.
External Name **(S)**	Specifies the name of the structure that the external application can recognize.
External Sequence **(O)**	Specifies the order that Siebel CRM uses to process integration components. This property can contain only an integer.
Name **(R)**	Specifies the name of the integration component.

Table 140. Properties of the Integration Component

Property	Description
Parent Integration Component **(O)**	Specifies the name of the parent integration component for this component only if a parent exists. Only one active integration component in an integration object can be the root integration component. If this integration component is the root integration component, the you must leave the Parent Integration Component property empty.
XML Container Element **(O)**	Specifies the XML Tag that Siebel CRM uses to enclose elements that represent this integration component.
XML Sequence **(O)**	Specifies the order that Siebel CRM uses to display integration components in an XML document. This property can contain only an integer.
XML Tag **(O)**	Specifies the XML tag name that Siebel CRM creates for this integration component if Siebel CRM converts it into an XML document.

Integration Component Field

An integration component field is a field of an integration component object.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component > Integration Component Field

Table 141 describes properties that Siebel CRM uses with an integration component field.

Table 141. Properties of the Integration Component Field

Property	Description
Adapter Info **(S)**	Oracle this property with the Integration Object Wizard.
Business Component Field **(O)**	Specifies the name of the business component field.
Column **(O)**	Specifies the name of the column.
External Data Type **(R)**	Specifies the data type of the field that Siebel CRM gets from the external application.
External Length **(O)**	Specifies the length of the external data element that corresponds to the Integration component field.
External Name **(O)**	Specifies the external name of a data component or element that an external application can recognize.
External Precision **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.

Table 141. Properties of the Integration Component Field

Property	Description
External Required **(O)**	If TRUE, then the external application requires the external data element. For example, an external application might require a ROWID that uses ROWID as a primary key field in a non-Siebel database.
External Scale **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
External Sequence **(O)**	Specifies the order that the adapter uses to process integration component fields. Semantics are different for each adapter.
Field Type **(O)**	Specifies the field type. The Object List Editor uses the following label to represent a field type: Type You can use one of the following values: ■ **Custom.** Manually sends custom attributes that are not necessarily part of the actual data but are related to the data context. For more information about this field type value, see *Integration Platform Technologies: Siebel Enterprise Application Integration*. ■ **Data.** Contains raw field data that can Siebel CRM can format. It formats an XML document as delimited strings and saves it in this type of field. ■ **System.** Contains data that Siebel CRM formats in Siebel format. You can use it to specify the primary rows of a multivalue group or to specify an operation for an integration object instance.
Group **(O)**	Not used.
Length **(O)**	Specifies the length of the Siebel field that corresponds to a Siebel table column.
Name **(R)**	Specifies the name of the field. The maximum length is 75 characters.
Physical Data Type **(O)**	Specifies the data type of the integration field in the integration space.
Precision **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
Required **(O)**	Specifies that the integration component is required in an integration object.
Scale **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.

Table 141. Properties of the Integration Component Field

Property	Description
User Visible **(O)**	If TRUE, then this integration component field is visible to Data Transformation Engine users.
XML Literal Value **(O)**	Specifies the default value that Siebel CRM displays in an XML document if the value for this integration component field is not specified.
XML Parent Element **(O)**	Specifies the name of the parent element to which this integration component field belongs. This parent element becomes an XML tag.
XML Sequence **(O)**	Specifies the order that Siebel CRM uses to display integration component fields in an XML document. This property can contain only an integer.
XML Style **(O)**	Specifies the name of the XML style. It determines if Siebel CRM formats this integration component field as an XML attribute or an XML element if Siebel CRM creates an XML document for the integration object that contains this field.
XML Tag **(O)**	Specifies an XML element that defines this integration component field. If the XML Tag property is empty, then Siebel CRM assigns an XML tag to the integration component field when it sends this data to an external application. The maximum length for this property is 75 characters.

Integration Component Field User Prop

An integration component field user prop sends a property value to the C++ code that implements special configuration for an integration component field. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component > Integration Component Field > Integration Component Field User Prop

Table 142 describes properties that Siebel CRM uses with an integration component field user prop.

Table 142. Properties of the Integration Component Field User Prop

Property	Description
Name **(R)**	Specifies the name of the integration component field user prop.
Value **(O)**	Specifies the value of the integration component field user prop.

Integration Component Key

An integration component key defines a key for an integration component. A key includes one or more key fields that Siebel CRM uses to detect duplicate rows. An integration component key field defines these key fields.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component > Integration Component Key

Table 143 describes properties that Siebel CRM uses with an integration component key.

Table 143. Properties of the Integration Component Key

Property	Description
Key Sequence Number **(O)**	Specifies the order that Siebel CRM uses to process integration component keys that are of the same type. This property can contain only an integer.
Key Type **(R)**	Type of integration component key.
Name **(R)**	Specifies the name of this integration component key. The maximum length that you can specify in this property is 75 characters.
Target Key Name **(O)**	Specifies the target key that this foreign key references. Siebel CRM maps fields are mapped according to sequence. Siebel CRM uses the Target Key Name property only for a key of type Foreign Key.

Integration Component Key Field

An integration component key field defines an integration field as a key field for a key in an integration object. Siebel CRM implements the integration component key field object as an intersection table between integration fields and integration component keys.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component > Integration Component Key > Integration Component Key Field

Table 144 describes properties that Siebel CRM uses with an integration component key field.

Table 144. Properties of the Integration Component Key Field

Property	Description
Field Name **(R)**	Specifies the name of integration component field.

Table 144. Properties of the Integration Component Key Field

Property	Description
Name **(R)**	Specifies the name of the integration component key field.
Sequence **(O)**	Specifies the order that Siebel CRM uses to process integration component key fields. This property can contain only an integer.

Integration Component User Prop

An integration component user prop sends a property value to C ++ code that implements special configuration for an integration component. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Component > Integration Component User Prop

Table 145 describes properties that Siebel CRM uses with an integration component user prop.

Table 145. Properties of the Integration Component User Prop

Property	Description
Name **(R)**	Specifies the name of the integration component user prop.
Value **(O)**	Specifies the Value of the integration component user prop.

Integration Object

An integration object provides a logical representation of external application data or of Siebel data that Siebel CRM must map to an external application.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object

Table 146 describes properties that Siebel CRM uses with an integration object.

Table 146. Properties of the Integration Object

Property	Description
Adapter Info **(O)**	Oracle uses this property to support the Integration Object Wizard.
Base Object Type **(R)**	Specifies one of several predefined object types that this integration object references.
Business Object **(O)**	Specifies the name of the business object.

Table 146. Properties of the Integration Object

Property	Description
External Major Version **(O)**	Not used.
External Minor Version **(O)**	Not used.
External Name **(R)**	Specifies the name of the object that an external function can recognize.
Name **(R)**	Specifies the name of the integration object.
XML Tag **(R)**	Specifies the XML tag name that Siebel CRM creates for this object when it converts an object to an XML document.

Integration Object User Prop

An integration object user prop sends a property value to C ++ code that implements special configuration for an integration object. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Integration Object > Integration Object User Prop

Table 147 describes properties that Siebel CRM uses with an integration object user prop.

Table 147. Properties of the Integration Object User Prop

Property	Description
Name **(R)**	Specifies the name of the integration object user prop.
Value **(O)**	Specifies the value of the integration object user prop.

Link Object Type

This topic describes the Link object type.

Link

A link specifies the relationship between two business components. The relationship can be one-to-many (1:M), such as parent and child, or many-to-many (M:M). For more information about links, see *Configuring Siebel Business Applications*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Link

Table Table 148 describes properties that Siebel CRM uses with a link.

Table 148. Properties of the Link

Property	Description
Cascade Delete **(O)**	For more information, see "Setting the Cascade Delete Property of a Link" on page 215.
Child Business Component **(R)**	Specifies the name of a business component. The business component that the Parent Business Component property specifies determines the data for the business component that the Child Business Component property specifies.
Destination Field **(R)**	Specifies the name of a field in the child business component that Siebel CRM uses to logically join to the parent business component. The Destination Field property is required for a 1:M link.
Inter Child Column **(R)**	Specifies the name of a column in the intersection table that links this table to the child business component. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Child Column property is required for a M:M link.
Inter Child Delete **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM deletes the association and the child record. ■ **FALSE.** Siebel CRM deletes only the association for the child record. You use FALSE only with a M:M link.
Inter Parent Column **(R)**	Specifies the name of a column in the intersection table that links this table to the parent business component. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Parent Column property is required for a M:M link.
Inter Table **(R)**	Specifies the name of the intersection table. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Table property is required for a M:M link.

Table 148. Properties of the Link

Property	Description
Name **(R)**	Specifies the name for the link. The name can contain spaces and must be unique among links. Other objects use this name to reference this link. Siebel CRM manages this property. It uses the following format: *parent business component name/child business component name* For example: Account/Account Contact Note the following: ■ You must not modify the value in the Name property unless necessary. ■ You must not use the Calendar business component as the master or detail business component in a link.
No Associate **(O)**	If TRUE, then Siebel CRM cannot create a new association through the link. It can add new detail records. It does not display the association applet when it creates a new record for the child in a M:M relationship. It requires the user to enter a new record. It does not allow the user to associate this new record to an existing record. If the current view uses Admin Mode, then Siebel CRM ignores this property. You specify the No Associate property only for a M:M link.
No Delete **(O)**	If TRUE, then Siebel CRM does not delete child records through this link.
No Insert **(O)**	If TRUE, then Siebel CRM does not create new child records through this link. You specify the No Insert property only for a 1:M link. For more information, see the No Associate property for this object type.
No Inter Delete **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM never deletes intersection table records. ■ **FALSE.** Siebel CRM deletes intersection table records if it deletes a parent or a child record. The No Inter Delete property applies only to a M:M relationship.
No Update **(O)**	If TRUE, then Siebel CRM does not update child records through this link.

Table 148. Properties of the Link

Property	Description
Parent Business Component **(R)**	Specifies the name of the business component whose data determines the records that the child business component gets. The Child Business Component property of this link specifies this child business component.
Primary Id Field **(O)**	Specifies the name of the field in the master business component that contains the row ID values that reference the primary records in the detail business component.
Search Specification **(O)**	Specifies an expression that Siebel CRM uses to filter the records it gets. If the link is active, then it applies this filter to the child business component.
Sort Spec **(O)**	Specifies an expression that Siebel CRM uses in an association list to order the detail records that it gets. You use the Sort Spec property only for a M:M link.
Source Field **(O)**	Specifies the name of a field in the parent business component that Siebel CRM uses to link to the child business component. This source field is a unique identifier for rows that exist in the parent business component. It is typically the field that maps to the ROW_ID column in the table that the parent business component references and that possesses the name Id. Siebel CRM does not display this field in the Fields list in the Object List Editor for the business component. The Id field displays only in the dropdown list for some properties, such as the Source Field property in some object types, such as the link. The default value for the Source Field property is Id. If this property is empty, then Siebel CRM uses Id.
Visibility Auto All **(O)**	You can use one of the following values: ■ **TRUE.** The user can access all views and can view all records in the child business component. ■ **FALSE.** The Visibility Type property of this link determines visibility.

Table 148. Properties of the Link

Property	Description
Visibility Rule Applied **(O)**	Specifies how Siebel CRM applies visibility rules in a view that uses this link. Visibility settings in a view apply to the applet that the Visibility Applet property specifies. If a master-detail relationship exists between this applet and an applet that displays detail records, then you can use the Visibility Rule Applied property to allow the user to view detail records that the user cannot normally view because of visibility rules. The user cannot drill down to view the entire record. You can use one of the following values. Siebel CRM does the following if the current master-detail view references this link: ■ **Always.** Allow visibility rules in the detail records even though the Visibility Applet and Visibility Applet Type properties of this view do not use the active visibility. ■ **Never.** Disable visibility rules in the detail records.
Visibility Type **(O)**	Specifies the visibility type if the business component displays as a child in the given link. For more information, see the description of the Visibility Auto All property for this link.

Setting the Cascade Delete Property of a Link

the Cascade Delete property of a link specifies the action that Siebel CRM performs on detail business component records of the link if Siebel CRM deletes the master. You can use one of the following values:

- **CLEAR.** Siebel CRM removes the foreign key reference.
- **DELETE.** Siebel CRM deletes the child record.
- **NONE.** Siebel CRM performs no operations on the child record.

You must set the Cascade Delete property to CLEAR in the following situations:

- The child business component in this link is also a child business component in another link.
- Another business component references the same table that a child business component references, and this other business component is the child business component in another link. For example, assume the following links exist:
  - Contact/Action
  - Contact/Activity Plan

  Action and Activity Plan reference the same table. You must make sure Cascade Delete is CLEAR for each link.

Do not set the Cascade Delete property to NONE for a many-to-many link. Siebel CRM deletes the intersection record for a many-to-many link but does not delete the child record. This child record might have other parents.

If multiple links exist that reference the same tables, then you must make sure that you set the Cascade Delete property consistently among all of these links. If Siebel CRM deletes a record that is a foreign key of another table, then it might or might not delete these references. If it does not delete these references, then row IDs might reference nonexistent records. Siebel CRM might convert these foreign keys to No Match Row Id for a multivalue group.

Menu Object Types

This topic describes the Menu object type and object types that are children of this object type. It includes the following topics:

- Menu on page 216
- Menu Item on page 216
- Menu Item Locale on page 217

Menu

A menu defines a menu that the user can access.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Menu

Table 149 describes properties that Siebel CRM uses with a menu.

Table 149. Properties of the Menu

Property	Description
Name **(R)**	Specifies the name of the menu.

Menu Item

A menu item references a command.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Menu > Menu Item

Table 150 describes properties that Siebel CRM uses with a menu item.

Table 150. Properties of the Menu Item

Property	Description
Caption **(O)**	Specifies the text that Siebel CRM displays in the menu. For example: `&Insert Record`
Command **(O)**	Specifies the name of a command object definition. This command specifies the method or accelerator for the menu item. For example: `Create Record`
Name **(R)**	Specifies the name of the menu item. For example: `Edit - Insert Record`
Position **(R)**	Identifies the position of the menu item. The top level positions are 1, 2, 3, and so on. The dot notation indicates hierarchy. For example: `3.1`
Restricted	For Oracle use only.

Menu Item Locale

A menu item locale defines language overrides that Siebel CRM uses with a menu item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Menu > Menu Item > Menu Item Locale

Table 151 describes properties that Siebel CRM uses with a menu item locale.

Table 151. Properties of the Menu Item Locale

Property	Description
Caption **(O)**	Specifies the text that Siebel CRM displays in the menu.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Message Category Object Types

This topic describes the Message Category object type and object types that are children of this object type. It includes the following topics:

- Message on page 218
- Message Category on page 218
- Message Locale on page 219

Message

A message specifies the message that Siebel CRM displays in the client after it runs a query that the user requests. Siebel CRM uses with this object type with a swe:messages tag of the Siebel Web Engine.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Message Category > Message

Table 152 describes properties that Siebel CRM uses with a message.

Table 152. Properties of the Message

Property	Description
Name **(R)**	Specifies the name of the message. For example: `Query Mode Prompt`
Text **(O)**	Specifies the text of the message. For example: `Enter Query`

Message Category

A message category includes content for messages that Siebel CRM displays in the client, messages in the swe:messages tag, other messages that the Siebel Web Engine uses, and error messages that you define.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Message Category

Table 153 describes properties that Siebel CRM uses with a message category.

Table 153. Properties of the Message Category

Property	Description
Name **(R)**	Specifies the name of the message category. For example: `User Defined Errors`

Message Locale

A message locale defines the language overrides that Siebel CRM uses with a message.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Message Category > Message > Message Locale

Table 154 describes properties that Siebel CRM uses with a message locale.

Table 154. Properties of the Message Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Text **(O)**	Specifies the text of the message.

Pager Object Type

This topic describes Pager object type.

Pager Object

A pager object defines properties of business components that Siebel CRM uses to populate the default data in the Send Page applet.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Pager Object

Table 155 describes properties that Siebel CRM uses with a pager object.

Table 155. Properties of the Pager Object

Property	Description
Alpha Template **(O)**	Specifies the template that Siebel CRM uses to create default text to page an alphanumeric pager. It can include placeholders for business components field that Siebel CRM substitutes with real values at run time. The value for the Alpha Template property can contain the name of any template file that exists in the following user directory: `MSGTEMPL\`*language*
Business Component **(R)**	Specifies the business component that includes the paging-related properties. You can specify any business component that includes references to employees or fields that store data about pagers.
Employee Field **(O)**	Specifies the business component field that contains the login name of the employee that Siebel CRM must page. Siebel CRM locates this login name in the Employee business component that contains the default phone number and pager ID. If the Phone Field property and the PIN Field property contain values, then Siebel CRM ignores the Employee Field property.
Name **(S)**	For Oracle use only. You must not modify this property.
Numeric Template **(O)**	Specifies the template that Siebel CRM uses to create the default message text it uses when it pages a numeric pagers. It can include placeholders for business components field that Siebel CRM substitutes with real values at run time. The value for the Numeric Template property can contain the name of any template file that exists in the following user directory: `MSGTEMPL\`*language*
Phone Field **(O)**	Specifies the business component field that contains the *computer paging phone number* that Siebel CRM uses when it sends a page. This computer paging phone number is different from the personal phone number assigned to some pagers. It is also different from the phone number to page a touch-tone phone. Typically there is only one computer paging phone number available for each pager company. This number must support the TAPI protocol that computer paging uses.
PIN Field **(O)**	Specifies the business component field that contains the PIN (Personal Identification Number) or pager ID of the pager that Siebel CRM must page. This number is typically a six or seven digit number that identifies a pager.

Pick List Object Type

This topic describes Pick List object type.

Pick List

A pick list lists valid values for a control or list column. To specify source and destination fields, you use a pick map. You do not specify source and destination fields in a pick list. For more information, see "Pick Map" on page 147.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Pick List

Table 156 describes properties that Siebel CRM uses with a pick list.

Table 156. Properties of the Pick List

Property	Description
Bounded **(O)**	If TRUE, then the user must use a value from the list of values that the drop-down list contains.
Business Component **(R)**	Specifies the name of the business component that Siebel CRM uses to populate values in the list of values.
Long List **(O)**	If TRUE, then Siebel CRM attempts to position the cursor on the current value in a long list of values. If the Long List property is TRUE, then the picklist returns a large set of values. To avoid affecting performance when the user scrolls or positions the cursor on the current value in the field, Siebel CRM does not immediately update field values for the current record. If the picklist contains more than 500 records, then it is recommended that you set the Long List property to TRUE.
Name **(R)**	Specifies the name of the picklist. The name must be unique among picklists. Other objects use this name to reference this picklist. The name can contain spaces.
No Delete **(O)**	If TRUE, then the user cannot delete a value from this picklist.
No Insert **(O)**	If TRUE, then the user cannot insert a value in this picklist.
No Merge **(O)**	If TRUE, then the user cannot merge two existing picklist values into a single value.
No Update **(O)**	If TRUE, then the user cannot update a value in this picklist.

Table 156. Properties of the Pick List

Property	Description
Search Specification **(O)**	Specifies the search specification that Siebel CRM uses for this picklist. This specification is addition to the condition that the Search Specification property of the business component specifies. The Business Component property of this picklist specifies this business component.
Sort Specification **(O)**	Specifies the sort specification that Siebel CRM uses for this picklist. This specification replaces the condition that the Sort Specification property of the business component specifies. The Business Component property of this picklist specifies this business component.
Static **(O)**	You can use one of the following values: ■ **TRUE.** Use a static picklist. Get values for this picklist from a predefined list of values. A static picklist typically uses the PickList Generic or PickList Hierarchical business component. These business components display data that an administrator enters in the List of Values administration views. Siebel CRM displays a static picklist as a drop-down menu. For more information, see *Siebel Developer's Reference*. ■ **FALSE.** Use a dynamic picklist. Get the values for this picklist from the business component that the Business Component property specifies. Siebel CRM uses a pick applet dialog box to display a dynamic picklist.
Type Field **(O)**	Specifies the name of a business component field that Siebel CRM uses to get a set of records. It uses this field name with the Type Value property of this picklist.
Type Value **(O)**	Specifies the data value that Siebel CRM uses to get a set of records.
Visibility Auto All **(O)**	If TRUE, and if the user: ■ Can access any All views, then Siebel CRM sets visibility for the picklist business component to All. ■ Cannot access any All views, then the Visibility Type property determines visibility.
Visibility Type **(O)**	Specifies the visibility type if Siebel CRM uses values from the business component that this picklist references. For more information, see the description for the Visibility Auto All property of this picklist.

Project Object Type

This topic describes Project object type.

Project

A project organizes object definitions and allows you to lock objects. Every object definition in the repository except for repositories or projects must belong to a project. If an object definition has a parent, then the child resides in the same project as the parent. For example, a field is a child of a business component.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Project

Table 157 describes properties that Siebel CRM uses with a project.

Table 157. Properties of the Project

Property	Description
Allow Object Locking	Specifies to allow you to lock an object, such as an applet or a business component.
Language Locked **(S)**	Specifies the language that Siebel CRM uses when it locks a record. It uses the current language that Siebel Tools is using. For example, ENU, JPN, DEU.
Locked **(O)**	If TRUE, then this project is currently locked.
Locked By Name **(O)**	If the Locked property is TRUE, then the Locked By Name property displays the name of the person who locked the project.
Locked Date **(O)**	If the Locked property is TRUE, then the Locked Date property displays the date and time when someone locked the project.
Name **(R)**	Specifies a unique name for this project.
Owner Branch	Reserved for future use.

Report Object Type

This topic describes object types that are related to reports.

Report

To get help from Oracle with configuring Report object types, you can create a service request (SR) on My Oracle Support. Alternatively, you can phone Global Customer Support directly to create a service request or to get a status update on your current SR. Support phone numbers are listed on My Oracle Support. You can also contact your Oracle sales representative for Oracle Advanced Customer Services to request assistance from Oracle's Application Expert Services.

The following object types are for Oracle use only:

- Report

- Report Field
- Report Locale
- Sub Report
- Sub Report Field
- View Report
- View Report Locale

Repository Object Type

This topic describes the Repository object type.

Repository

A repository includes tables in a database where Siebel CRM stores object definitions.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Repository

Table 158 describes properties that Siebel CRM uses with a repository.

Table 158. Properties of the Repository

Property	Description
Name **(S)**	Specifies the name of the repository.

Schema Maintenance Object Types

This topic describes the Schema Maintenance object type and object types that are children of this object type.

Schema Maintenance

The following object types are for Oracle use only:

- Schema Maintenance Dependent Step
- Schema Maintenance Phase
- Schema Maintenance Phase Usage

- Schema Maintenance Platform Path
- Schema Maintenance Process
- Schema Maintenance Process Variable
- Schema Maintenance Step
- Schema Maintenance Step From
- Schema Maintenance Step Database Implementation
- Schema Maintenance Step Implementation
- Schema Maintenance Step To

Screen Object Types

This topic describes the Screen object type and object types that are children of this object type. It includes the following topics:

- Screen on page 225
- Screen Locale on page 227
- Screen View on page 227
- Screen View Locale on page 229

Screen

A screen organizes views.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Screen

Table 159 describes properties that Siebel CRM uses with a screen.

Table 159. Properties of the Screen

Property	Description
Bitmap Category **(O)(H)**	Specifies the name of the bitmap category that contains the definitions of the bitmap objects that this screen uses. For example, the Accounts bitmap category contains bitmap object definitions for the following items: ■ Logo bitmap that Siebel CRM displays at the top of the view bar in the Accounts screen. ■ Screen Tab Icon bitmap that Siebel CRM displays on the tab of the Accounts screen. The Accounts screen uses this Accounts bitmap category.
Default View **(O)**	Specifies the view that Siebel CRM displays if the user clicks a page tab for the screen. The view must be an entry in the screen view of the current screen. For example: `Account List View`
Help Identifier **(O)**	Specifies a help ID for a screen that includes help. For example: `ID_SCREEN_ACCOUNTS`
ICL Upgrade Path	For more information, see "Common Object Properties" on page 15.
Name **(R)**	Specifies the name of a screen. Other objects use this name to reference this screen. For example: `Accounts Screen`
Unrestricted Viewbar **(O)(H)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays all the views that the screen contains even if a view does not reference the same business object that this screen references. It displays these views in the view bar. ■ **FALSE.** Siebel CRM displays only the views that reference the same business object that this screen references. If you require the thread bar to display these views, then do not set the Unrestricted Viewbar property to FALSE.
Upgrade Behavior	For more information, see "Common Object Properties" on page 15.
Viewbar Text **(O)**	Specifies the label that Siebel CRM displays below the optional Logo bitmap in the view bar. For example: `Accounts`

Screen Locale

A screen locale defines language overrides that Siebel CRM uses with a screen.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Screen > Screen Locale

Table 160 describes properties that Siebel CRM uses with a screen locale.

Table 160. Properties of the Screen Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Viewbar Text **(O)**	Specifies the label that Siebel CRM displays below the optional Logo bitmap in the view bar.

Screen View

A screen view defines the collection of views for a screen.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Screen > Screen View

Table 161 describes properties that Siebel CRM uses with a screen view.

Table 161. Properties of the Screen View

Property	Description
Category Default View **(O)**	Specifies the default view for this screen view. Siebel CRM uses the Category Default View property only if the Type property of this screen view is Aggregate Category or Detail Category. If the Category Default View does not contain a value, then Siebel CRM uses the first available view for the Category or the Default View that is defined for the screen.
Category Name **(O) (R)**	Specifies the name of the category that Siebel CRM uses to group similar views in this screen view. If the Type property of this screen view is Aggregate Category or Detail Category, then the Category Name property is required.
Client Restriction **(O)**	Specifies if Siebel CRM displays this screen view in a client. For example: `Handheld Client Only`

Table 161. Properties of the Screen View

Property	Description
Display In Page **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM displays this screen view in the client. If the Type property of this screen view is Aggregate Category or Detail Category, then the Display In Page property must be TRUE. ■ **FALSE.** Siebel CRM displays this screen view as hidden in the View Tab layout.
Display In Site Map **(O)**	If TRUE, then Siebel CRM displays this screen view in the Site Map in the client.
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the Site Map for this screen view. For more information, see "Setting the Menu Text and Viewbar Text Properties of a Screen View" on page 229.
Object Manager Restriction **(O)**	You can use the following values: ■ **NULL.** This screen view is available if the Application Object Manager runs on any server that Siebel CRM supports. ■ **NT Only.** This screen view is available only if the Application Object Manager runs on a Windows server. The UNIX Support property of the applet or business component class might not allow Siebel CRM to display this screen view in a UNIX environment.
Parent Category **(O) (R)**	Specifies how Siebel CRM organizes a view in a category or how it associates a detail category with an aggregate category. If the Type property of this screen view is: ■ **Detail View or Detail Category.** The Parent Category property is required. ■ **Aggregate View.** The Parent Category property is optional. ■ **Aggregate Category.** The Parent Category property must be empty.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display the view in the submenu of the screen view. You can sequence the views that Siebel CRM displays on the view bar but not the categories. Siebel CRM displays categories last in the list. This property can contain only an integer.
Status Text **(O)**	Not used.

Table 161. Properties of the Screen View

Property	Description
Type **(R)**	Specifies the type of screen view. A screen view is one of the following: ■ A view ■ A group of views or categories
View **(R)**	Specifies the view that Siebel CRM includes in the screen view. For example: `Detail - Contacts View`
Viewbar Text **(O)**	Specifies the Text that Siebel CRM displays on a view tab, a drop-down list, or a link for a view or category. For more information, see "Setting the Menu Text and Viewbar Text Properties of a Screen View" on page 229.

Setting the Menu Text and Viewbar Text Properties of a Screen View

In this example, the following screen views are of type Category Detail:

- Account Detail-A View
- Account Detail-B View
- Account Detail-C View

Table 162 describes an example that displays all these screen views in the Site Map and only displays screen views A and B in the view bar.

Table 162. Example of Setting the Menu Text and Viewbar Text Properties of a Screen View

Screen View	Type	Category Menu Text	Viewbar Text
Account Detail-A	Category Detail	Account Detail	Detail
Account Detail-B	Category Detail	Account Detail	Detail
Account Detail-C	Category Detail	Account Detail	Not applicable.

Screen View Locale

A screen view locale defines language overrides that Siebel CRM uses with a screen view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Screen > Screen View > Screen View Locale

Table 163 describes properties that Siebel CRM uses with a screen view locale.

Table 163. Properties of the Screen View Locale

Property	Description
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the Site Map for this View or Category.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Status Text **(O)**	Not used.
Viewbar Text **(O)**	Specifies the text that Siebel CRM displays on a view tab, drop down list, or link for a screen view or category.

Server Component Object Types

This topic describes the Server Component object type and object types that are children of this object type. It includes the following topics:

- Server Component Event Subtype on page 230
- Server Component Event Type on page 231
- Server Component Parameter on page 231
- Server Component State Value on page 233
- Server Component Statistic on page 234
- Server Component Subsystem on page 234
- Server Component Type on page 235

Server Component Event Subtype

A server component event subtype is a code reference that specifies an event.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component Event Type > Server Component Event Subtype

Table 164 describes properties that Siebel CRM uses with a server component event subtype.

Table 164. Properties of the Server Component Event Subtype

Property	Description
Code Symbol **(S)**	Specifies this server component event subtype as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Display Name **(S)**	Specifies the name of this server component event subtype that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of the object definition.

Server Component Event Type

A server component event type specifies an event for a server component.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component Event Type

Table 165 describes properties that Siebel CRM uses with a server component event type.

Table 165. Properties of the Server Component Event Type

Property	Description
Code Symbol **(S)**	Specifies this server component event type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Display Name **(S)**	Specifies the name of this server component event type that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of the object definition.

Server Component Parameter

A server component parameter specifies parameters in a server component type.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component Parameter

Table 166 describes properties that Siebel CRM uses with a server component parameter.

Table 166. Properties of the Server Component Parameter

Property	Description
Code Symbol **(S)**	Specifies this server component parameter type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Component Definition Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Component Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Data Type **(S)**	Specifies the data type for the values this server component parameter contains.
Default Value **(S)**	Specify a default value for this server component parameter.
Display Name **(S)**	Specifies the name of this server component parameter event type that Siebel CRM displays in the Server Manager.
Enterprise Settable **(S)**	If TRUE, then Siebel CRM sets this server component parameter for the entire enterprise. The settable flags specify the levels at which Siebel CRM sets this parameter, from enterprise down through a server task. For example, if the value for a server component parameter is set at level A, then all levels below level A use this value.
Name **(S)**	Specifies the name of the object definition.
Performance Impact	Not used.
Pick List **(S)**	Specifies the name of the picklist.
Requires Component Reconfig **(S)**	If TRUE, then Siebel CRM can modify the configuration for a server component. This modification affects server tasks that start after a modification occurs but allows existing server tasks to continue running using the old configuration. A new server task automatically uses the new configuration but these modifications might not affect some arguments until Siebel CRM reconfigures the server component. Setting the Requires Component Reconfig property to TRUE allows Siebel CRM to update these arguments.
Requires Server Reconfig	Similar to the Requires Component Reconfig property except applies to the server.
Server Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Task Settable **(S)**	For more information, see the description for the Enterprise Settable property.

Table 166. Properties of the Server Component Parameter

Property	Description
Text Length **(S)**	Specifies the maximum text length in characters.
Visibility	Not used.

Server Component State Value

A server component state value contains data about the current operation of a server task or server component. A server task periodically updates state values that describe current processing, such as the current phase of an operation. The state for a server component describes the state of the entire server component.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component State Value

Table 167 describes properties that Siebel CRM uses with a server component state value.

Table 167. Properties of the Server Component State Value

Property	Description
Code Symbol **(S)**	Specifies this server component state value as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Data Type **(S)**	Specifies the data type of the values that this server component state value contains.
Display Name **(S)**	Specifies the name of the component state value type that Siebel CRM displays in the Server Manager.
Level **(S)**	Specifies the level that Siebel CRM uses for this server component state value.
Name **(S)**	Specifies the name of this server component state value.
Text Length **(S)**	Specifies the maximum text length in characters.
Visibility	Not used.

Server Component Statistic

A server component statistic records statistics at the server task level for server component tasks. You can use these statistics to monitor the progress and performance of a server component or to optimize system performance.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component Statistic

Table 168 describes properties that Siebel CRM uses with a server component statistic.

Table 168. Properties of the Server Component Statistic

Property	Description
Calculated **(S)**	If TRUE, then Siebel CRM calculates this server component statistic.
Calculated Value **(S)**	Specifies the script for the calculation.
Code Symbol **(S)**	Specifies this server component statistic as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Data Type **(S)**	Specifies the data type of the value that Siebel CRM saves for this server component statistic.
Display Name **(S)**	Specifies the name of the server component statistic that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of this server component statistic.
Visibility	Not used.

Server Component Subsystem

A server component subsystem defines a subsystem of the server component type object.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type > Server Component Subsystem

Table 169 describes properties that Siebel CRM uses with a server component subsystem.

Table 169. Properties of the Server Component Subsystem

Property	Description
Name **(S)**	Specifies the name of this server component subsystem.
Subsystem **(S)**	Specifies the name of the subsystem.

Server Component Type

A server component type supports multiple server component types. Each of these types performs a function or job.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Server Component Type

Table 170 describes properties that Siebel CRM uses with a server component type.

Table 170. Properties of the Server Component Type

Property	Description
Background Mode	If TRUE, then a server component that uses this server component type can run in the background.
Batch Mode	If TRUE, then a server component that uses this server component type can run in batch.
Code Symbol **(S)**	Specifies this server component type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Debug Only	If TRUE, then a server component that uses this server component type can run only in debug mode.
Display Name **(S)**	Specifies the name of this server component type that Siebel CRM displays in the Server Manager.
Interactive	If TRUE, then a server component that uses this server component type can interactive.
Key Based Routing **(S)**	If TRUE, then some batch mode components can control how Siebel CRM partitions and routes a request. These batch mode components can register a key or a set of keys so that each key only gets the requests that match the key.
Name **(S)**	Specifies the name of the object definition.

String Object Types

This topic describes the String object type and object types that are children of this object type. It includes the following topics:

- String (H) on page 236
- String Map (H) on page 236

String (H)

A string is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > String Map (H) > String

String Map (H)

A string map is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > String Map

Symbolic String Object Types

This topic describes the Symbolic String object type and object types that are children of this object type. It includes the following topics:

- Symbolic String (H) on page 236
- Symbolic String Locale on page 238

Symbolic String (H)

A symbolic string includes text that Siebel CRM displays in the client. Many objects include a translatable string property, such as the caption of a Control object. To get a string value, the string reference property of this object can reference a symbolic string. For example, the Caption - String Reference property can reference a symbolic string. To support separate languages, Siebel CRM can save the contents of a symbolic string in one or more child symbolic string locale objects. For example, the SBL_ACCOUNTS-0910145428-0HN symbolic string might include two symbolic string locale children, where one child contains a display value for English, such as Account, and another child contains a display value for German, such as Kunde.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Symbolic String

Table 171 describes properties that Siebel CRM uses with a symbolic string.

Table 171. Properties of the Symbolic String

Property	Description
Approval Flag **(O)**	For Oracle use only.

Current String Value	Specifies the text that Siebel CRM displays in the client. Siebel Tools automatically determines this value. It uses the value that the String Value property of the child symbolic string locale contains. It uses the symbolic string locale for the language that is currently active in Siebel Tools. For example, if the Siebel Tools language mode is German, then Siebel Tools displays the following value in the Current String Value property for the SBL_ACCOUNTS-0910145428-0HN symbolic string:
	`Kunde`
	If you modify the Siebel Tools language mode to English, then it displays the following value in the Current String Value property:
	`Accounts`
	Although Siebel Tools calculates the value that it displays in this property, you can edit this value. If you edit the value in the Current String Value property, then Siebel Tools modifies the value that the String Value property contains. This is a property of the child symbolic string locale for the language mode that is currently active in Siebel Tools.

Definition **(O)**	Specifies the text of this symbolic string.
Glossary Flag **(O)**	For Oracle use only.
Name **(R)**	Specifies the name of this symbolic string. It must be unique among symbolic strings. Other objects use this name to reference this symbolic string. The name of each predefined symbolic string begins with the SBL_ prefix and contains an uppercase version of the ENU string value for this symbolic string. For example, the following name is the ENU value for the Accounts symbolic string: `SBL_ACCOUNTS-0910145428-0HN`
Type **(O)**	Specifies the type of symbolic string. Siebel CRM converts each predefined symbolic string. It sets the Type property for each of these symbolic strings to Conversion. This Type property can include one of the following values: ■ Conversion ■ Private

Symbolic String Locale

A symbolic string locale defines the language display values for a symbolic string.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Symbolic String (H) > Symbolic String Locale

Table 172 describes properties that Siebel CRM uses with a symbolic string locale.

Table 172. Properties of the Symbolic String Locale

Property	Description
String Value **(R)**	Specifies the text string that Siebel CRM displays in the client for a language. For example: Kunde
Symbolic String Name	Specifies the symbolic string that Siebel CRM uses to associate the string values that the symbolic string locale contains with the parent symbolic string. The Symbolic String Name property can contain the name of any existing symbolic string. For example: SBL_#_OF_CONCURRENT_LICENSES-1004225906-00M

System Activity Object Types

This topic describes the object type known as the System Activity Object.

System Activity Object

A system activity object defines the properties of a business component that Siebel CRM uses to create activities that some commands require, such as the Send Mail or Send Page command.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > System Activity Object

Table 173 describes properties that Siebel CRM uses with a system activity object.

Table 173. Properties of the System Activity Object

Property	Description
Account Id Field **(O)**	Specifies the field that contains the row ID of the account that Siebel CRM must associate with the activity.
Business Component **(R)**	Specifies the business component that includes data that Siebel CRM requires to create an activity. For example, assume the Service Request business component includes a system activity object. To create an activity that sends a communication, Siebel CRM can use data in the service request, such as the account Id.
Contact Id Field **(O)**	Specifies the field that contains the row ID of the contact that Siebel CRM must associate with the activity.
Defect Id Field **(O)**	Specifies the field that contains a defect row ID value that Siebel CRM can use to populate the Activity Defect Id field of the new activity.
Opportunity Id Field **(O)**	Specifies the field that contains the row ID of the opportunity that Siebel CRM must associate with the activity.
Service Request Id Field **(O)**	Specifies the field that contains the row ID of the service request that Siebel CRM must associate with the activity.
Source Id Field **(O)**	Specifies the field that contains a campaign row ID value that Siebel CRM can use to populate the Campaign Id field of the activity.

Table Object Types

This topic describes the Table object type and object types that are children of this object type. It includes the following topics:

- Column on page 240
- Data Source (H) on page 245
- Index on page 246
- Index Column on page 248
- Table on page 248
- User Key on page 251
- User Key Attribute on page 251
- User Key Attribute Join on page 252
- User Key Attribute Tree Node on page 252
- User Key Column on page 253

Column

A column corresponds to one column in a database table.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > Column

Table 174 describes properties that Siebel CRM uses with a column.

Table 174. Properties of the Column

Property	Description
Alias **(O)**	Not used.
ASCII Only **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM uses only ASCII text in columns. ■ **FALSE.** Siebel CRM does not use only ASCII text in columns.
Cascade Clear **(O)**	For Oracle use only.

Table 174. Properties of the Column

Property	Description

Computation Expression **(O)**	Specifies a computation that Siebel CRM uses on a field if it saves this field to the Siebel database.
	
	For example, to encrypt a value while Siebel CRM writes it to the Siebel database, you can use the following value in the Computation Expression property:
	
	`SiebelEncrypt.RC2([`*`column_name`*`])`
	
	where:
	
	■ *column_name* identifies the column that Siebel CRM must encrypt.
	
	For example:
	
	`SiebelEncrypt.RC2([PAY_ACCNT_NUM])`
	
	You can use this property for Case-insensitive and Accent-Insensitive (CIAI) search functionality. For example:
	
	`CIAI([`*`column_name`*`])`
	
	where:
	
	■ *column_name* identifies a column that contains all uppercase, nonaccented characters. You can then use this value in an index that allows Siebel CRM to search without respect to case or accent.
	
	For example:
	
	`Account Name ([S_ORG_EXT.NAME])`
	
	where:
	
	■ NAME might reference a column that includes a value of La Française. Because this expression is difficult search, CIAI uses the `CIAI([NAME])` computation expression to save this value. If Siebel CRM saves an account, then it updates the value in the column as LA FRANCAISE.
	
	If you search for a string that is similar to `la franca*`, `LA F*`, then the Application Object Manager uses this column to find a match. It is not necessary for you to consider case or accent.

Default **(O)**	For Oracle use only.
Default Insensitivity **(O)**	Specifies to use a normal search or translate to CIAI mode. To view the values you can use, click the Default Insensitivity property in Siebel Tools.
Denormalization Path **(O)**	For Oracle use only.

Table 174. Properties of the Column

Property	Description
EIM Processing Column Flag **(O)**	For Oracle use only.
Encryption Key Specifier	Specifies where to save the encryption key for an encrypted field. This field is only required for a SiebelEncrypt computation expression. For more information, see the Computation Expression property for this object type.
FK Column 1:M Rel Name **(O)**	For Oracle use only.
FK Column M:1 Rel Name **(O)**	For Oracle use only.
Force Case **(O)**	Specifies the case of the letters that the column can contain, such as Lower. To view the values you can use, click the Force Case property in Siebel Tools.
Foreign Key Table (Foreign Key Table Name) **(O)**	Specifies the table to which this column is a foreign key. EIM uses this value. You must leave this property empty in an extension column.
Inactive	Specifies to make the column active or inactive. If TRUE, then Siebel CRM does not create this column when it installs the server database.
LOV Bounded **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM must populate any field that references this column with a value from the list that the LOV Type property identifies. It must first import LOV data into the S_LST_OF_VAL table and you must specify the LOV Type property. EIM can then examine the values it imports from the list that the LOV Type property identifies. ■ **FALSE.** There is no restriction on the values that Siebel CRM populates in a field that references this column. The LOV Bounded property is read-only for a column that comes predefined with Siebel CRM. It is editable for a column that you add through the Database Extension Designer.
LOV Type **(O)**	Specifies the list of values that Siebel CRM uses to validate this column. To define this list of values, you use the List Of Values administration views in the client. The LOV Type property is read-only for a column that comes predefined with Siebel CRM. It is editable for a column that you add through the Database Extension Designer. For more information, see the description for the LOV Bounded property.

Table 174. Properties of the Column

Property	Description
Name **(R)**	Specifies the name for this column. This name must be unique in the table.
No Match Value **(O)**	Specifies the string that Siebel CRM uses if it cannot match the primary Id field. You can configure this property only for the primary key column of a table that an external business component references, and only if this business component creates RowId values that might conflict with the default No Match Row Id string. If the No Match Value property is empty, then Siebel CRM uses No Match Row Id as the default string.
Nullable **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM can save NULL in this column in the Siebel database. ■ **FALSE.** Siebel CRM cannot save NULL in this column in the Siebel database.
Physical Type Name (Physical Type) **(R)**	Specifies the data type of the column in the Siebel database. You can use one of the following values: ■ **Character.** Fixed-length text. ■ **Date.** Date values only without time. ■ **Date Time.** Date and time values in the same column. ■ **Long.** Long text. ■ **Number.** Any numeric data. ■ **Time.** Time values only without the date. ■ **UTC Date Time.** Time in Greenwich Mean Time (GMT). ■ **Varchar.** Variable-length text.
Precision **(R)**	For more information, see "About the Scale and Precision Properties" on page 17.
Primary Child Col **(S)**	EIM uses this property. For Oracle use only.
Primary Child Column Name **(O)**	Specifies the name of the column that contains the primary ID value.
Primary Child Join Column Name **(O)**	Specifies the name of the child table column where Siebel CRM joins the record.
Primary Child Table Name **(O)**	Specifies the name of the table where Siebel CRM can locate the primary child.
Primary Inter Table Name (Primary Inter Table) **(O)**	EIM uses this property. For Oracle use only.

Table 174. Properties of the Column

Property	Description
Primary Join Column Name **(O)**	Specifies the name of the column that Siebel CRM uses to join the record.
Primary Key **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM uses this column as part of the primary key of the table. ■ **FALSE.** Siebel CRM does not use this column as part of the primary key of the table.
Required **(O)**	You can use one of the following values: ■ **TRUE.** Siebel CRM requires a value in this column. This requirement is true even if the Siebel database allows an empty value in this column. ■ **FALSE.** Siebel CRM does not require a value in this column.
Scale **(O)**	For more information, see "About the Scale and Precision Properties" on page 17.
Sequence **(O)**	Specifies the order that Siebel CRM uses to save the columns of a cluster index. This property can contain only an integer. This property applies primarily with the MSSQL server. You can use it with other servers.
Sequence Object **(O)**	Specifies the name of the RDBMS utility that creates a unique sequence number for the table column. For Oracle use only.
Status	Specifies the state of the column, such as Active. To view the values you can use, click the Status property in Siebel Tools.
System Field Mapping **(O)**	Specifies an alternative way to map the column to a system field. You can configure this property only for a table that an external business component uses. To view the values you can use, click the System Field Mapping property in Siebel Tools.
Text Length **(O)**	Specifies the length in characters for a text or varchar column. The column size in Siebel Tools is not the same as the column size in the physical database. For more information about this difference, see 531960.1 (Article ID) on My Oracle Support.
Translation Table Name **(O)**	Specifies the name of the translation table.
Txn Log Code **(O)**	Not used.
Type **(S)**	Specifies the column type.

Table 174. Properties of the Column

Property	Description
Use FKey **(S)**	You can use one of the following values: ■ **TRUE.** To determine visibility, Siebel CRM uses this column as a foreign key during synchronization. ■ **FALSE.** Siebel CRM does not use this column as a foreign key. You must leave this column at the default FALSE setting for an extension column.
User Key Sequence **(O)**	Specifies the sequence that Siebel CRM uses to place this column in the user key. For example, if you set the User Key Sequence property for Column A to 1, then Siebel CRM places Column A in the first position in the user key.
User Name **(R)**	Specifies the user-friendly name for the column.
Valid Condition **(O)**	Specifies the expression that Siebel CRM uses to validate a column value.

Properties for Custom Extension Columns

If you configure a custom extension column, then you must set only the following properties:

- Comments
- Default
- Foreign Key Table Name
- Inactive
- LOV Bounded
- LOV Type
- Name
- Nullable
- Physical Type
- Precision
- Scale
- Text Length

Data Source (H)

A data source specifies the data source that the Application Object Manager uses to connect to an external table. You define this object only for a table that does not reside in the Siebel database.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Table > Data Source

Table 175 describes properties that Siebel CRM uses with a data source.

Table 175. Properties of the Data Source

Property	Description
Name **(R)**	Specifies the name of the data source. This name must match one of the following items: ■ The value that the DataSources section specifies in the application configuration file ■ The Alias name of an InfraDatasources server component type

Index

An index creates a new index to improve performance of queries.

CAUTION: If you create a new index, then use caution. An index can decrease performance and use significant disk space.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Table > Index

Table 176 describes properties that Siebel CRM uses with an index.

Table 176. Properties of the Index

Property	Description
Alias **(O)**	Specifies the short name for the index.
Allow Reverse Scan **(O)**	If TRUE, then Siebel CRM creates the index with a backward page reference and a forward page reference. This configuration allows Siebel CRM to read the index backwards. The Allow Reverse Scan property applies only to a DB2 or a UDB database.

Table 176. Properties of the Index

Property	Description
Based on Index	Specifies a replacement index. For example, assume the following occurs: 1 A NAME index exists on the S_ORG_EXT table. 2 A LOC index exists on the S_ORG_EXT_Un table. 3 You enable CIAI (Case-Insensitive and Accent-insensitive). 4 Siebel CRM creates new columns named NAME_CIAI and LOC_CIAI. 5 You create an index named S_ORG_EXT_Un_C1 and set the Based on Index property of this index to S_ORG_EXT_Un. 6 In this situation, the Application Object Manager uses S_ORG_EXT_Un_C1 instead of S_ORG_EXT_Un.
Cluster **(O)**	If TRUE, then Siebel CRM clusters the table on this index. For example, it physically saves the rows in the order that the index columns specify. The Cluster property applies only to a DB2 or a UDB database.
Cluster 2 **(O)**	If TRUE, then Siebel CRM appends this cluster key to all other indexes. The Cluster 2 property applies to the MSSQL server. It is applicable only to unique indexes.
Name **(R)**	Specifies the unique name.
Number of Unique Columns **(S)**	If Siebel CRM populates this property, then the value it populates equals the number of columns that participate in the uniqueness constraint. Siebel CRM sets the Include Only property to TRUE for the columns that do not participate in the uniqueness constraint. In this situation, the number of columns in the index is more than the value that the Number of Unique Columns property contains. The Number of Unique Columns property applies only to a DB2 or a UDB database. It is applicable only to unique indexes.
Partition Indicator	Specifies the partition that Siebel CRM uses with some databases to indicate where to place the index.
Target Platform	Specifies the platform that Siebel CRM uses with some databases to indicate the platform.
Type **(O)**	Specifies the index type.
Unique **(O)**	If TRUE, then this index is unique. A unique index prevents multiple rows that include the same values in each of the index columns.

Table 176. Properties of the Index

Property	Description
User Name **(R)**	Specifies the user-friendly name for the index.
User Primary Key **(O)**	If TRUE, then EIM enforces uniqueness on this index. Siebel Enterprise Integration Manager (EIM) uses this property.

Index Column

An index column creates a new index column.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > Index > Index Column

Table 177 describes properties that Siebel CRM uses with an index column.

Table 177. Properties of the Index Column

Property	Description
Column Name **(R)**	Specifies the name of the column in the index.
Name **(R)**	Specifies the name of the index column.
Sequence **(R)**	Specifies the position of the index column in the index.
Sort Order **(O)**	Specifies how Siebel CRM sorts the values in the index column. Starting with Siebel CRM version 8.1, to populate the repository, Siebel CRM sets the Sort Order property to Asc as the default value. If the index column is a Date type, then it sets the Sort Order property to Desc.

Table

A table creates a new table to save additional attributes.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table

Table 178 describes properties that Siebel CRM uses with a table.

Table 178. Properties of the Table

Property	Description
Abbreviation 1 **(O)** Abbreviation 2 **(O)** Abbreviation 3 **(O)** Abbreviation 4 **(O)** Abbreviation 5 **(O)** Abbreviation 6 **(O)**	Specifies an alternative abbreviation for the table. You must not modify the abbreviations that the EIM Generator and wizard use to determine how to name interface table columns in foreign key mappings.
Alias **(O)**	Not used.
Append Data **(O)**	If TRUE, then Siebel CRM inserts any new rows it creates at the end of the table. If a clustered index exists on this table, and if the Append Data property is TRUE, then Siebel CRM cannot access any new rows that it appends to this table.
Base Table Name **(R)**	Specifies the name of the base table. If the Type property of this table is Ext or Journal, then Siebel CRM extends or journals the table that the Base Table Name property specifies.
Dflt Mapping Col Name Prefix **(S)**	Specifies the default prefix that Siebel CRM uses. If Siebel CRM creates an interface table column, then it adds this prefix to the name of this column. For Oracle use only.
External API Write	If TRUE, then the following applies: ■ An external API handles any insert, update, or delete in any external table. ■ The BusComp_PreWriteRecord must include a script that publishes the insert, update, or delete to this external API.
File **(O)**	If TRUE, then Siebel CRM uses this table to save file attachment data.
Group **(O)**	Specifies to group tables. Siebel CRM uses this property only for an IBM System 390. It places tables in groups that correspond to dock objects. It groups these tables according to table size, access frequency, and so on.
Key Generation Business Service	Specifies the business service that Siebel CRM uses to create the primary key for the business component. If this property is empty, then Siebel CRM uses the default row Id generator for tables that include a column that corresponds to the Id system field.

Table 178. Properties of the Table

Property	Description
Key Generation Service Method	Specifies the name of the business service method that Siebel CRM calls when it creates the primary key for the business component.
Name **(R)**	Specifies a unique name for this table.
Node Type	Specifies the client type that can use this table. For example, if you set this property to Mobile Only, then Siebel CRM includes this table in the Remote client database but not on the Siebel Server.
Owner Organization Specifier	Not used.
Parent Table Column1 Name **(O)**	Specifies the column that references the primary parent if this table is a child table or intersection table.
Parent Table Column2 Name **(O)**	Specifies the column that references the second parent if this table is an intersection table.
Status **(O)**	Specifies the current status of this table. It can include one of the following values: ■ **ACTIVE.** Use this table in the current version of Siebel CRM. ■ **INACTIVE.** Discontinue and do not support this table in the current version of Siebel CRM. You must move any extension column that resides on an inactive table to another table. For example, you must the S_EMPLOYEE table to one of the following tables: ■ S_CONTACT ■ S_USER ■ S_EMP_PER ■ **EOL (End of life).** Do not use this table in the current version of Siebel CRM. You must delete this table because Siebel CRM no longer uses it. For example, Siebel CRM no longer uses the S_*_IF tables. ■ **NOT USED.** Use this table in the current version of Siebel CRM. Siebel CRM objects do not use this table in the current version but you can continue to use it. For example, you can use tables for docking or EIM.
Type **(S)**	Specifies the type for this table.
User Name **(R)**	Specifies the name for this table.
Volatile **(O)**	If TRUE, then Siebel CRM does not use the statistics that the runstats utility creates on the Siebel database for this table.

User Key

A user key specifies a set of attribute columns and other information that specifies how Siebel Enterprise Integration Manager (EIM) accesses table rows. For more information, see *Configuring Siebel Business Applications*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > User Key

Table 179 describes properties that Siebel CRM uses with a user key.

Table 179. Properties of the User Key

Property	Description
Inaccessible **(S)**	If TRUE, then EIM can access the user key.
Index Name **(S)**	Specifies the name of the index.
Name **(S)**	Specifies the name of the user key.
Source Interface Table Name **(S)**	Specifies the name of the source interface table for the user key.
User Key Type **(S)**	Specifies the type of user key of the object definition.

User Key Attribute

A user key attribute specifies one user key attribute in the set of attribute columns that identify rows in the grandparent table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > User Key > User Key Attribute

Table 180 describes properties that Siebel CRM uses with a user key attribute.

Table 180. Properties of the User Key Attribute

Property	Description
Attribute Sequence **(S)**	Specifies the position of the attribute column in user key.
Name **(S)**	Specifies the name of the attribute column.

User Key Attribute Join

A user key attribute join specifies a join operation that Siebel CRM uses to convert a user key attribute that is a foreign key to another table into attribute column values in this table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > User Key > User Key Attribute > User Key Attribute Join

Table 181 describes properties that Siebel CRM uses with a user key attribute join.

Table 181. Properties of the User Key Attribute Join

Property	Description
Join Column Name **(S)**	Specifies the name of the column that Siebel CRM uses for the join.
Join Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Join Type **(S)**	Specifies the type of join that Siebel CRM uses.
Name **(S)**	Specifies the name of the columns that Siebel CRM uses in the join.

User Key Attribute Tree Node

A user key attribute tree node specifies the tree node for a user key attribute. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications*.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > User Key > User Key Attribute Tree Node

Table 182 describes properties that Siebel CRM uses with a user key attribute tree node.

Table 182. Properties of the User Key Attribute Tree Node

Property	Description
Join Column Name **(S)**	Specifies the name of the join column.
Join Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Name **(S)**	Specifies the name of the user key.

Table 182. Properties of the User Key Attribute Tree Node

Property	Description
Previous Tree Node Name **(S)**	Specifies the name of the previous tree node.
Sub Node Table Name **(S)**	Specifies the name of the subnode table.
User Key Attribute Name **(S)**	Specifies the name of the user key attribute.

User Key Column

A user key column specifies a column for the user key. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications*.

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Table > User Key > User Key Column

Table 183 describes properties that Siebel CRM uses with a user key column.

Table 183. Properties of the User Key Column

Property	Description
Column Name **(S)**	Specifies the name of the column from the user key index.
Column Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Name **(S)**	Specifies the name of the column from the user key index.

Task Object Types

This topic describes the Task object type and object types that are children of this object type. It includes the following topics:

- Task on page 254
- Task Branch on page 256
- Task Branch Criteria on page 257
- Task Branch Criteria Value on page 258
- Task Chapter on page 258
- Task Chapter Locale on page 259
- Task Event on page 259

- Task Event IO Argument on page 260
- Task Locale on page 262
- Task Metric on page 262
- Task Property on page 263
- Task Step on page 265
- Task Step Context on page 267
- Task Step IO Argument on page 269
- Task Step Locale on page 270

Task

A task defines a user interface that guides the user through task UI completion. A task UI can include one or more task UI steps, such as a start step, subtask, decision point, or business service step.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task

Table 184 describes properties that Siebel CRM uses with a task.

Table 184. Properties of the Task

Property	Description
Allow Pause **(R)**	You can use one of the following values: **TRUE.** The user can pause this task. **FALSE.** The user cannot pause this task.
Business Object **(R)**	Specifies the name of a business object. To choose this value, you use a drop-down list in Siebel Tools. This list only includes business objects that include a primary business component.
Display Name **(R)**	Specifies the name that Siebel CRM displays in the task pane unless the Display Name - String Override property of the task group includes a value. The Display Name - String Reference property determines the value for the Display Name property. For more information about the String Reference property, see "Common Object Properties" on page 15.

Table 184. Properties of the Task

Property	Description
Inbox Disposition **(R)**	You can use one of the following values: ■ **Save A Record.** Keep the inbox item that Siebel CRM creates for this task after this task finishes. ■ **Discard Record.** Delete this inbox item after this task finishes. ■ **Do Not Care (Fastest).** Create an inbox item after this task finishes only if the user has never paused this task. This option minimizes the number of database operations that Siebel CRM must perform to maintain the task UI inbox items.
Is Subtask **(R)**	Specifies if this task is a main task or a subtask. You can uses one of the following values: ■ **TRUE.** This task is a subtask. ■ **FALSE.** This task is a main task.
Name **(S)**	Specifies the name of this task. To set the value for this property, Siebel CRM uses the value that the Task Name property contains.
On Conflict **(R)**	Specifies how to resolve a conflict that occurs while Siebel CRM writes data to the Siebel database. You can uses one of the following values: ■ **Cancel Operation.** Cancel the write operation and return the error. ■ **Continue Operation.** Use the resolution configuration to resolve the conflict and then continue the write operation. For information about resolving conflicts, see *Siebel Business Process Framework: Task UI Guide*.
Status **(S)**	Specifies the current status of this task. You can uses one of the following values: ■ **In Progress.** Editing in progress. ■ **Completed.** Editing completed and ready for activation. ■ **Not In Use.** Not in use and can be deleted.
Task Name **(R)**	Specifies the internal name of this task that the task UI controller uses to identify this task.
Transactional **(R)**	Flag that indicates if this task is transactional. You can uses one of the following values: ■ **TRUE.** This task is transactional. ■ **FALSE.** This task is not transactional.

Table 184. Properties of the Task

Property	Description
Transient BC **(O)**	Specifies the name of the transient business component associated with this task.
Version **(S)**	Specifies the version number of this task. This property is read-only. The default version is 0.

Task Branch

A task branch connects two task steps. It controls the flow of a task UI.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Branch

Table 185 describes properties that Siebel CRM uses with a task branch.

Table 185. Properties of the Task Branch

Property	Description
Label **(O)**	Specifies the text that Siebel CRM displays on this task branch in the Task Designer.
Name **(R)**	Specifies the name of this task branch.
Parent Name **(S)**	Specifies the name of the task step that contains this task branch.
Type **(R)**	Specifies the type of this task branch. You can use one of the following values: ■ **Condition.** Use a condition for this task branch. ■ **Default.** If no other conditions are met, then use this task branch. Siebel CRM ignores any conditions that are defined for this task branch. ■ **Connector.** Do not use any condition branching. ■ **Error Exception.** Use exception handling. This connector type captures system errors. For example, the Assignment Manager server component is not available. ■ **User Defined Exception.** Use exception handling. This connector type captures errors that you define. For example, the user attempts to save an incomplete order.

Task Branch Criteria

A task branch criteria specifies a list of conditions. At runtime, the task UI controller evaluates the task branch criteria. If the outcome of this evaluation for a task branch is true, then the task UI uses the path that the task branch defines.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Branch > Task Branch Criteria

Table 186 describes properties that Siebel CRM uses with a task branch criteria.

Table 186. Properties of the Task Branch Criteria

Property	Description
Applet Field Name	Specifies the name of a control in an applet. If the Compare To property is Applet, then: ■ The Applet Field Name property is required. ■ The Field drop-down list in the Compose Condition Criteria dialog box displays the controls that the applet contains.
Applet Name	Specifies the name of an applet. If the Compare To property is Applet, then the Object drop-down list in the Compose Condition Criteria dialog box displays the applets you can choose.
Business Component	Specifies the name of a business component. The business object that this task references includes this business component as a business object component. If the Compare To property is Business Component, then the Object drop-down list in the Compose Condition Criteria dialog box displays the business components that this business object references.
Business Component Field	Specifies the name of a business component field. If the Compare To property is Business Component, then: ■ The Business Component Field property is required. ■ The Field drop-down list in the Compose Condition Criteria dialog box displays the fields that this business component contains.
Compare To **(R)**	Specifies the object type that Siebel CRM uses to compare values.
Name **(S)**	Specifies the name of this task branch criteria.
Operation **(R)**	Specifies the comparison operation. For more information, see the topic about creating expressions in *Siebel Business Process Framework: Workflow Guide*.
Parent Name **(S)**	Specifies the name of the parent task branch.

Table 186. Properties of the Task Branch Criteria

Property	Description
Preferred Sequence	Specifies the order that Siebel CRM uses to examine task branch criteria. For example, assume a task includes branch A and branch B, and that the conditions for Branch A will handle most situations. To reduce the amount of processing Siebel CRM must perform, you can specify to examine task branch criteria for branch A first. If task branch criteria for branch A is met, then Siebel CRM does not examine task branch criteria for branch B.
Property Name **(R)**	Specifies the task property that Siebel CRM uses to determine the condition. The drop-down list displays the properties of the task.

Task Branch Criteria Value

A task branch criteria value is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Branch > Task Branch Criteria > Task Branch Criteria Value

Task Chapter

A task chapter groups task steps. When a task step runs, Siebel CRM displays the task step name and the chapter name in the Current Task Pane.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Chapter

Table 187 describes properties that Siebel CRM uses with a task chapter.

Table 187. Properties of the Task Chapter

Property	Description
Color **(R)**	Specifies the color that Siebel CRM uses to display the task steps for a task chapter in the Task Designer if the Show Chapter mode is enabled. You can set this color only in the Multi Value Property Window of the parent task object.
Display Name **(O)**	Specifies a label for this task chapter that Siebel CRM displays in the Current Task pane. If the Display Name property is empty, then Siebel CRM does not display this task chapter.
Name **(R)**	Specifies the name of this task chapter. It must be unique in a task.

Table 187. Properties of the Task Chapter

Property	Description
Parent Name **(S)**	Specifies the name of the task that contains this chapter.
Sequence **(R)**	Specifies the order that Siebel CRM uses to display this task chapter in the current task pane with respect to other task chapters that the parent task contains. This property can contain only an integer.

Task Chapter Locale

A task chapter locale defines language overrides that Siebel CRM uses with the task chapter.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Chapter > Task Chapter Locale

Table 188 describes properties that Siebel CRM uses with a task chapter locale.

Table 188. Properties of the Task Chapter Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task chapter for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Task Event

A task event defines the action that Siebel CRM performs if a task event occurs, such as Cancel, Delete, Pause, or Resume.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Event

Table 189 describes properties that Siebel CRM uses with a task event.

Table 189. Properties of the Task Event

Property	Description
Business Service Method	Specifies the name of the business service method that Siebel CRM calls. If the Business Service Name property contains a value, then the Business Service Method property is required. The drop-down list for this property displays the business service method that the business service contains.
Business Service Name	Specifies the name of the business service that Siebel CRM calls. If the Workflow Process property is empty, then the Business Service Name property is required. The drop-down list for this property displays the business services that include a Hidden property that is FALSE.
Name **(R)**	Specifies the name of this task event.
Parent Name **(S)**	Specifies the name of the parent task.
Workflow Process	Specifies the name of the workflow process that Siebel CRM calls. If the Business Service Name property is empty, then the Workflow Process property is required.

Task Event IO Argument

A task event IO argument defines the input arguments and output arguments for an event handler.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Event > Task Event IO Argument

Table 190 describes properties that Siebel CRM uses with a task event IO argument.

Table 190. Properties of the Task Event IO Argument

Property	Description
Argument **(O)**	Specifies the name of the output argument of the workflow process or business service that the event handler calls. If you set the Input/Output property of this task event IO argument to: ■ **Input.** You must set the Argument property to the name of an input argument of the event handler. The parent Task Event determines the values you can set. ■ **Output.** You must set the Argument property to the name of an output argument of the event handler. The parent Task Event determines the values you can set.
Business Component	Specifies the name of a business component that the business object references. The task references this business object. If the Type property is Business Component, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Type property is Business Component, then the Business Component Field property is required. The dropdown list for this property displays the fields that the business component contains.
Input/Output **(R)**	Specifies if the argument is an input argument or an output argument.
Name **(S)**	Specifies the name of this task event IO argument. The value you specify depends on one of the following types of arguments: ■ **Input argument.** You specify the input argument name of the business service method. ■ **Output argument.** You leave this Name property empty. If you choose a workflow process as the event handler, then the value of this Name property must be RowId or ProcessName.
Parent Name **(S)**	Specifies the name of the parent task event.
Preferred Sequence **(O)**	Not used. Siebel CRM ignores this property.
Property Name	Specifies the name of the task property that this task event IO argument references. If the Type property is Task Property, then the Property Name property required. The drop-down list for this property includes the task properties that the parent task contains.

Table 190. Properties of the Task Event IO Argument

Property	Description
Type **(R)**	Specifies the type of the argument. It can contain one of the following values: ■ Business Component ■ Literal ■ Expression ■ Task Property
Value **(O)**	Specifies a value for this task event IO argument. If the Type property is Literal or Expression, then the Value property contains a literal value or an expression.

Task Locale

A task locale defines language overrides that Siebel CRM uses with a task.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Task > Task Locale

Table 191 describes properties that Siebel CRM uses with a task locale.

Table 191. Properties of the Task Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU

Task Metric

A task metric defines metrics that Siebel CRM collects while a task runs.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Task > Task Metric

Table 192 describes properties that Siebel CRM uses with a task metric.

Table 192. Properties of the Task Metric

Property	Description
Metric Name **(R)**	Specifies the name of the metric. The dropdown list for this property displays a list of predefined metrics.
Name **(R)**	Specifies the name of the object. Siebel CRM automatically sets the value of the Name property to the value that the Metric Name property contains.
Parent Name	Specifies the name of the parent object. This property is read-only.
Property Name **(R)**	Specifies the name of a task property. Siebel CRM maps this task property to this task metric. The dropdown list for the Property Name property displays a list of task properties that the task contains.

Task Property

A task property defines a field that Siebel CRM uses to save a value. It can use this value in a task step, in an input or output argument, or to perform an evaluation.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Property

Table 193 describes properties that Siebel CRM uses with a task property.

Table 193. Properties of the Task Property

Property	Description
Access Mode **(R)**	You can use one of the following values: ■ **Read.** Siebel CRM can only read this task property. ■ **R/W.** Siebel CRM can read and update this task property.
Data Type **(R)**	Specifies the type of data that Siebel CRM can save. You can use one of the following values: ■ **Binary.** Save variant or binary data. If you choose Binary, then you must set the In/Out property of this task property to None. ■ **Date.** Save date data. ■ **Hierarchy.** Save data that Enterprise Application Integration (EAI) can use in a property set. ■ **Integration Object.** Save data that Enterprise Application Integration (EAI) can use in an integration object. ■ **Number.** Save numeric data. ■ **String.** Save alphanumeric data. ■ **Strongly Typed Integration Object.** Save data that Enterprise Application Integration (EAI) can use in a strongly typed integration object.
Default **(O)**	Specifies the predefault value of this task property.
In/Out **(R)**	Specifies how to send the value that this task property contains. You can use one of the following values: ■ **In.** Send this value into the task. ■ **Out.** Send this value out of the task. ■ **In/Out.** Send this value into and out of the task. ■ **None.** Use this value only in the task. If the Data Type property is Binary, then you cannot set the In/Out property to In, Out, or In/Out.
Integration Object	Specifies the name of the integration object. If the Data Type property is Integration Object or Strongly Typed Integration Object, then the Integration Object property is required. For example: `Account - Get Oracle Customer (Oracle)`
Name **(R)**	Specifies the name of this task property.
Parent Name	Specifies the name of the parent object. This property is read-only.

Task Step

A task step defines a unit of work that the task controller performs.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Step

Table 194 describes properties that Siebel CRM uses with a task step.

Table 194. Properties of the Task Step

Property	Description
Business Component	Specifies the name of a business component that the business object references. The task references this business object. If the Type property is Siebel Operation, then the Business Component is required.
Chapter **(O)**	Specifies the chapter that includes this task step. The drop-down list displays the chapters that the parent task includes.
Defer Write Record **(O)**	Specifies when to save data. You can use one of the following values: ■ **TRUE.** Do not write this data to the Siebel database until a Commit step. ■ **FALSE.** Write this data to the Siebel database immediately. Siebel CRM uses the Defer Write Record property only if the Type property is Siebel Operation.
Display Name **(O)**	Specifies the name that Siebel CRM displays in the Current Task Pane or the Context Pane.
Display Name Type **(O)**	Specifies to repeat the display name of the task views next to each other in the Current Task Pane or the Context Task pane. You can use one of the following values: ■ **Normal.** Repeat the display name. ■ **Unique.** Display the display name only one time.
Name **(S)**	Specifies the name of this task step.
Operation	Specifies the type of the Siebel Operation that this task step uses. If the Type property is Siebel Operation, then the Operation property is required.
Parent Name	Specifies the name of the parent object. This property is read-only.

Table 194. Properties of the Task Step

Property	Description
Repeatable	Specifies to run this task step more than one time while the task runs. You can use one of the following values: ■ **TRUE.** Allow Siebel CRM to run this task step more than one time. ■ **FALSE.** Allow Siebel CRM to run this task step only one time. If the Type property is Business Service or Siebel Operation, then the Repeatable property is required.
Retain Applet Search Spec	Specifies to retain the applet search specification that runs in the current step when the current step exits. You can use one of the following values: ■ **TRUE.** Retain the applet search specification. ■ **FALSE.** Delete the applet search specification. If the Type property is Task View, then the Retain Applet Search Spec property is required.
Retain Task Search Spec	Specifies to retain the task search specification that runs in the current step when the current step exits. You can use one of the following values: ■ **TRUE.** Retain the task search specification. ■ **FALSE.** Delete the task search specification. If the Type property is Siebel Operation or Task View, then the Retain Task Search Spec property is required.
Retain User Search Spec	Specifies to retain the user search specification that runs in the current step when the current step exits. You can use one of the following values: ■ **TRUE.** Retain the user search specification. ■ **FALSE.** Delete the user search specification. If the Type property is Task View, then the Retain Task Search Spec property is required.
SubTask Name	Specifies the name of the subtask. If the Type property is Subtask, then the SubTask Name property is required.

Table 194. Properties of the Task Step

Property	Description
Task View	Specifies the name of the task view. If the Type property is Task View, then the Task View property is required.
Type **(S)**	Specifies the type of this task step. You can use one of the following values: ■ **Business Service.** Call a business service. ■ **Commit.** Commit data to the Siebel database. ■ **Decision Point.** Do decision branching. ■ **End.** End the task. ■ **Error.** Cancel the task with error. ■ **Siebel Operation.** Do a Siebel operation. ■ **Start.** Start the task. ■ **Subtask.** Call a subtask. ■ **Task View.** Display a task view.

Task Step Context

A task step context defines the context for a task step. To do this, it sets up a search specification for a business component that the business object references. You can use a task step context only if the Type property of the task step is Siebel Operation or Task View.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Step > Task Step Context

Table 195 describes properties that Siebel CRM uses with a task step context.

Table 195. Properties of the Task Step Context

Property	Description

Expression Business Component **(O)**	Specifies the name of the business component that the right operand of the expression references. For example, consider the following expression:
	`[Account Id] = [Id]`
	where:
	■ = is the operator
	■ [Account Id] is the left operand
	■ [Id] is the right operand
	If the Expression Business Component is Account, then Siebel CRM treats the right operand as [Account.Id]. In this example, Siebel CRM uses the following expression:
	`[Account.Account Id] = [Account.Id]`

Filter Business Component **(O)**	Specifies the name of the business component that the left operand of the expression references. For example, consider the following expression:
	`[Account Id] = [Id]`
	If the Filter Business Component is Contact, then Siebel CRM treats the left operand as [Contact.Account Id]. In this example, Siebel CRM uses the following expression:
	`[Contact.Account Id] = [Account.Id]`

Is User Search Spec **(R)**	You can use one of the following values: ■ **TRUE.** The search specification is a user search specification. ■ **FALSE.** The search specification is a task search specification.
Name	Specifies the name of this task step context.
Search Specification **(O)**	Specifies the value of the search specification.
Type **(R)**	Specifies the type of this task step context. You can use one of the following values: ■ **Literal.** This task step context uses a literal value. ■ **Expression.** This task step context uses an expression.

Task Step IO Argument

A task step IO argument identifies the input and output arguments for a task step. Each task step accepts input from the task and sends output back to the task.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Step > Task Step IO Argument

Table 196 describes properties that Siebel CRM uses with a task step IO argument.

Table 196. Properties of the Task Step IO Argument

Property	Description
Argument **(R)**	Specifies the name of this task step IO argument.
Business Component	Specifies the name of the business component in the business object of the task. If the Type property is Business Component, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Type property is Business Component, then the Business Component Field property is required.
Input/Output **(R)**	Specifies this task step IO argument as an input argument or an output argument.
Name **(S)**	Specifies the name of this task step IO argument.
Parent Name	Specifies the name of the parent object. This property is read-only.
Preferred Sequence **(O)**	Specifies the order that Siebel CRM uses when it evaluates multiple task step IO arguments for a single task step. When the task step runs, Siebel CRM evaluates the task step IO argument that contains the lowest preferred sequence first. Siebel CRM uses this preferred sequence only for an input argument. If the Input/Output property is: ■ **Input.** Siebel CRM uses the Preferred Sequence property. ■ **Output.** Siebel CRM ignores the Preferred Sequence property.
Property Name	Specifies the name of the task property that this task step IO argument references. If the Type property is Task Property, then the Property Name property is required.

Table 196. Properties of the Task Step IO Argument

Property	Description
Type **(R)**	Specifies the type for this task step IO argument. You can use one of the following values: ■ Business Component ■ Literal ■ Expression ■ Output Argument ■ Task Property
Value **(O)**	Specifies a value. If the Type property is Literal or Expression, then Siebel CRM uses the value that the Value property contains.

Task Step Locale

A task step locale defines language overrides that Siebel CRM uses with a task step.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Task > Task Step > Task Step Locale

Table 197 describes properties that Siebel CRM uses with a task step locale.

Table 197. Properties of the Task Step Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task step for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Parent Name	Specifies the name of the parent object. This property is read-only.

Task Group Object Types

This topic describes the Task Group object type and object types that are children of this object type. It includes the following topics:

■ Task Group on page 271

■ Task Group Item on page 271

■ Task Group Locale on page 272

Task Group

A task group defines a group of tasks that Siebel CRM displays on the Task Pane. For more information about configuring task groups, see *Siebel Business Process Framework: Task UI Guide*.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Group

Table 198 describes properties that Siebel CRM uses with a task group.

Table 198. Properties of the Task Group

Property	Description
Display Name **(R)**	Specifies the label that Siebel CRM displays in the Task Pane for this task group.
Required Context BC **(R)**	Specifies the business component that the tasks in this task group reference.

Task Group Item

A task group item specifies a task and the sequence that Siebel CRM uses to display it in a task group.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Task > Task Group > Task Group Item

Table 199 describes properties that Siebel CRM uses with a task group item.

Table 199. Properties of the Task Group Item

Property	Description
Context Business Component	Specifies the business component that Siebel CRM uses to set the task context. For more information, see *Siebel Business Process Framework: Task UI Guide*.
Name	Specifies the name for this task group item. Siebel CRM sets the value for this property to the name of the Task, by default.
Sequence	Specifies the order that Siebel CRM uses to display the task in the parent task group. The value of this property must be a number.

Table 199. Properties of the Task Group Item

Property	Description
Task **(R)**	Specifies the task that Siebel CRM displays in the Task Pane. Adding a task to a task group item does not automatically configure Siebel CRM to display it in the Task Pane. The following items must also be true: ■ The Siebel Business Application that uses this task group is currently running. ■ The configuration in the Task Administration screens allows the user to access this task. ■ The task is licensed for this module. If the Context Required property of the task group is TRUE, then Siebel CRM displays data from the business component that the task references. It displays this data in the current view.
Type	Specifies to call a command or a task if the user picks an item from the task list for the task group.

Task Group Locale

A task group locale defines language overrides that Siebel CRM uses with a task group.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Task > Task Group > Task Group Locale

Table 200 describes properties that Siebel CRM uses with a task group locale.

Table 200. Properties of the Task Group Locale

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task group for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Parent Name	Specifies the name of the parent object. This property is read-only.

Text Style Object Types

This topic describes the Text Style object type.

Text Style (H)

A text style specifies font information for controls, applets, views, or applications.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Text Style

Table 201 describes properties that Siebel CRM uses with a text style.

Table 201. Properties of the Text Style

Property	Description
Bold **(O)**	If TRUE, then this text style uses bold text.
Font Face **(O)**	Specifies the font face name for this text style. For example, Arial, Courier, and so forth. If you do not specify this property, then Siebel CRM uses the default font that the object uses. For example, if a control uses a text style that does not specify a font face, then Siebel CRM uses the font that all controls in the parent applet use.
Font Size **(O)**	Specifies the point size of the font that Siebel CRM uses. If you do not specify this property, then Siebel CRM uses the default font size that the object uses. For example, if a control uses a text style that does not specify font size, then Siebel CRM uses the font size that all controls in the parent applet use. This value must use an integer.
Italic **(O)**	If TRUE, then this text style uses Italic text.
Name **(R)**	Specifies the name of this text style.
Underlined **(O)**	If TRUE, then this text style uses underlined text.

Toolbar Object Types

This topic describes the Toolbar object type and object types that are children of this object type. It includes the following topics:

- Toolbar on page 274
- Toolbar Item on page 274
- Toolbar Item Locale on page 275
- Toolbar Locale on page 276

Toolbar

A toolbar defines a toolbar that the user can use in the client. Siebel CRM typically uses HTML toolbars where the buttons are static images and can be dimmed to indicate availability. Some applications, such as Siebel Call Center, use toolbar icons that Siebel CRM modifies in reply to an event, such as a blinking icon that indicates an incoming call. In this situation, Siebel CRM uses a Java toolbar.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Toolbar

Table 202 describes properties that Siebel CRM uses with a toolbar.

Table 202. Properties of the Toolbar

Property	Description
Class **(O)**	Specifies the name of the Java class that implements this toolbar. The value for this property is empty for an HTML toolbar.
Client Restriction **(O)(H)**	Specifies to display this toolbar only in the handheld client.
Display Name **(O)**	Specifies the display name that Siebel CRM uses for this toolbar.
Name **(R)**	Specifies the name of this toolbar that Siebel CRM displays in the list in the Toolbars tab of the Customize dialog box in the client.
Popup Indicator Bitmap **(O)**	Specifies the name of the bitmap icon that Siebel CRM displays in this toolbar.

Toolbar Item

A toolbar item associates a command with a toolbar. This association places a toolbar icon on the toolbar. The toolbar item properties determine how Siebel CRM places icons on a toolbar and the order that it uses to place these icons. To override this configuration, the user can use the Customize dialog box in the client. Siebel CRM saves these modifications to a local preferences file.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Toolbar > Toolbar Item

Table 203 describes properties that Siebel CRM uses with a toolbar item.

Table 203. Properties of the Toolbar Item

Property	Description
Command **(R)**	Specifies the name of the command that specifies the bitmap, method, and target for this toolbar item. To insert a separator between icons, you can include one or more dashes (-) instead of the name of a command.
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar item. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: Advanced Search
Group **(O)**	Specifies the group name. If you specify the Group property, then Siebel CRM uses a radio button for each toolbar item that this group contains. The user can choose only one radio button at a time.
HTML Attributes **(O)**	Reserved for future use.
HTML Type **(O)**	Specifies the type of control that Siebel CRM displays in the toolbar for this toolbar item.
HTML Width **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client.
HTML Width - Language Override **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client if a language or locale is active.
Name **(R)**	Specifies the name of this toolbar item.
Position **(O)**	Specifies the position of this toolbar item.
Position - Language Override **(O)**	Specifies the position of this toolbar item if a language or locale is active.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame that this property specifies.
Type **(R)**	Specifies the toolbar item type.
Width **(R)**	Specifies the width of this toolbar item.
Width - Language Override **(O)**	Specifies the width of this toolbar item if a language or locale is active.

Toolbar Item Locale

A toolbar item locale defines language overrides that Siebel CRM uses with a toolbar item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Toolbar > Toolbar Item > Toolbar Item Locale

Table 204 describes properties that Siebel CRM uses with a toolbar item locale.

Table 204. Properties of the Toolbar Item Locale

Property	Description
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar item. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: `Advanced Search`
HTML Width **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client.
Name **(O)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`
Position **(O)**	Specifies the position of this toolbar item.
Width **(O)**	Specifies the width of this toolbar item.

Toolbar Locale

A toolbar locale defines language overrides that Siebel CRM uses with a toolbar.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Toolbar > Toolbar Locale

Table 205 describes properties that Siebel CRM uses with a toolbar locale.

Table 205. Properties of the Toolbar Locale

Property	Description
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: `Advanced Search`
Name **(O)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: `ENU`

Type Object Types

This topic describes the Type object type and object types that are children of this object type. It includes the following topics:

- Attribute on page 277
- Type on page 278

Attribute

An attribute specifies a column that contains data. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Developer's Reference*.

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Attribute > Attribute

Table 206 describes properties that Siebel CRM uses with an attribute.

Table 206. Properties of the Attribute

Property	Description
Category **(S)**	Specifies the group for the object properties that Siebel CRM displays on a property sheet. This grouping helps the user to use a property sheet.
Column Name **(S)**	Specifies the name of the attribute column.
Language Override Attribute **(S)**	Specifies the order of attribute columns for a language or locale.
Name **(S)**	Specifies the name of an attribute column in the client.
No Compile **(S)**	You can use one of the following values: ■ **TRUE.** Siebel CRM does not compile the object definition if you use the Tools menu in Siebel Tools. ■ **FALSE.** Siebel CRM compiles the object definition if you use the Tools menu in Siebel Tools.

Table 206. Properties of the Attribute

Property	Description

Siebel Wins **(S)**	Specifies the attribute value to use if a conflict occurs during an upgrade. You can use one of the following values:
	■ **TRUE.** Siebel CRM maintains the value that Oracle provides.
	■ **FALSE.** Siebel CRM uses the existing property value.
	For example, assume the value for the Search Specification property of the Action business component in an existing release is:
	`[Type] <> 'Template'`
	Assume you modify this value to the following:
	`[Type] <> 'Template' AND [Type] <> 'ABC'`
	In a new release, assume Oracle modifies this value to the following:
	`[Type] <> 'Template' AND [Type] <> 'XYZ'`
	If you upgrade Siebel CRM, then a conflict occurs and Siebel CRM uses a value according to the following value that the Siebel Wins property contains:
	■ **TRUE.** Siebel CRM uses the value that Oracle provides in the new release.
	■ **FALSE.** Siebel CRM uses the existing value.

Translatable **(S)**	Specifies one of the following values: ■ **TRUE.** Siebel CRM can translate the attribute. ■ **FALSE.** Siebel CRM cannot translate the attribute.

Type

A type sets the type for object types in a repository.

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Type

Table 207 describes properties that Siebel CRM uses with a type.

Table 207. Properties of the Type

Property	Description
Bitmap Category **(S)**	Not used.
Business Component **(S)**	Specifies the name of a business component.
Language Sub Type **(S)**	Specifies the name of an object type for a locale. For example, an applet locale is associated with the Applet object property.
Name **(S)**	Specifies the name of this type.
No Compile **(S)**	If TRUE, and if you click Compile from the Tools menu in Siebel Tools, then Siebel Tools does not compile this type.
Table Name **(S)**	Specifies the name of a table.

View Object Types

This topic describes the View object type and object types that are children of this object type. It includes the following topics:

- View on page 279
- View Locale on page 284
- View Task Group on page 285
- View Task Group Locale on page 286
- View User Prop (H) on page 286
- View Web Template on page 286
- View Web Template Item on page 287
- View Web Template Item Locale on page 288

View

A view defines a visual representation of business object data.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View

Table 208 describes properties that Siebel CRM uses with a view.

Table 208. Properties of the View

Property	Description
Add To History **(O)**	If TRUE, then specifies to include this view in the historical list of views that the user navigates during a session. To access this history, the user clicks the browser Back button. This property applies only to a high interactivity application. For more information, see *Configuring Siebel Business Applications*.
Admin Mode Flag **(O)**	For more information, see "Setting the Admin Mode Flag Property of a View" on page 283
Background Bitmap **(O)(H)**	Specifies the bitmap that Siebel CRM uses as the background for this view.
Bitmap Category **(O)(H)**	Not used.
Business Object **(R)**	Specifies the name of the business object that this view references.
Container Web Page **(O)(H)**	Specifies the container page to that contains this view. If this property includes a value, then it overrides the value in the Container Web Page property of an application.
Default Applet Focus	Specifies the applet that Siebel CRM highlights the first time it displays this view. If this property is empty, then it highlights the first applet that it displays in this view, starting at the upper left corner of this view.
Disable PDQ	If TRUE, then Siebel CRM does not allow the user to create a default predefined query (PDQ).
Drop Sectors **(R)(H)**	Specifies the pair of sectors that Siebel CRM drops in six sector mode for any resolution that is less than 1024 by 768. You can use one of the following values: ■ 0and4 ■ 1and5 ■ 2and6 ■ 3and7
Explicit Logon **(O)**	If TRUE, then the user must explicitly log in through the logon Web page to view this view.
Help Identifier **(O)**	Specifies a topic name for context-sensitive help. This name is a string that includes all uppercase characters and no empty space. For example: `ID_VIEW_OPPORTUNITY_LIST`
HTML Bitmap **(O)**	Specifies the icon that Siebel CRM displays as a link to this view.

Table 208. Properties of the View

Property	Description
HTML Popup Dimension **(O)**	Specifies the dimensions of the pop-up window, in pixels. The value for this property must include a lowercase x and no spaces. For example: `640x480`
Name **(R)**	Specifies the name of this view. Objects use this name to reference this view.
No Borders **(O)(H)**	If TRUE, then Siebel CRM does not display borders around the applets that this view displays.
Sector0 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 0 of this view.
Sector1 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 1 of this view.
Sector2 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 2 of this view.
Sector3 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 3 of this view.
Sector4 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 4 of this view.
Sector5 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 5 of this view.
Sector6 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 6 of this view.
Sector7 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 7 of this view.
Secure **(O)**	If TRUE, then the Siebel Web Engine does the following: ■ Specifies the HTTPS protocol for all URLs that it creates to this view. ■ Verifies that the current request uses the HTTPS protocol. This configuration prevents a user from typing HTTP instead of HTTPS in the URL window of the browser to access a secure view. The browser and the Web server handle HTTPS. The Siebel Web Engine only specifies to use HTTPS for a view. You must make sure HTTPS is enabled on any server that Siebel CRM expects to provide a secure view.
Status Text **(O)(H)**	Not used.
Task	Specifies the default task that this view uses.

Table 208. Properties of the View

Property	Description
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses by default for all controls in the applets that this view uses. Siebel CRM uses this text style only if the control or applet does not explicitly specify a text style.
Thread Applet **(O)**	Specifies the name of an applet. A field in this applet provides the data that Siebel CRM uses as part of the thread title. The Thread Field property identifies this field.
Thread Field **(O)**	Specifies the name of the field of the thread applet. This field provides the data that Siebel CRM uses as part of the thread title.
Thread Title **(O)**	Specifies the text that Siebel CRM uses for the thread title label.
Title **(O)**	Specifies the browser history that Siebel CRM uses to display the names of views that the user has accessed. Siebel CRM uses this history if the user clicks the browser Back or Forward button.
Vertical Line Position **(O)(H)**	Specifies the position that Siebel CRM uses when it displays a dividing line between applets in sectors 0 to 3 and applets in sectors 4 to 7. The Vertical Line Position property can include a value between 0 and 12, where: ■ **0.** Positions the vertical line to the extreme left. ■ **12.** Positions the vertical line to the extreme right. ■ **6.** Positions the vertical line in the middle. The default value is 6. This property is useful for a view that contains a tree applet that must occupy only about one-third of the width of the area that the user can view. In this situation, it is recommended that you set the Vertical Line Position property to a value of 4 through 8. If you do not, then Siebel CRM might stretch or compress an applet to such an extent that it is difficult to view.

Table 208. Properties of the View

Property	Description
Visibility Applet **(O)**	Specifies the applet in this view that controls visibility. Typically this applet is one of the following: ■ The list applet in a list-form view. ■ The master applet in a master-detail view. You must set the Visibility Applet property to the master applet of this view. For more information, see "Setting the Visibility Applet Properties of a View" on page 284.
Visibility Applet Type **(O)**	Specifies the visibility mode that Siebel CRM applies to the applet that the Visibility Applet property specifies. The Applet Visibility Type property of the view Web template overrides the Visibility Applet Type property. For more information, see "Setting the Visibility Applet Properties of a View" on page 284.

Setting the Admin Mode Flag Property of a View

The Account Administration view, Opportunity Administration view, and Product Administration view are examples of Admin mode views. If the Admin Mode Flag Property is TRUE, then Siebel CRM uses this view in Admin mode. It does the following:

- Ignores any insert or update visibility rules that exist for this view. You set the Admin Mode Flag to TRUE only for an administrative view.
- If pop-up visibility is set for the business component that provides data to this view, then Siebel CRM uses this pop-up visibility.
- Ignores the visibility type for the business component unless this type is Organization.
- Ignores any no insert, no merge, and no update settings that exist on a business component that provides data to this view. Admin mode does not affect these restrictions that are set on the applet or if the Read Only property of a field is TRUE.
- Allows the user to display every record, even if no primary team member is set for a record. This visibility is different from All visibility where Siebel CRM only displays records that include a primary team member.

If the Admin Mode property is TRUE, then a conflict might occur in the following situations:

- Visibility is configured on a multivalue link or multivalue field on the business component that provides data to this view.
- The Force Active property is set on this business component or on this multivalue field.

Setting the Visibility Applet Properties of a View

If the user uses the Show drop-down list to navigate between views, and if the settings for the Visibility Applet property and the Visibility Applet Type property are different between these views, and if the configuration of the business components and the search specifications is consistent between these views, then Siebel CRM keeps the query context and record focus from the previous view.

If the user uses the Site Map or the Screen Tabs to navigate between views, and if the settings for the Visibility Applet property and the Visibility Applet Type property are different between these views, then Siebel CRM applies the most restrictive visibility configuration. In this situation, it typically uses the Personal or Sales Rep visibility, depending on the visibility settings of the business component and the Thread Applet property of the view.

View Locale

A view locale defines language overrides that Siebel CRM uses with a view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View Locale

Table 209 describes properties that Siebel CRM uses with a view locale.

Table 209. Properties of the View Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Status Text **(O) (H)**	Not used.

Table 209. Properties of the View Locale

Property	Description
Thread Title **(O)**	Specifies the text that Siebel CRM displays as the thread title label.

Title **(O)**	Specifies the text string that Siebel CRM displays in the title bar. Siebel CRM applies a prefix to this title depending on the following settings in the application configuration file:
	■ **The CaptionPrefix parameter specifies a prefix.** Siebel CRM uses this prefix.
	■ **The CaptionPrefix parameter does not specify a value.** It uses the value that the ApplicationTitle parameter specifies.
	■ **The CaptionPrefix parameter and the ApplicationTitle parameter do not specify a value.** It uses the following value as the prefix text:
	`Siebel applications`
	For example, If the value of the Title property is My Accounts, and if the prefix text is `Siebel Sales`, and if this view is active, then Siebel CRM displays the following text in the title bar:
	`Siebel Sales - My Accounts`

View Task Group

A view task group lists task groups and child tasks in the Task Pane. For more information, see *Siebel Business Process Framework: Task UI Guide*.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > View > View Task Group

Table 210 describes properties that Siebel CRM uses with a view task group.

Table 210. Properties of the View Task Group

Property	Description
Application	Specifies the Siebel Business Application where Siebel CRM displays this task group. If empty, then Siebel CRM displays this task group for any application.
Sequence	Specifies the order that Siebel CRM uses to display task groups in the Task Pane. This value is a number.

View Task Group Locale

A view task group locale defines language overrides that Siebel CRM uses with a view task group.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View Task Group > View Task Group Locale

Table 211 describes properties that Siebel CRM uses with a view task group locale.

Table 211. Properties of the View Task Group Locale

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Sequence **(O)**	Specifies the name that Siebel CRM displays for a view task group for a language.
Task Group	Specifies the task group that Siebel CRM displays in the Task Pane for this view.

View User Prop (H)

A view user prop sends a value to the C++ code that implements specialized view configuration. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File. For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View User Prop

Table 212 describes properties that Siebel CRM uses with a view user prop.

Table 212. Properties of the View User Prop

Property	Description
Name	For Oracle use only.
Value	For Oracle use only.

View Web Template

A view web template defines the layout of the applets in the view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View Web Template

Table 213 describes properties that Siebel CRM uses with a view web template.

Table 213. Properties of the View Web Template

Property	Description
Name **(R)**	Specifies the name of the view web template.
User Layout **(O)**	If TRUE, then the user can modify the layout in the view.
Web Template **(R)**	Specifies the web template that Siebel CRM uses to display the view.

View Web Template Item

A view web template item maps applet controls to placeholder IDs in the web template.

Used by the Siebel Web Engine to map `swe:applet` tag to applets.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View Web Template > View Web Template Item

Table 214 describes properties that Siebel CRM uses with a view web template item.

Table 214. Properties of the View Web Template Item

Property	Description
Applet **(R)**	Specifies the name of the applet that Siebel CRM maps to the ID.
Applet Mode **(O)**	Specifies the applet mode. You can use one of the following values: ■ Base ■ Edit ■ Edit List ■ Query
Applet Visibility Type **(O)**	Specifies the applet visibility. This property overrides the Visibility Applet Type property of the view.
Display Size **(O)**	Specifies to minimize or maximize the applet. If the Display Size property is Always Maximized, then the user cannot minimize the applet. Siebel CRM typically uses this property with an applet that it displays on a home page.
Display Visibility **(O)**	Specifies if the applet is visible or hidden. If the Display Visibility property is Always Show, then the user cannot hide the applet. Siebel CRM typically uses this property with an applet that it displays on a home page.

Table 214. Properties of the View Web Template Item

Property	Description
Expression	Specifies how to limit the way Siebel CRM displays a control in a Siebel Business Application. It is similar to a search specification or query condition. The Expression property is typically empty and Siebel CRM does limit how it displays the control. For more information, see the topic about application mappings in *Configuring Siebel Business Applications*.
Item Identifier **(R)**	Specifies the ID of the `swe:applet` tag in the Web Template.
Item Identifier - Language Override **(O)**	Specifies the ID of the `swe:applet` tag in the web template if a language or locale is active.
Move Range **(O)**	Specifies how far the user can move an applet. For example, assume the following: ■ An application home page includes two columns. ■ The first applet uses the Column1 move range. ■ The second applet uses the Column2 move range. In this situation, the user can do the following: ■ Move any applet that uses the Column1 move range only in the first column. ■ Move any applet that uses the Column2 move range only in the second column. If the Move Range property is empty, then the user cannot move the applet. For example, the Move Range property that Siebel CRM uses for the salutation applet on the home page is typically empty.
Name **(R)**	Specifies the name of this view web template item.
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the `swe:applet` tag that Siebel CRM uses for this mapping resides in a `swe:idgroup` tag, then the Namespace property specifies the ID of the idgroup tag.
Namespace - Language Override **(O)**	Specifies the qualifier for the item identifier if a language or locale is active.
Position **(O)**	Specifies the hierarchical relationship that Siebel CRM uses between the applets in the view.

View Web Template Item Locale

A view web template item locale defines the language override that Siebel CRM uses with a view web template item.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > View > View Web Template > View Web Template Item > View Web Template Item Locale

Table 215 describes properties that Siebel CRM uses with a view web template item locale.

Table 215. Properties of the View Web Template Item Locale

Property	Description
Item Identifier **(O)**	Specifies the ID of the swe:applet tag in the web template.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses.
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the swe:applet tag that Siebel CRM uses for this mapping resides in a swe:idgroup tag, then the Namespace property specifies the ID of the idgroup tag.

Web Page Object Types

This topic describes the Web Page object type and object types that are children of this object type. It includes the following topics:

- Web Page on page 289
- Web Page Item on page 290
- Web Page Item Locale on page 291
- Web Page Item Parameter on page 292
- Web Page Locale (H) on page 292

Web Page

A web page specifies the web page that Siebel CRM uses as a container for a view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Page

Table 216 describes properties that Siebel CRM uses with a web page.

Table 216. Properties of the Web Page

Property	Description
Do Not Use Container **(O)**	You can use one of the following values: ■ **TRUE.** Display the template file for this page with the applications container web page. ■ **FALSE.** Display the template file for this page without the applications container web page.
Name **(R)**	Specifies the name of the web page.
Title	Not used.
Web Template **(R)**	Specifies the name of the web template that Siebel CRM associates with this Web page.

Web Page Item

A web page item identifies the object that Siebel CRM displays on a web page. It is similar to a control in an applet but Siebel CRM uses it outside the context of an applet on a Web page. Siebel CRM maps a web page item to a `swe:pageitem` tag in the Web page.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Page > Web Page Item

Table 217 describes properties that Siebel CRM uses with a web page item.

Table 217. Properties of the Web Page Item

Property	Description
Caption **(O)**	Specifies the display name of this web page item.
HTML Attributes **(O)**	Specifies to add HTML tag attributes to the HTML tags that the Standard Interactivity client creates to display the web page item.
Item Identifier **(R)**	Specifies the ID of the `swe:pageitem` tag.
Item Identifier - Language Override **(O)**	Specifies the ID of the `swe:pageitem` tag if a language or locale is active.
Method Invoked **(O)**	Specifies the method that Siebel CRM calls.
Name **(R)**	Specifies the name of the web page item.

Table 217. Properties of the Web Page Item

Property	Description
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the swe:pageitem tag that Siebel CRM uses for this mapping resides in a swe:idgroup tag, then the Namespace property specifies the ID of the idgroup tag.
Namespace - Language Override **(O)**	Specifies the qualifier for the item identifier if a language or locale is active.
Show Popup **(O)**	You can use one of the following values: ■ **TRUE.** Open a browser window before calling the method. ■ **FALSE.** Call the method before opening a browser window.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame that the Target View Frame property specifies.
Type **(R)**	Specifies how to display this web page item on the HTML page.

Web Page Item Locale

A web page item locale defines language overrides that Siebel CRM uses with a web page item.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Web Page > Web Page Item > Web Page Item Locale

Table 218 describes properties that Siebel CRM uses with a web page item locale.

Table 218. Properties of the Web Page Item Locale

Property	Description
Caption **(O)**	Specifies the display name of this web page item.
Item Identifier **(O)**	Specifies the ID of the swe:pageitem tag.
Name **(R)**	Specifies the abbreviation for the language that the Siebel Business Application uses. For example: ENU
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the swe:pageitem tag that Siebel CRM uses for this mapping resides in a swe:idgroup tag, then the Namespace property specifies the ID of the idgroup tag.

Web Page Item Parameter

A web page item parameter varies depending on the web page item. For example, if the Method Invoked property of a web page item is GoToView, then the web page item parameter identifies a view and the value is the name of this view.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Page > Web Page Item > Web Page Item Parameter

Table 219 describes properties that Siebel CRM uses with a web page item parameter.

Table 219. Properties of the Web Page Item Parameter

Property	Description
Name **(R)**	Specifies the name of the web page item parameter.
Value **(R)**	Specifies the value of the web page item parameter.

Web Page Locale (H)

A web page locale defines language overrides that Siebel CRM uses with a web page.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Page > Web Page Locale

Table 220 describes properties that Siebel CRM uses with a web page locale.

Table 220. Properties of the Web Page Locale

Property	Description
Name **(R)**	Specifies the name of the object.
Title **(O)**	Specifies the text that Siebel CRM uses for the title of the Web page for a language.

Web Template Object Types

This topic describes the Web Template object type and object types that are children of this object type. It includes the following topics:

- Web Template on page 293
- Web Template File on page 293

Web Template

A web template defines a repository representation to a Siebel Web Template (SWT) file. Other objects that use a web template reference the web template name. Applets, views, and web pages are examples of these objects.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Template

Table 221 describes properties that Siebel CRM uses with a web template.

Table 221. Properties of the Web Template

Property	Description
Name **(R)**	Specifies the name of the web template.
Type **(R)**	Specifies the web template type.

Web Template File

A web template file specifies the file that Siebel CRM uses for the web template.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Web Template > Web Template File

Table 222 describes properties that Siebel CRM uses with a web template file.

Table 222. Properties of the Web Template File

Property	Description
Bitmap **(O)**	Specifies the name of the bitmap file.
File Name **(O)**	Specifies the name of the file.
Name **(O)**	Specifies the name of the web template file.

Workflow Policy Column Object Type

This topic describes the Workflow Policy Column object type.

Workflow Policy Column

A workflow policy column identifies a column that Siebel CRM monitors in the Siebel database or an extension column. It also specifies the picklist that Siebel CRM uses for this column. One or more workflow processes can use the same workflow policy column. It is recommended that you do not modify any property of a predefined workflow policy column. If your implementation requires customization, then you can add a new workflow policy column.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Column

Table 223 describes properties that Siebel CRM uses with a workflow policy column.

Table 223. Properties of the Workflow Policy Column

Property	Description
Applet **(O)**	Specifies the pick applet that Siebel CRM uses to display the picklist in the Workflow Policies view.
Column Name **(R)**	Specifies the name of a column from the picklist of columns that exist in the table that the Table Name property specifies.
Name **(R)**	Specifies the name of this workflow policy column. Siebel CRM displays this name in the Conditions list in the Workflow Policies view.
PickList **(O)**	Specifies the picklist that Siebel CRM displays in the Workflow Policy Detail view for this column. The user who creates the policy uses this picklist to choose the comparison value for this workflow policy column. For more information, see *Configuring Siebel Business Applications*.
Source Field **(O)**	Specifies the business component field of the picklist that provides the source for the comparison value. This is a field name that resides in the picklist that the PickList property specifies.
Table Name **(R)**	Specifies the name of the Siebel database table that contains this workflow policy column.

Workflow Policy Object Types

This topic describes the Workflow Policy object type and object types that are children of this object type. It includes the following topics:

- Assignment Object on page 295
- Assignment Object Extension on page 310
- Assignment User Prop on page 312
- Dynamic Candidate (H) on page 313

- Dynamic Candidate Attribute (H) on page 314
- Dynamic Candidate Component (H) on page 314
- Dynamic Candidate Component Col (H) on page 315
- Dynamic Candidate Locale (H) on page 316
- Dynamic Drilldown Destination on page 316
- Workflow Policy Component on page 317
- Workflow Policy Component Col on page 319
- Workflow Policy Object on page 319

Assignment Object

An assignment object does the following:

- Specifies how to assign a business entity to a candidate
- Specifies how to update Siebel CRM data to complete an assignment
- Specifies other assignment arguments

A workflow policy object includes column mappings in child workflow policy components and grandchild workflow policy component columns. An assignment attribute column can specify these mappings. It does this to determine if a match exists between a candidate and a business entity. It also monitors values that Siebel CRM modifies so that Siebel CRM can do a dynamic assignment.

You must check in modifications you make. For more information, see "Checking In Assignment Objects" on page 106.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object

Table 224 describes properties that Siebel CRM uses with an assignment object. Siebel Tools uses different labels for some assignment object properties. Table 224 includes only the label that displays in the Properties Window. For more information, see "How Siebel Tools Uses Different Labels for Assignment Object Properties" on page 309.

Table 224. Properties of the Assignment Object

Property	Description
Add Team Members **(O)**	You can use one of the following values: ■ **TRUE.** Assignment Manager deletes existing team members from the teams and existing assignment rules in the assignment rule intersection table that no longer qualify. ■ **FALSE.** Assignment Manager never deletes existing team members from the assignment object even if they no longer qualify.
Assignment Date Column **(O)**	Specifies the datetime stamp Siebel CRM uses to indicate the last time it assigned a record. This property can contain only the following value: ASGN_DT
Assignment Mode **(O)**	Determines how Assignment Manager assigns an object according to organization or person. You can use one of the following values: ■ **Independent.** Assigns any person and organization regardless of if a relationship exists between this person and organization. ■ **Person-Oriented.** Assigns a person and then assigns only organizations to which this person belongs. ■ **Organization-Oriented.** Assigns an organization and then assigns a person who belongs in this organization. ■ **Organization and Person-Oriented.** Identifies all qualified people and all qualified organizations. It then assigns a person and an organization only if a relationship exists between this person and the organization.
Assignment Scoring Mode **(R)**	Specifies the mode that Siebel CRM uses to determine an assignment. You can use one of the following values: ■ **Person-based.** Set the assignment rule score to the score of the highest-scoring candidate. This is the default value. ■ **Organization-based.** Set the assignment rule score to the score of the highest-scoring organization.

Table 224. Properties of the Assignment Object

Property	Description
Auto Reassign **(R)**	You can use one of the following values: ■ **TRUE.** Assignment Manager automatically reassigns assignment objects if assignment attribute values are modified and if policies are defined. This is the default value. ■ **FALSE.** Assignment Manager does not automatically reassign assignment objects. If the Generate Triggers server component creates triggers for the active assignment policy, and if the Auto Reassign property is FALSE, then it does not create any triggers for the update. Assignment occurs only one time when Siebel CRM inserts the record. If you modify this property after you run a Generate Triggers server component job, then you must regenerate triggers.
Calendar Activity Additional Fields **(O)**	Specifies a string that Siebel CRM uses for an activity that it assigns according to availability. This string uses the following format: *parent field, field 1, value1, field 2, value2* For example, you can specify the following fields for the Service Request object: ■ Activity SR Id ■ Type ■ ToDo If the user creates a new activity, then Siebel CRM uses these field values for this new activity. For more information about assignments that Siebel CRM makes according to availability, see *Siebel Assignment Manager Administration Guide*.

Table 224. Properties of the Assignment Object

Property	Description
Calendar Create Activity **(O)**	If Siebel CRM assigns an object according to availability, then you can use one of the following values: ■ **TRUE.** Assignment Manager can create an activity in an employee calendar. ■ **FALSE.** Assignment Manager cannot create an activity in an employee calendar. FALSE is the default value. Siebel CRM assigns an object differently depending on if the object is an activity: ■ **An Activity.** If an assignment rule qualifies an employee, and if the Check Employee Calendar property of this assignment rule includes a check mark, and if no other employee qualifies for this assignment rule, then Siebel CRM reuses the same activity. ■ **Not an activity.** Siebel CRM creates a new activity for each employee who qualifies. It sets the parent activity for all activities to the original activity Id.
Calendar Duration Column **(O)**	Specifies the column in the assignment object primary table that references the object duration. If Siebel CRM assigns an object according to availability, then you must specify this property.
Calendar Early Start Time Column **(O)**	Specifies the column in the assignment object primary table that references the early start time of the object. This column contains the earliest date and time that an activity can start. The time range from Calendar Early Start Time to Calendar Start Time defines the time range that the activity can start. If you do not specify a value, then the activity can start any time before the value that the Calendar Start Time Column property contains. If Siebel CRM assigns an object according to availability, then you must specify this property.
Calendar Start Time Column **(O)**	Specifies the column in the assignment object primary table that references the start time of the object. This column contains the latest time that an activity can start. The time range from Calendar Early Start Time to Calendar Start Time defines the time range that the activity can start. If Siebel CRM assigns an object according to availability, then you must specify this property.

Table 224. Properties of the Assignment Object

Property	Description
Default Employee **(O)**	Specifies the login ID of the default employee. Assignment Manager assigns this employee if a conflict occurs and it cannot choose the correct set of employees. A conflict occurs if no assignment rules match or if two rules qualify with the same score. If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Default Group **(O)**	Not used.
Default Org **(O)**	Specifies the name of the default organization. Assignment Manager assigns this organization if a conflict occurs and it cannot choose the correct set of organizations. A conflict occurs if no assignment rules match or if two rules qualify with the same score. If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Default Position **(O)**	Specifies the name of the default position. Assignment Manager assigns this position if a conflict occurs and it cannot choose the correct set of positions. A conflict occurs if no assignment rules match or if two rules qualify with the same score. If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Employee Column **(O)**	Specifies the name of the column in the employee intersection table that references rows in the employee table (S_EMPLOYEE). If the Employee Table property is not empty, then this property is required.
Employee Denorm Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if the Assignment Manager can assign an employee in a denormalization program.
Employee Key Column **(O)**	Specifies the name of the column that contains the key values of the employees that Siebel CRM assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Employee Key Column is required.
Employee Manual Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if a user can manually assign an employee.

Table 224. Properties of the Assignment Object

Property	Description
Employee Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary employee on a team or a single-owner employee. A *single-owner employee* is a type of assignment where Assignment Manager can assign only one candidate to an object. If you specify a value in the Employee Primary Column, and if you do not specify a value in the Employee Table, then Siebel CRM enables the assignment object for employees in the single-owner mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Column property is required.
Employee Primary Column List **(O)**	Specifies a comma-separated list of column names in the employee intersection table that Assignment Manager must copy if Siebel CRM modifies the primary employee. To copy the old primary employee to the new primary employee, Assignment Manager copies values from these columns.
Employee Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign a primary employee in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Denorm Column property is required.
Employee Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if a user can manually assign a primary employee. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Manual Column property is required.
Employee Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign a primary employee in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary System Column property is required.
Employee System Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if Assignment Manager can assign an employee in non-Denormalization mode. If the Employee Table property is not empty, then the Employee System Column property is required.

Table 224. Properties of the Assignment Object

Property	Description
Employee Table **(O)**	Specifies the name of the employee intersection table. If Assignment Manager can assign the assignment object to multiple employees, then this intersection table contains the set of employee IDs that it assigns to the assignment object IDs. If Assignment Manager assigns objects according to team, then the Employee Table property is required.
Employee Team Score Column **(O)**	Specifies the name of the column in the team table that contains scores for each member of an employee team. This property can reference any column that contains a number.
Exclude Column **(O)**	Specifies the name of the lock assignment column in the primary table, which is a column in the primary table of the assignment object that Siebel CRM can use to prevent Assignment Manager from processing some rows. Most of the assignment object tables include an ASGN_USR_EXCLD_FLG column. Siebel CRM displays this column in the client as a field named Lock Assignment for some objects. If Siebel CRM does not display this column for an assignment object, then you can query the Siebel database for the ASGN_USR_EXCLD_FLG column in the appropriate table. You typically set the value for this column through a business component, not through Assignment Manager. For example, if the user creates a new activity, then Siebel CRM automatically adds a check mark in the Lock Assignment checkbox for this activity. The user must remove this check mark before Siebel CRM can assign this activity.
Group Column **(R)**	Specifies the name of a row ID column in the rule intersection table that references rows in the assignment rule table (S_ASGN_GRP). This column provides a foreign key to the assignment rule table. This key uniquely identifies a rule for each relationship between an assignment entity and a rule. If the Rule Table property is not empty, then the Group Column property is required.
Group Denorm Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if Assignment Manager can use the assignment rule in denormalization mode.
Group Manual Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if a user can manually use the assignment rule.

Table 224. Properties of the Assignment Object

Property	Description
Group Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary or single-owner rule. If the Set Primary Rule property is TRUE, then the Group Primary Column property is required.
Group Primary Column List **(O)**	Specifies a comma-separated list of column names in the rule intersection table that Assignment Manager copies if Siebel CRM modifies the primary rule. It copies values from these columns from the old primary rule to the new primary rule.
Group Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can use the primary rule in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary Denorm Column property is required.
Group Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if a user can manually use the primary rule. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary Manual Column property is required.
Group Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign the primary rule in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary System Column property is required.
Group System Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if Assignment Manager can assign the rule in denormalization mode.
Group Table **(O)**	Specifies the name of the rule intersection table.
Ignore Assignment Attributes **(R)**	You can use one of the following values: ■ **TRUE.** Assignment Manager ignores assignment criteria that are not relevant to the assignment object. For example, if an assignment rule specifies Service Request Priority as a criterion, and if Assignment Manager assigns opportunities and accounts, then it ignores this criterion. Service Request Priority is an assignment attribute that is relevant only to a service request. ■ **FALSE.** Assignment Manager evaluates all assignment criteria.

Table 224. Properties of the Assignment Object

Property	Description
Keep Creator **(R)**	You can use one of the following values: ■ **TRUE.** Assignment Manager cannot delete the creator of the assignment object from the team. ■ **FALSE.** Assignment Manager can delete the creator.
Keep Man Asgn Primary Employee **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values: ■ **TRUE.** If the user explicitly sets the primary employee of a team, then Assignment Manager does not set this employee. Instead, it adds a check mark to the Primary Person Manual property of the primary table that the assignment object references. ■ **FALSE.** Assignment Manager sets the primary employee of a team.
Keep Man Asgn Primary Group **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values: ■ **TRUE.** If the user explicitly sets the primary assignment rule for a team, then Assignment Manager does not set this rule. Instead, it adds a check mark to the Primary Assignment Rule Manual property of the primary table that the assignment object references. ■ **FALSE.** Assignment Manager sets the primary assignment rule even if the user already manually assigned it.
Keep Man Asgn Primary Org **(O)**	You can use one of the following values: ■ **TRUE.** If you define the Org Primary Manual Column property for an assignment object, and if the value in the column that this property references contains a Y, then Assignment Manager does not reassign the primary organization. ■ **FALSE.** Assignment Manager does examine the Org Primary Manual Column property.
Keep Man Asgn Primary Position **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values: ■ **TRUE.** If the user explicitly sets the primary position for a team, then Assignment Manager does not set this position. Instead, it adds a check mark to the Primary Person Manual property of the primary table that the assignment object references. ■ **FALSE.** Assignment Manager sets the primary position.

Table 224. Properties of the Assignment Object

Property	Description
Keep User Assigned **(R)**	If Assignment Manager assigns an object according to a team, then you can use one of the following values: ■ **TRUE.** Assignment Manager keeps manually assigned employees, positions, and assignment rules. In this situation, a position that a user adds to an account sales team is an example of a person. A territory that a user adds to a territory list for an opportunity is an example of an assignment rule. ■ **FALSE.** An automatic assignment operation can replace a manually assigned employee, position, or assignment rule. To determine if a user manually assigned an object, Assignment Manager examines the value of the Team Manual Column property.
Max Number Per Role **(O)**	Not used.
Name **(R)**	Specifies the name of the assignment object. This property uniquely identifies the assignment object in the repository. It provides the name that Siebel CRM displays in the picklist and multivalue group applet for assignment rules in administration views.
Org Column **(R)**	Specifies the name of the column in the organization intersection table that references rows in the organization table. If the Org Table property is not empty, then the Org Column is required.
Org Denorm Column **(O)**	Specifies the name of a column in the organization intersection table. This column determines if Assignment Manger can assign an organization in denormalization mode.
Org Key Column	Specifies the name of a column. This column contains the key values of the organizations that Assignment Manager assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Org Key Column property is required.
Org Manual Column **(O)**	Specifies the name of a column in the organization intersection table. This column specifies if the user can manually assign an organization.

Table 224. Properties of the Assignment Object

Property	Description
Org Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary organization for a team or a single-owner organization. If you specify a value in the Org Primary Column property, and if you do not specify a value in the Org Table property, then Siebel CRM enables the assignment object for organizations that Assignment Manager assigns in single-owner mode. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Column property is required.
Org Primary Column List **(O)**	Specifies a comma-separated list of column names in the organization intersection table. If Siebel CRM modifies the primary organization, then Assignment Manager copies values from these columns from the old primary organization to the new primary organization.
Org Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manger can assign the primary organization in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Denorm Column property is required.
Org Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if the user can manually assign the primary organization. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Manual Column property is required.
Org Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign the primary organization in denormalization mode. If the assignment rule is a single-owner rule, or if the Org Primary System Column property is TRUE, then the Org Primary Manual Column property is required.
Org System Column **(O)**	Specifies the name of a column in the organization intersection table. This column determines if a user can manually assign an organization.

Table 224. Properties of the Assignment Object

Property	Description
Org Table **(O)**	Specifies the name of the organization intersection table. If Assignment Manager can assign the assignment object to multiple organizations, then this intersection table contains the set of organization IDs that it assigns to assignment object IDs. If Assignment Manager assigns objects according to team, then the Org Table property is required.
Org Team Score Column **(O)**	Specifies the name of a column in the team table. This column contains scores for each member of an organization team. This property can reference any column that can contain a number.
Position Column **(R)**	Specifies the name of a column in the position intersection table. This column references rows in the position table (S_POSTN). If the Position Table property is not empty, then the Position Column property is required.
Position Denorm Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if the denorm program can assign a position. If the Position Table property is not empty, then the Position Denorm Column property is required.
Position Key Column	Specifies the name of a column. This column contains the key values of the employees that Assignment Manager assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Position Key Column property is required.
Position Manual Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if the user can manually assign a position. If the Position Table property is not empty, then the Position Manual Column property is required.
Position Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary position for teams or it contains a single-owner position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Column property is required.
Position Primary Column List **(O)**	Specifies a comma-separated list of column names in the position intersection table. If Siebel CRM modifies the primary position, then Assignment Manager copies values from these columns from the old primary position to the new primary position.

Table 224. Properties of the Assignment Object

Property	Description
Position Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if the denorm program assigns the primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Denorm Column property is required.
Position Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if the user can manually assign a primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Manual Column property is required.
Position Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Siebel CRM assigns the primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary System Column property is required.
Position System Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if Siebel CRM assigns a position. This property is required if the Position Table property is not empty.
Position Table **(O)**	Specifies the name of the position intersection table. If Assignment Manager can assign the assignment object to multiple positions, then this intersection table column contains the set of position IDs that it assigns to the assignment object IDs. If Assignment Manager assigns objects according to a team, then the Position Table property is required.
Position Team Score Column **(O)**	Specifies the name of a column in the team table. This column contains scores for each member of a position team. This property can reference any column that can contain a number.
Primary Table **(R)**	Specifies the name of a primary table. The business component references this table. For example, S_ORG_EXT is the primary table for the Account assignment object.
Set Primary Employee **(O)**	Specifies the primary employee. This employee is typically the employee who possesses the highest score in the assignment rule that possesses the highest score. You can use one of the following values: ■ **TRUE.** Assignment Manager chooses and sets the primary employee. ■ **FALSE.** Assignment Manager does not choose and set the primary employee.

Table 224. Properties of the Assignment Object

Property	Description
Set Primary Group **(O)**	Specifies the primary assignment rule. This rule is typically the rule that possesses the highest score in the assignment rule. You can use one of the following values: ■ **TRUE.** Assignment Manager chooses and sets the primary position. ■ **FALSE.** Assignment Manager does not choose or set the primary position.
Set Primary Org **(O)**	Specifies the primary organization rule. This organization is typically the organization that possesses the highest score in the assignment rule. You can use one of the following values: ■ **TRUE.** Assignment Manager chooses and sets the primary organization. ■ **FALSE.** Assignment Manager does not choose or set the primary organization.
Set Primary Position **(O)**	Specifies the primary position. This position is typically the position that possesses the highest score in the assignment rule. You can use one of the following values: ■ **TRUE.** Assignment Manager chooses and sets the primary position. ■ **FALSE.** Assignment Manager does not choose or set the primary position.
Skill Item Table **(O)**	Specifies the name of the skill item table that contains skills for the assignment object. This table must be a child table of the table that the Skill Table property specifies. The Skill Id column is a foreign key column to the skill table.
Skill Table **(O)**	Specifies the name of the table that contains skills for an assignment object.
Team	You can use one of the following values: ■ **TRUE.** To determine the assignment criterion, Siebel CRM uses a column in the team table. ■ **FALSE.** To determine the assignment criterion, Siebel CRM does not use a column in the team table. Siebel CRM uses this property for dynamic candidates.

How Siebel Tools Uses Different Labels for Assignment Object Properties

Table 225 describes how the labels that Siebel Tools displays in the Properties Window are different from the labels that it displays for the same property in the Object List Editor.

Table 225. How Siebel Tools Uses Different Labels for Assignment Object Properties

Label in the Properties Window	Label in the Object List Editor
Add Team Members	Replace Team Members
Default Org	Default Organization
Employee Denorm Column	Employee Team Denorm Column
Employee Manual Column	Employee Team Manual Column
Employee Primary Column List	Employee Team Copy Columns
Employee System Column	Employee Team System Column
Exclude Column	Lock Assignment Column
Group Column	Rule Column
Group Denorm Column	Rule Team Denorm Column
Group Manual Column	Rule Team Manual Column
Group Primary Column	Rule Primary Column
Group Primary Column List	Rule Team Copy Columns
Group Primary Denorm Column	Rule Primary Denorm Column
Group Primary Manual Column	Rule Primary Manual Column
Group Primary System Column	Rule Primary System Column
Group System Column	Rule Team System Column
Group Table	Rule Table
Ignore Assignment Attributes	Ignore Extra Attributes
Keep Man Asgn Primary Employee	Keep Manual Primary Employee
Keep Man Asgn Primary Group	Keep Manual Primary Rule
Keep Man Asgn Primary Position	Keep Manual Primary Position

Table 225. How Siebel Tools Uses Different Labels for Assignment Object Properties

Label in the Properties Window	Label in the Object List Editor
Keep User Assigned	Keep Manual Assigned
Org Column	Organization Column
Org Table	Organization Table
Position Denorm Column	Position Team Denorm Column
Position Manual Column	Position Team Manual Column
Position Primary Column List	Position Team Copy Columns
Position System Column	Position Team System Column
Set Primary Group	Set Primary Rule

Assignment Object Extension

An assignment object extension identifies the columns that Siebel CRM uses to determine the following items:

- Candidates it adds or drops
- Tables it uses for reporting
- Column it uses as the key column
- Columns it use for the position, employee, or organization

An assignment object extension contains the results tables. It does this only if Siebel CRM runs in reporting mode.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object Extension

Table 226 describes properties that Siebel CRM uses with an assignment object extension.

Table 226. Properties of the Assignment Object Extension

Property	Description
Employee Reporting Column **(O)**	Specifies the name of the column in the employee reporting intersection table that references rows in the employee table. If the Employee Table property is not empty then the Employee Reporting Column property is required.
Employee Reporting Deletion Column	Specifies the column that contains data about the employees that Siebel CRM removes from a team. This property applies only in snapshot mode or delta reporting mode.

Table 226. Properties of the Assignment Object Extension

Property	Description
Employee Reporting Insertion Column	Specifies the column that contains data about the employees that Siebel CRM adds to a team. This property applies only in snapshot mode or delta reporting mode.
Employee Reporting Key Column **(O)**	Specifies the column that contains the key values of the employees that Siebel CRM assigns to a team at runtime. If the UseKeyValue server component parameter is TRUE, then the Employee Reporting Key Column property is required.
Employee Reporting Table **(O)**	Specifies the name of the employee reporting intersection table. If Siebel CRM can assign the assignment object to multiple employees, then this intersection table contains the set of employee IDs that it assigns to the assignment object IDs.
Name **(R)**	Specifies the name of the assignment object extension. This name must match the name of the assignment object.
Org Reporting Column **(O)**	Specifies the column in the organization reporting intersection table that references rows in the organization table. If the Organization Table property is not empty, then the Org Reporting Column property is required.
Org Reporting Deletion Column	Specifies the column that Siebel CRM uses to save data about the organizations that it removes from a team. This property applies only in snapshot mode or delta reporting mode.
Org Reporting Insertion Column	Specifies the column that contains data about organizations that Siebel CRM adds to a team. This property applies only in snapshot mode or delta reporting mode.
Org Reporting Key Column **(O)**	Specifies the column that contains the key values of the organizations that Siebel CRM assigns to a team at runtime. If you specify this property, then you must set the UseKeyValue server component parameter to True.
Org Reporting Table **(O)**	Specifies the name of the organization reporting intersection table. If Siebel CRM can assign the assignment object to multiple organizations, then this intersection table contains the set of organization IDs that it assigns to the assignment object IDs.
Position Reporting Column **(O)**	Specifies the column in the position reporting intersection table that references rows in the position table. If the Position Table property is not empty, then the Position Reporting Column property is required.
Position Reporting Deletion Column	Specifies the column that identifies the positions that Siebel CRM removes from a team. This property applies only in snapshot mode or delta reporting mode.

Table 226. Properties of the Assignment Object Extension

Property	Description
Position Reporting Insertion Column	Specifies the column that Marks the positions that are added to the team. This property applies only in snapshot mode or delta reporting mode.
Position Reporting Key Column **(O)**	Specifies the column that contains the key values of the positions that Siebel CRM assigns to a team at runtime. If you specify this property, then you must set the UseKeyValue server component parameter to True.
Position Reporting Table **(O)**	Specifies the name of the position reporting intersection table. If Siebel CRM can assign the assignment object to multiple positions, then this intersection table contains the set of position IDs that it assigns to the assignment object IDs.

Assignment User Prop

An assignment user prop sends a property value to the C++ code that implements specialized configuration. Siebel CRM persists the value that you configure for a user property in the Siebel Repository File.

You can use the following types of assignment user properties:

- **PositionTeamDenormN, where N is any number.** If Siebel CRM replaces one position with another position from the same rule, then you can use a PositionTeamDenormN property to copy additional columns. For example, you must replace an existing sales representative on an account team with another representative. For more information, see the topic about configuring an assignment object to copy additional columns to the team table in *Siebel Assignment Manager Administration Guide*.
- **User properties for assignment according to availability.** For more information, see *Siebel Assignment Manager Administration Guide*.

A Column user property takes precedence over a corresponding Value user property. For example, if you define a Breakable Flag Column user property and a Breakable Flag Value user property, then the Breakable Flag Column user property takes precedence. Assignment Manager uses the following order of precedence:

1. Column user property
2. Value user property
3. Calendar Activity Additional Fields property

For more information, see "Object Types That You Must Not Modify" on page 19.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object > Assignment User Prop

Table 227 describes properties that Siebel CRM uses with an assignment user prop.

Table 227. Properties of the Assignment User Prop

Property	Description
Name	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Dynamic Candidate (H)

A dynamic candidate defines employee, position, and organization candidates for an assignment rule that Siebel CRM dynamically specifies from an attribute on the object.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object > Dynamic Candidate

Table 228 describes properties that Siebel CRM uses with a dynamic candidate.

Table 228. Properties of the Dynamic Candidate

Property	Description
Attribute Id Column	Not used.
Attribute Table	Not used.
Display Name **(O)**	Specifies the display name for the dynamic candidate. The symbolic string must be created before setting the display name.
Name	Specifies the name for this object.
Object Id Column	Not used.
Score Column	Not used.
Team Table	Not used.
Team Table Attribute Id Column	Not used.
Team Table Candidate Id Column	Not used.
Team Type	Specifies the candidate team to use employee, organization, or position.

Dynamic Candidate Attribute (H)

A dynamic candidate attribute applies to Siebel CRM versions earlier than version 7.8. For version 7.8 and later, see "Dynamic Candidate Component (H)" on page 314 and "Dynamic Candidate Component Col (H)" on page 315.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Assignment Object > Dynamic Candidate (H) > Dynamic Candidate Attribute

Table 229 describes properties that Siebel CRM uses with a dynamic candidate attribute.

Table 229. Properties of the Dynamic Candidate Attribute

Property	Description
Assignment Criterion	Not used.
Team Attribute Column	Not used.

Dynamic Candidate Component (H)

A dynamic candidate component defines a list of joins from the assignment object to the candidate table.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object > Dynamic Candidate (H) > Dynamic Candidate Component

Table 230 describes properties that Siebel CRM uses with a dynamic candidate component.

Table 230. Properties of the Dynamic Candidate Component

Property	Description
Additional Join Spec	Specifies an additional join.
Candidate Id Column	Specifies the column in the Team table that contains the Id of the candidate employee, position, or organization.
Candidate Table	Specifies to use the name of the source table that occurs at the last level of a join. If Candidate Table is TRUE, then the Candidate Id Column property is required. This property was named Team Table in Siebel CRM versions prior to version 7.8.

Table 230. Properties of the Dynamic Candidate Component

Property	Description
Primary	This property can include one of the following values: ■ **TRUE.** Siebel CRM uses the primary table for the join. The *primary table* is the table that contains the assignment object. For example, assume a record in the S_ORG_EXT table is marked as the primary for an account, contact, and position dynamic candidate. In this situation, Assignment Manager determines that Siebel CRM must use the S_ORG_EXT table as the first table in the join. ■ **FALSE.** The Target Column Name property and the Target Component Name property are required.
Score Column	Specifies the column in the Team table that contains the scores of the candidates.
Source Column Name **(R)**	Specifies the column in the source table that relates to another dynamic candidate component.
Source Table Name **(R)**	Specifies the table that the dynamic candidate component references.
Target Column Name	Specifies the column in the target component that maintains a relationship with the column in the source column of the source table for this record. When Siebel CRM creates the SQL code, the inner join source table that the source column references on the source table equals the target column of the source table from the target component.
Target Component Name	Specifies the target dynamic candidate component that joins to the source table in this dynamic candidate component.

Dynamic Candidate Component Col (H)

A dynamic candidate component col maps columns in a source table at a level in a join to an assignment according to team criterion.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Workflow Policy Object > Assignment Object > Dynamic Candidate (H) > Dynamic Candidate Component (H) > Dynamic Candidate Component Col

Table 231 describes properties that Siebel CRM uses with a dynamic candidate component col.

Table 231. Properties of the Dynamic Candidate Component Col

Property	Description
Assignment Criteria Attribute Name	Specifies the name of the assignment criteria attribute that Siebel CRM compares to the value in the Attribute Column Name property.
Assignment Criteria Name	Specifies the name of the assignment criteria. If you set the Assignment Criteria Attribute Name property, then Siebel CRM automatically populates the Assignment Criteria Name property.
Attribute Column Name **(R)**	Specifies the name of the column in the source table.
Copy Column Name	Specifies the name of the column stamped on the team table if working in operational mode.
Reporting Copy Column Name	Specifies the name of the column stamped on the name reporting table if working in reporting mode.

Dynamic Candidate Locale (H)

A dynamic candidate locale defines language overrides that Siebel CRM uses with a dynamic candidate.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Assignment Object > Dynamic Candidate (H) > Dynamic Candidate Locale

Table 232 describes properties that Siebel CRM uses with a dynamic candidate locale.

Table 232. Properties of the Dynamic Candidate Locale

Property	Description
Display Name **(O)**	Specifies the display name for the dynamic candidate locale object.

Dynamic Drilldown Destination

A dynamic drilldown destination configures dynamic drilldown configuration for a drilldown field and the corresponding list column or control.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Applet > Drilldown Object > Dynamic Drilldown Destination

Table 233 describes properties that Siebel CRM uses with a dynamic drilldown destination.

Table 233. Properties of the Dynamic Drilldown Destination

Property	Description
Destination Drilldown Object **(O)**	Specifies the name of the drilldown object in the same applet that the drilldown displays if the field specified in the Field property matches the value specified in the Value property.
Field **(O)**	Specifies the Type field in the business component that the applet references. Siebel CRM examines this field in the current record to determine if the value that it contains matches the setting in the Value property of the dynamic drilldown destination. If the value matches, then the drilldown displays the drilldown object that the Destination Drilldown Object property specifies.
Name **(R)**	Specifies a name that uniquely identifies each dynamic drilldown destination object definition in the parent drilldown object.
Sequence **(O)**	Specifies the order that Siebel CRM uses to search for the children of one drilldown object. It performs this search from lowest to highest according to the integer value that this property contains.
Value **(O)**	Specifies the value that Siebel CRM must match with the Type field.

Differences Between Static and Dynamic Drilldowns

The drilldown object definition in a static drilldown or a dynamic drilldown identifies a drilldown field and a view. These properties specify the list column or control that includes drilldown capabilities and the destination view if the user clicks the drilldown. In a dynamic drilldown, the drilldown object also includes dynamic drilldown destination object definitions. Each of these definitions references the Type field in the business component and specifies a value that Siebel CRM uses to examine the value in this field. If Siebel CRM finds a match in a dynamic drilldown destination, then it uses a different drilldown object that typically resides in a different destination view.

To use a dynamic drilldown, the user must be assigned a responsibility that allows this user to view the default drilldown. For example, assume Applet A on View B uses a dynamic drilldown and that View C is the default view for this drilldown. To make sure this drilldown works property, the user must be assigned a responsibility that allows the user to use View B and View C.

Workflow Policy Component

A workflow policy component identifies a database table and specifies a relationship with another table that the workflow process references. A *primary workflow policy component* is a workflow policy component that all other workflow policy components directly or indirectly reference. To define the workflow conditions that are available for monitoring in the workflow policy object, you can use these workflow policy components.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Workflow Policy Component

Table 234 describes properties that Siebel CRM uses with a workflow policy component.

Table 234. Properties of the Workflow Policy Component

Property	Description
Join Spec **(O)**	Specifies a join between this workflow policy component and the target workflow policy component. If the existing join references an intersection table that would result in Siebel CRM returning multiple rows, then you specify the Join Spec property. The join that the Join Spec property references restricts the join so that Siebel CRM returns only one row at a time. The expression that the Join Spec property contains is equivalent to an additional WHERE clause in SQL. It uses the following format: *workflow_component.foreign_key = business_component.primary_key* For example, the following join specification occurs in the Primary Opportunity/Position workflow policy component in the Opportunity workflow process: `[Primary Opportunity/Position].OPTY_ID = [Opportunity].ROW_ID` You must enclose the component name with square brackets.
Name **(R)**	Specifies the name of this workflow policy component.
Primary **(O)**	If TRUE, then this workflow policy component is the primary workflow policy component for the parent workflow policy object. Each workflow policy object must include one and only one primary workflow policy component. For example, the Primary property of the Account workflow policy component of the predefined Account workflow policy object is TRUE. This configuration defines the Account workflow policy component as the primary. Other workflow policy components in the Account workflow policy object are not primary workflow policy components.
Source Column Name **(O)**	Specifies the column in the source table that another workflow policy component references. The drop-down list for this property displays columns from the table that the Source Table Name property specifies.
Source Table Name **(R)**	Specifies the table that this workflow policy component references.

Table 234. Properties of the Workflow Policy Component

Property	Description
Target Column Name **(O)**	Specifies the column in the target workflow policy component that Siebel CRM joins to the source column in this workflow policy component. The drop-down list for this property displays columns of the table that the target workflow policy component specifies.
Target Component Name **(O)**	Specifies the target workflow policy component. The drop-down list for this property displays a list of workflow policy components for the current workflow policy object.

Workflow Policy Component Col

A workflow policy component col identifies a column that Siebel CRM can monitor from the parent workflow policy component.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object > Workflow Policy Component > Workflow Policy Component Col

Table 235 describes properties that Siebel CRM uses with a workflow policy component col.

Table 235. Properties of the Workflow Policy Component Col

Property	Description
Alias	Specifies the name of the column that Siebel CRM displays in the Conditions Field picklist in the Workflow Policies view.
Name **(R)**	Specifies the name of the workflow policy component col that Siebel CRM displays in the Conditions applet in the Workflow Policy Detail view. This property defaults to the same value that the Workflow Column Name property contains.
Workflow Column Name **(R)**	Specifies the name of the column that Siebel CRM monitors in the workflow policy component. This name must specify the object definition of an existing workflow policy column.
Workflow Object Name **(R)**	Specifies the name of the workflow policy object for this workflow policy component col.

Workflow Policy Object

A workflow policy object groups workflow policy component objects and workflow policy component columns that Siebel CRM can monitor in the same workflow policy object.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Object

Table 236 describes properties that Siebel CRM uses with a workflow policy object.

Table 236. Properties of the Workflow Policy Object

Property	Description
Name **(R)**	Specifies the name of this workflow policy object.

Workflow Policy Program Object Types

This topic describes the Workflow Policy Program object type and object types that are children of this object type. It includes the following topics:

- Workflow Policy Program on page 320
- Workflow Policy Program Arg on page 322

Workflow Policy Program

A workflow policy program specifies the name and type of a workflow policy program or action that Siebel CRM can use in reply to meeting a workflow policy condition. Siebel CRM displays the workflow policy programs in the drop-down list of the Actions Applet field in the Workflow Policy Detail view. You can use predefined workflow policy programs that already configure variables except for the message text, or you can create a custom workflow policy program.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Program

Table 237 describes properties that Siebel CRM uses with a workflow policy program.

Table 237. Properties of the Workflow Policy Program

Property	Description
Name **(R)**	Specifies the name of the action that Siebel CRM performs.
Type **(R)**	Specifies one of the following types of actions: ■ **DB Operation.** For more information, see "Setting the DB Operation" on page 321. ■ **External Program.** Run an external program in Windows. ■ **Send Message.** Compose and send an automatic email message. ■ **Send Page.** Send a page to a pager. ■ **Send Broadcast Message.** Send a broadcast message to a group of users. In some situations, if Siebel CRM modifies data, then it must also modify some other data. To configure this data dependency, you can do one of the following: ■ Use the Application Object Manager, business components, and run-time events. ■ Use a database operation in a workflow policy object that modifies records at the database level. It is recommended that you use this database operation only if this data dependency affects database records instead of business components. For example, if Siebel CRM must update one database record if it inserts another database record regardless of the business components that reference these database records, or if no business component references these records.
Workflow Object **(O)**	Specifies the name of the workflow policy object.

Setting the DB Operation

In some situations, if Siebel CRM modifies data, then it must also modify some other data. Siebel CRM typically implements this data dependency at the Object Manager layer through business components and run-time events. Database operations that workflow policies run provide an alternative that works at the Siebel database record level.

It is recommended that you configure Siebel CRM to use DB Operation only if the data dependency is centered around database records rather than business components. For example, if Siebel CRM must update one database record if it inserts another database record, then you can use DB Operation regardless of the business components that the two database records belong to, or whether the two database records belong to a business component at all.

Using Variables In a Message

To make content more specific, you can use variables in the messages. This configuration also allows you to use the same message for more than one workflow policy object. For example:

```
The severity level for SR from account is value and has been open for 2 hours.
```

CAUTION: You must not modify or create an SQL statement or message that uses variables that other SQL statements set. For help with this configuration, see "Object Types That You Must Not Modify" on page 19.

Workflow Policy Program Arg

A workflow policy program arg defines recipients, database actions, and substitutions. Each workflow policy program typically contains several workflow policy program arguments.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Policy Program > Workflow Policy Program Arg

Table 238 describes properties that Siebel CRM uses with a workflow policy program arg.

Table 238. Properties of the Workflow Policy Program Arg

Property	Description
Applet **(O)**	Specifies the picklist applet.
Default Value **(O)**	Specifies a text value. This text depends on the type of workflow policy program arg. For example, an SQL statement, the text of a message, or the email address of a recipient. The maximum length is 2000 characters. **CAUTION:** Siebel CRM does not allow some kinds of text in the Default Value property of a workflow policy program arg. You must not include trailing spaces, newline, or escape characters. Using these characters might cause problems, such as a Workflow Monitor Agent failure at run time. You must create or modify a workflow policy program arg only with caution. For more information, see *Siebel Business Process Framework: Workflow Guide*.
Name **(R)**	For more information, see "Setting the Name Property of a Workflow Policy Program Arg" on page 323.
Picklist **(O)**	Specifies the object definition of a picklist.
Required **(O)**	If TRUE, then data entry is required.
Source Field **(O)**	Specifies the picklist source field.
Visible **(O)**	If TRUE, then Siebel CRM displays the data that this argument provides.

Setting the Default Value Property of a Workflow Policy Program Arg

To run a workflow policy program, the Siebel Server retrieves data from the Siebel database through an ODBC connection. The ODBC driver returns a date format that might be different from the format that the Siebel database uses. If you set the Default Value property of a workflow policy program arg, and if this workflow policy program arg references a time or date field, then you must use one of the following formats. This configuration makes sure the date formats are compatible:

- Date Column: 2001-03-16
- Time Column: 19:26:26
- Date and Time Column: 2001-04-05 21:25:00

Setting the Name Property of a Workflow Policy Program Arg

To familiarize yourself with how Siebel CRM uses a workflow policy program argument, you can examine some of the predefined arguments. For example, in the Workflow Policy Programs list, you can query the Name property for Run External Program. Table 239 describes some of the workflow policy program arguments that this object references. Note the following:

- You enter the value manually in the Name property of the workflow policy program arg.
- If you run a database operation with Insert as the Operation Type, then you can choose a Default Value, New Row ID that provides the value for the ROW_Id field for the inserted row.

Table 239 describes values for workflow policy program arguments that are common to a workflow policy program.

Table 239. Arguments in the Name Property of the Workflow Policy Program Arguments List

Argument	Description	Value You Can Enter
Primary Id	Specifies the row ID of the violating row on which the workflow policy program runs.	Empty.
Primary Table	Specifies the base table where this workflow policy program arg applies an action. The base table can be unrelated to ‘the record of the primary ID. For example, the violating row resides in a child table and Siebel CRM must insert or update a record in the parent table. It can also update a table that is not related to the primary ID table. For example, to create a broadcast message when a monitored value in the opportunity becomes true.	The name of a table in the repository, as compared to the business object that a workflow process references. Siebel CRM uses the business object that a workflow process references to monitor values but not to code an action program.

Table 239. Arguments in the Name Property of the Workflow Policy Program Arguments List

Argument	Description	Value You Can Enter
Update Row ID	Specifies the row ID of a table other than the primary table of the workflow policy object. You can configure Siebel CRM to associate a workflow policy action with a workflow policy object that updates a table. Siebel CRM uses the Update Row ID property only if the Operation Type is set to Update.	The row ID that Siebel CRM must update.
Operation Type	Specifies to perform an update operation or insert operation.	You can use one of the following values: ■ Update ■ Insert
Field Name	Specifies the Name of the column in the base table that this operation updates. This value is one of two field column pairs.	You can use one of the following values: ■ Text ■ Variable ■ Function
New Row ID	Specifies the row ID of the row that Siebel CRM must insert. Siebel CRM automatically populate this property with this row ID.	Empty.
Field Name (Column)	Specifies the field name using the following format: *Field_name*Column where: ■ Field name is the field name of the first column pair This is the second of two column pairs.	Field name in the base table. This value cannot contain leading spaces.
Sql Statement	Specifies the data from the Siebel database that Siebel CRM uses to populate substitutions when it performs an action.	Valid SQL query statement for one of the following RDBMS that your implementation uses: ■ Oracle ■ MS SQL ■ Informix ■ Sybase

Table 239. Arguments in the Name Property of the Workflow Policy Program Arguments List

Argument	Description	Value You Can Enter
Sql Statement Inputs	Specifies the name of a column in the base table on which Siebel CRM performs an operation.	Not applicable.
Sql Statement Outputs	Specifies a variable for the values that the SQL Statement argument chooses.	Name of the variable.

Sending Multiple Variables to SQL Program Arguments

Multiple variables can be sent into SQL program arguments.

To send multiple variables to SQL program arguments

1. In the Workflow Policy Program Arguments list, choose Sql Statement Inputs.
2. Enter the variable names into the Default Value property.

   Use the following format:

   [*variable1*], [*variable2*], [*variable n*]

Arguments for a Workflow Policy Program that Sends a Message

Table 240 describes workflow policy program arguments that the Send Email workflow policy program references. These arguments are specific to sending a message. To view these arguments, you can query the Name property for Send Email.

Table 240. Properties of the Send Message Program Argument

Value in Name Property	Usage	Value
Email Message	Specifies the body of the email message.	Text with available substitutions.
Email Message Repeated	Specifies the text that Siebel CRM repeats when it uses the Consolidate feature.	Text with available substitutions.
Email Subject	Specifies the text in the subject line of the email message.	Text.
Send to Contact	Specifies the contacts who are available in Siebel CRM.	Not applicable.
Send to Position	Specifies the list of the positions that are available in Siebel CRM.	Not applicable.
Send to Employee	Specifies the list of employees who are available in Siebel CRM.	Not applicable.

Arguments for a Workflow Policy Program that Sends a Page

Table 241 describes workflow policy program arguments that are specific to some workflow policy programs that send a page.

Table 241. Properties of the Send Page Program Argument

Value in Name Property	Usage	Value
Send to Contact	Specifies the contacts who are available in Siebel CRM.	Picklist of contacts.
Send to Employee	Specifies the list of employees who are available in Siebel CRM.	Picklist of employees.
Send to Position	Specifies the list of the positions that are available in Siebel CRM.	Picklist of positions.
Send to Relative	Specifies to send to an individual or group of individuals who are related to the workflow process object.	Not applicable.
Alpha Numeric Page Message	Specifies the body of the text message.	Text with available substitutions.
Numeric Page Message	Specifies the body of the numeric message.	Text with available substitutions.

Arguments for a Workflow Policy Program that Runs an External Program

Table 242 describes workflow policy program arguments that are specific to some workflow policy programs that run an external program.

Table 242. Properties of the Run External Program Argument

Value in Name Property	Usage	Value
Command Line	Specifies the parameters that Siebel CRM sends to the executable.	Not applicable.
Executable Name	Specifies the full path to the executable that Siebel CRM runs.	Not applicable.
Executable Type	Specifies the mode the Workflow Action Agent uses to run the external program.	You can use one of the following values: ■ Wait ■ No wait

Workflow Process Object Types

This topic describes the Workflow Process object type and object types that are children of this object type. It includes the following topics:

- WF Branch Connector (H) on page 327
- WF Branch Criteria (H) on page 328
- WF Branch Criteria Value (H) on page 329
- WF Process Metric on page 330
- WF Process Prop on page 330
- WF Step on page 333
- WF Step Branch (H) on page 338
- WF Step I/O Argument (H) on page 340
- WF Step Recipient (H) on page 341
- Workflow Process on page 342

WF Branch Connector (H)

A WF branch connector branch is a link that connects two steps.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Step > WF Step Branch (H) > WF Branch Connector

Table 243 describes properties that Siebel CRM uses with a WF branch connector.

Table 243. Properties of the WF Branch Connector

Property	Description
From Step Name	Specifies the name of the step where this WF branch connector begins.
Layout	Specifies the coordinates of this WF branch connector on the Workflow Designer.
Name	Specifies the name of this WF branch connector. It is recommended that you use a descriptive name that is consistent with your overall naming strategy and that is meaningful to you.
To Step Name	Specifies the name of the step where this WF branch connector ends.

WF Branch Criteria (H)

A WF branch criteria specifies a list of conditions. At runtime, the workflow engine evaluates these conditions and then configures the workflow process to use the branch that meets the condition.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Step > WF Step Branch (H) > WF Branch Criteria

Table 244 describes properties that Siebel CRM uses with a WF branch criteria.

Table 244. Properties of the WF Branch Criteria

Property	Description
Applet Field Name	Specifies the name of a field that includes the data that Siebel CRM compares. If the Compare To property is Applet, then the Applet Field Name property is required.
Applet Name	Specifies the name of the applet that includes the field that Siebel CRM compares. If the Compare To property is Applet, then the Applet Name property is required.
Business Component	Specifies the name of a business component that the business object references. The Business Object property of the workflow process references this business object. If the Compare to value is Business Component or Expression, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Compare to value is Business Component, then the Business Component Field property is required.
Compare To **(R)**	Specifies the object that contains the comparison value.
Edit	If TRUE, then the user can edit this WF branch criteria.
Item Type Name	Specifies the assignment criterion record for an assignment criteria. For more information, see *Siebel Assignment Manager Administration Guide*.
Name	Specifies the name of this WF branch criteria.

Table 244. Properties of the WF Branch Criteria

Property	Description
Operation	Specifies the comparison operation. You can specify one of the following values: ■ **All Must Match.** All of the values must match exactly, including case. ■ **All Must Match (ignore case).** All of the values must match without regard to case. ■ **Between.** Value must occur between a range of values. ■ **Greater Than.** Value must be greater than the comparison value. ■ **Is Not Null.** Value cannot be empty. ■ **Is Null.** Value must be empty. ■ **Less Than.** Value must be less than the comparison value. ■ **None Can Match.** None of the values can match exactly, including case. ■ **None Can Match (ignore case).** None of the values can match without regard to case. ■ **Not Between.** Value cannot occur between a range of values. ■ **One Must Match.** One or more values must match exactly, including case. ■ **One Must Match (ignore case).** One or more values must match without regard to case. ■ **This Must Match.** The current value must match exactly, including case. ■ **This Must Match (ignore case).** The current value must match without regard to case.
Property Name **(R)**	Specifies a property of a business process. To determine the condition, Siebel CRM uses the value of the property that the Property Name specifies.
Sequence **(S)**	Specifies the order that Siebel CRM uses to evaluate the criteria. Siebel CRM uses this sequence during an upgrade.

WF Branch Criteria Value (H)

A WF branch criteria value is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Step > WF Step Branch (H) > WF Branch Criteria (H) > WF Branch Criteria Value

WF Process Metric

A WF process metric defines a metric that Siebel CRM collects while the workflow process runs.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Process Metric

Table 245 describes properties that Siebel CRM uses with a WF process metric.

Table 245. Properties of the WF Process Metric

Property	Description
Metric Name **(R)**	Specifies the name of this WF process metric. The drop-down list for this property displays a list of predefined metrics.
Name **(R)**	Specifies the name of the object. Siebel CRM sets a predefault value for this name to the Metric Name.
Property Name **(R)**	Specifies the name of a property of the workflow process. Siebel CRM maps this WF process metric to the property that the Property Name property specifies.

WF Process Prop

A WF process prop stores values that Siebel CRM uses in a workflow step, input argument, output argument, or to perform an evaluation.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Process Prop

Table 246 describes properties that Siebel CRM uses with a WF process property. Siebel Tools also displays these properties as fields in the Multi-Value Property Window. For more information, see *Siebel Business Process Framework: Workflow Guide*.

Table 246. Properties of the WF Process Prop

Property	Description
Access Mode	Reserved for future use.
Business Component **(O)**	Specifies the name of the business component that contains the virtual field that the Virtual Field property specifies. The drop-down list for this property displays the business components that the business object references. The Business Object property of the workflow process references this object.
Business Object **(O)**	Specifies the name of the business object that the parent workflow process references. This property is read-only. The drop-down list for this property displays only the business objects that include a primary business component.
Correlator Flag	If TRUE, then this WF process prop works as a *correlator*, which is business data that identifies the recipient of the incoming message. For more information, see the topic about the Workflow User Event Service business service in *Siebel Business Process Framework: Workflow Guide*.

Table 246. Properties of the WF Process Prop

Property	Description
Data Type	Specifies the type of data that Siebel CRM can save. You can use one of the following values: ■ **Alias.** Sets the size limit for a default value, not a run-time value. The default value is 250 characters. ■ **Binary.** Specifies to use variant or binary information, usually for XML data. You must assign a binary type the None value in the In/Out property. ■ **Date.** Specifies to use dates. ■ **Hierarchy.** Specifies to use a data type that Siebel Enterprise Application Integration uses to store data from a property set. For more information, see *Overview: Siebel Enterprise Application Integration*. ■ **Integration Object.** Specifies to store integration objects. Integration objects use the Hierarchy data type. ■ **Number.** Specifies to use numeric data. It sets the size limit for the default value, not the run-time value. The default value is 22 digits. ■ **String.** Specifies to use alphanumeric data, typically for UTF-16 data. It sets the size limit for the default value, not the run-time value. The default value is 250 characters. ■ **Strongly Typed Integration Obj.** Specifies to use a special data type to display a workflow process as a Siebel inbound web service. Siebel business services use this property when creating WSDLs. Siebel CRM treats values in the Strongly Typed Integration Obj property and the Integration Object property as the same data type for a workflow process or for a business service.
Default Date	Specifies the starting value if this WF process prop is a date type.
Default Number	Specifies the starting value if this WF process prop is a numeric type.
Default String	Specifies the starting value if this WF process prop is a string type. You can enter text in this property. If you enter the following value, then Siebel CRM initializes the value of this WF process prop with the value in the Value field of the workflow input property set: `<Value>`
Display Name	Specifies the name that Siebel CRM displays in a view.

Table 246. Properties of the WF Process Prop

Property	Description
In/Out	Specifies how to send the value that this WF process prop contains. You can use one of the following values: ■ **In.** Send this value into the workflow process. ■ **Out.** Send this value out of the workflow process. ■ **In/Out.** Send this value into and out of the workflow process. ■ **None.** Use this value only in the workflow process. If the Data Type property is Binary, then you cannot set the In/Out property to In, Out, or In/Out.
Integration Object	Specifies the data type that Enterprise Application Integration (EAI) uses to save data from an integration object. For example: `Account - Get Oracle Customer (Oracle)`
Name	Specifies the name of the process property.
Virtual Field **(O)**	Specifies the name of the business component field that Siebel CRM maps to the workflow process property. The drop-down list for the Virtual Field property displays business component fields. It displays only calculated fields that do not contain a calculated value. The workflow process does not specify this calculation. A workflow process does not require you to specify a business component field as a virtual field. An applet can reference a virtual field in the same way that it references a nonvirtual field.

WF Step

A WF step defines a step in a workflow process.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Workflow Process > WF Step

Table 247 describes properties that Siebel CRM uses with a WF step.

Table 247. Properties of the WF Step

Property	Description
Allow Retry Flag	Not used.
Business Component **(O)(R)**	Specifies the business component field that Siebel CRM uses to determine the condition. If the Compare to value is Business Component, then the Business Component property is required.

Table 247. Properties of the WF Step

Property	Description
Business Service Method	Specifies the name of the business service method that Siebel CRM calls.
Business Service Name	Specifies the name of the business service that Siebel CRM calls. The drop-down list for this property displays business services that include a Hidden property is FALSE.
Error Code	Specifies a number that identifies a string in the Siebel database that contains the error message.
Error Message	Specifies the text of the error message. If you choose a value in the Error Code property, then Siebel Tools automatically enters a value in the Error Message property.
Maximum Iterations	Specifies the maximum number of times Siebel CRM can run this step in a workflow process instance. If it reaches the maximum number of iterations, then it creates an Object Manager error and the workflow process returns an In Error status. If you require the process to run to completion, then you must configure an object to catch and handle the error, such as an error workflow process or exception branch.
Name	Specifies a descriptive name that includes the following characteristics: ■ Consistent with your overall naming strategy ■ Meaningful to the designer of the process ■ Unique If you create a new WF step, then Siebel Tools automatically assigns a name depending on the type of step and a sequence number. You can modify this name or leave it as is.
Operation	Specifies the comparison operation. You can use one of the following values: ■ Delete ■ Insert ■ NextRecord ■ PrevRecord ■ Query ■ QueryBiDirectional ■ Update ■ Upsert

Table 247. Properties of the WF Step

Property	Description
Processing Mode **(O)**	Specifies the mode that Siebel CRM uses to run the workflow process if a runtime event triggers this workflow process, You can use one of the following values: ■ **Local Synchronous.** Runs the workflow process in the Application Object Manager. This value is the default value. ■ **Remote Synchronous.** Sends a synchronous request to the Workflow Process Manager server component to run the workflow process. ■ **Remote Asynchronous.** Sends an asynchronous request to the Workflow Process Manager server component to run the workflow process.
Subprocess Name	Specifies the name of the subprocess step.
Type	Specifies the type of WF step. Siebel Tools automatically enters this value when you create a new step in the Process Designer. This value is a read only property.
Update Snapshot	If this property contains a check mark, and if Siebel CRM reaches this step in the workflow process at run time, then it uses a snapshot of the workflow process state. It does this so that it can can recover the state if a system failure occurs.
User Interact View	Specifies the name of the Siebel view that Siebel CRM displays.

Properties of Different Types of Workflow Process Steps

This topic describes properties of the various steps and connectors in a workflow process.

Table 248 describes properties of the start step.

Table 248. Properties of the Start Step

Start Property	Value
Name	Start
Parent Name	Workflow name:version
Processing Mode	Local Synchronous

Table 249 describes properties of the business service step.

Table 249. Properties of the Business Service Step

Business Service Property	Value
Allow Retry Flag	FALSE
Business Service Name	Choose the business service name from the picklist.
Business Service Method	Choose the business service method from the picklist.
Name	Business service 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

Table 250 describes properties of the decision point step.

Table 250. Properties of the Decision Point

Decision Point Property	Value
Name	Decision Point 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

Table 251 describes properties of the subprocess step.

Table 251. Properties of the Sub Process Step

Sub Process Property	Value
Name	Sub Process 0. You can modify this value, as necessary.
Sub Process Name	Choose the name of the subprocess from the picklist. Siebel CRM only displays subprocesses in this picklist that include a status of Complete.

Table 252 describes properties of the Siebel operation step.

Table 252. Properties of the Siebel Operation Step

Siebel Operation Property	Value
Allow Retry Flag	FALSE
Business Component	Choose the business component name from the picklist.
Name	Siebel Operation 0. You can modify this value, as necessary.

Table 252. Properties of the Siebel Operation Step

Siebel Operation Property	Value
Operation	Choose the operation from the list.
Parent Name	*Workflow name*:*version*

Table 253 describes properties of the task step.

Table 253. Properties of the Task Step

Task Property	Value
Name	Task 0. You can modify this value, as necessary.
Task Name	Choose the task name from the picklist.

Table 254 describes properties of the user interact step.

Table 254. Properties of the User Interact Step

User Interact Property	Value
Name	User Interact 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*
User Interact View	Choose the view name from the picklist.

Table 255 describes properties of the wait step.

Table 255. Properties of the Wait Step

Wait Property	Value
Business Service Method	Sleep
Business Service Name	Workflow Utilities
Maximum Iterations	Not applicable
Name	Wait 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

Table 256 describes properties of the stop step.

Table 256. Properties of the Stop Step

Stop Property	Value
Error Code	Choose the error code from the picklist.
Error Message	If you choose the Error code, then Siebel Tools populates the Error Message property.
Name	Stop 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

Table 257 describes properties of the end step.

Table 257. Properties of the End Step

Stop Property	Value
Name	End 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

Table 258 describes properties of the error exception connector.

Table 258. Properties of the Error Exception Connector

Error Exception Connector Properties	Value
Inactive	FALSE
Name	Error Exception 0. You can modify this value, as necessary.
Parent Name	Siebel CRM enters this value from step name.
Type	Error Exception
User Event Name	Leave this field empty.
User Event Storage	Leave this field empty.
User Event Timeout	0

WF Step Branch (H)

A WF step branch connects two workflow steps. It controls the data and process flow of a workflow process.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Workflow Process > WF Step > WF Step Branch

Table 259 describes properties that Siebel CRM uses with a WF step branch.

Table 259. Properties of the WF Step Branch

Property	Description
Event **(O) (R)**	Specifies the event that this WF step branch supports. The set of events is different for different object types. If the Event Object Type property is not empty, then the Event property is required.
Event Cancel Flag **(O)**	Specifies how Siebel CRM handles a cancel runtime event after the workflow process finishes. This property applies only to an event that Siebel CRM can cancel. It is similar to the CancelOperation in a script. If the Event Cancel Flag property is FALSE, then Siebel CRM creates the following error when the workflow process runs: `The specialized method` *`method_name`* `is not supported on this business component.`
Event Object **(O) (R)**	Specifies the event that Siebel CRM applies to this WF step branch. The values that you can set in the Event Object property depends on the value that you choose in the Event Object Type property. For example, if you set the Event Object Type to BusComp, then you choose only a business component in the Event Object property, such as Account.
Event Object Type **(O)**	Specifies the type of object that this WF step branch references, such as business component. If the Event Object Type property is not empty, then the Event Object property is required.
Event Visibility	Specifies to use a run-time event that Siebel CRM creates in the current local session or in another enterprise session. It uses this event to resume a workflow process instance that is waiting. If the workflow process is: ■ **Persistent.** You can set the Event Visibility property to Enterprise or Local. In most situations if a workflow process must wait for an event, then it must be persistent and you use Enterprise. ■ **Not persistent.** If it is not required that the workflow process be persistent, then it is recommended that you set the Event Visibility property to Local. If Event Visibility is Enterprise, then a run-time event searches for a matching workflow process instance. This configuration can affect performance.
Name	Specifies the name of this WF step branch. To import or export the workflow process, the name must be unique. If it is not unique, then you cannot commit the record.

Table 259. Properties of the WF Step Branch

Property	Description
Subevent **(O)**	Specifies the name of the method or field in a business component that Siebel CRM monitors. You set the Subevent property only if the Object Type property is BusComp or Applet and the event is InvokeMethod or SetFieldValue. For InvokeMethod, you specify the name of the method that Siebel CRM calls. For SetFieldValue, you specify the name of the field that Siebel CRM sets.
Type	Specifies the type of WF step branch. You can use one of the following values: ■ **Condition.** Use a condition for this task branch. ■ **Default.** If no other conditions are met, then use this task branch. Siebel CRM ignores any conditions that are defined for this task branch. ■ **Connector.** Do not use any condition branching. ■ **Error Exception.** Use exception handling. This connector type captures system errors. For example, the Assignment Manager server component is not available. ■ **User Defined Exception.** Use exception handling. This connector type captures errors that you define. For example, the user attempts to save an incomplete order.
User Event Name	Specifies a name that describes the user event. You must define a name that is unique and that is sufficiently long so that it remains unique for the Siebel enterprise. For example: `Order Placed-Begin Processing Event for Service Request Automation-Version 2`
User Event Storage	Specifies the process property that Siebel CRM uses as the destination for the payload on the incoming user event. This value can be a process property. The correlator must mark this process property.
User Event Timeout (Days)	Specifies the number days that a workflow process waits for a user event to resume operation. If the user event resides on a wait step, then you use this property. Do not set this property on a wait step.

WF Step I/O Argument (H)

A WF step I/O argument identifies the input and output arguments that a workflow process step uses. Each step accepts input from the workflow process and sends output to the workflow process.

This object type occurs in the following location in the object hierarchy:

■ Siebel Objects > Workflow Process > WF Step > WF Step I/O Argument

Table 260 describes properties that Siebel CRM uses with a WF step I/O argument.

Table 260. Properties of the WF Step I/O Argument

Property	Description
Business Component	Specifies the name of a business component that the business object references. The workflow process references this business object.
Business Component Field	Specifies the name of a business component field.
Input Flag	Specifies if the field is an input argument, output argument, or a search specification. This property is read only.
Name	Specifies text that describes the purpose of this step I/O argument.
Output Arg	Specifies the name of the output argument from the business service. The drop-down list for this property includes the output arguments that exist for the method you choose. Siebel CRM displays arguments in this list that include the following: ■ Defined as an argument on a business service method ■ The Hidden flag is FALSE ■ Type is Output or Input/Output
Preferred Sequence	Specifies the order that Siebel CRM uses for this WF step I/O argument. For Oracle internal use only.
Property Name **(R)**	Specifies the name of the process property that Siebel CRM uses to save the value of this WF step I/O argument.
Sequence	Specifies the order that Siebel CRM uses for this WF step I/O argument for upgrade purposes.
Type **(R)**	Specifies the type of argument.
Value/Search Specification	Specifies a search specification. If the Type property is Expression, then enter the Value/Search Specification property must contain an expression. For example: `[Status] LIKE '*Open*'` The Expression business component evaluates this expression.

WF Step Recipient (H)

A WF step recipient use a step recipient to assign a workflow process to a user. This assignment occurs according to login name. This login name can be a literal value, contained in a process property, or the result of an expression.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process > WF Step > WF Step Recipient

Table 261 describes properties that Siebel CRM uses with a WF step recipient.

Table 261. Properties of the WF Step Recipient

Property	Description
Business Component Field	Specifies the name of a business component field.
Business Component Name	Specifies the name of a business component that the business object references. The workflow process references this business object.
Expression	Specifies an expression that evaluates a value. it evaluates the expression that the Value column contains. If this expression references a business component field, then you must enter the name of the business component that contains this field. You enter this value in the Business Component column.
Name **(R)**	Specifies the name of this WF step recipient.
Process Property Name **(R)**	Specifies the name of a process property.
Recipient Name	Specifies the login name of the user.
Recipient Type Code	Specifies the type of this WF step recipient. You can choose only User.
Value Type Code	Specifies the value type code of this WF step recipient.

Workflow Process

A workflow process allows you to use a familiar flowcharting interface to define the business processes that your company uses. A workflow process includes one or more process steps, such as start steps, subprocesses, decision points, and tasks.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > Workflow Process

Table 262 describes properties that Siebel CRM uses with a workflow process.

Table 262. Properties of the Workflow Process

Property	Description
Auto Persist	If TRUE, then this workflow process is persistent.
Business Object	Specifies the name of the business object that this workflow process references. Optional. The drop-down list for this property displays only business objects that include a primary business component.
Effective End Date	Specifies a date that Siebel CRM uses to retire this workflow process. For example, you can set the start date to a future date and set the end date for the existing version to the same date. Siebel CRM uses the new version starting on this date.
Effective Start Date	Specifies a date that Siebel CRM uses to start using this workflow process.
Error Process Name	Specifies the name of a workflow process. If the workflow process on which you specify the Error Process Name property encounters an error, then it runs the workflow process that you define in this property.
Group	Specifies the name of a group. This group allows you to group similar workflow processes according to your criteria, such as all the workflow processes that support a particular business process. To define this group, you use the List of Values view in the Application Administration screen in the client. This property only applies to workflow processes before Siebel CRM version 7.7. Starting with version 7.7, it is recommended that you do not use this property. You can use the Project property instead.
Name **(R)**	Specifies a name for this workflow process.
Pass By Ref Hierarchy	If TRUE, and if this workflow process is a subprocess of another workflow process, then Siebel CRM uses a reference to send any modifications it makes in this workflow process to the parent workflow process. This property can reduce the amount of memory that a workflow process requires because Siebel CRM sends data through a reference instead of sending a value.
Process Name	Specifies a name that describes the work that this workflow process performs.

Table 262. Properties of the Workflow Process

Property	Description
Replication Level	Specifies how Siebel CRM synchronizes this workflow process with a Mobile Web Client. You can use one of the following values: ■ **All.** Synchronize this workflow process to all Remote users and to all regional nodes of the Siebel Server. ■ **Regional.** Synchronize this workflow process only to regional nodes. ■ **None.** Do not synchronize this workflow process.
State Management Type	For more information, see "State Management Type Property of a Workflow Process" on page 344.
Status	Displays the current status of this workflow process.
Version	Displays the version number of this workflow process. The default version is 0. Siebel Tools increments this version number by one each time you revise this workflow process.
Web Service Enabled **(O)**	If TRUE, then Siebel CRM exposes this workflow process as a Web service and can independently call it. Setting this property to TRUE does not automatically implement the workflow Web service. Defining the workflow process for a Web service does not set this property to TRUE.
Workflow Mode	Specifies the mode that defines the runtime configuration of this workflow process.

State Management Type Property of a Workflow Process

The State Management Type property specifies the type of business service request that Siebel CRM sends while this workflow process runs. A *stateless business service* does not depend on a state that is specific to the business service. You can set this property to one of the following values:

- **Stateful.** The Object Manager does not release a stateful or cached business service that the workflow process calls if the user pauses or finishes an instance of this workflow process. The Object Manager waits for the object that called the Workflow Engine to release the cached business service. To release this business service, the caller can use methods from the Web Channel Dedicated Block Service business service.
- **Stateless.** The Object Manager releases a stateful or cached business service that a workflow process calls if the user pauses or finishes an instance of this workflow process.

Every business service that this workflow process instance calls must be stateful or stateless.

The session state for the Object Manager requires a business service to contain a state management type. You must define a business service as Stateless or Stateful, or as a business service that the the Siebel Server manages.

For more information, see "State Management Type Property of a Workflow Process" on page 344 and *Siebel Business Process Framework: Workflow Guide*.

How the Workflow Mode Affects the State Manage Type

Siebel CRM sets the State Management Type property of a workflow process to Stateful, by default It does this to preserve the behavior for releases that occur earlier than Siebel CRM 8.1. If a workflow process runs through Web Channel, then it might be necessary to modify the State Management Type to Stateless to take advantage of the session pooling that the Object Manager provides. For more information about Web Channel, see *Siebel Web UI Dynamic Developer Kit Guide*.

Table 263 describes how the Workflow Mode property of a workflow process affects the State Management Type property.

Table 263. How the Workflow Mode Affects the State Manage Type

Workflow Mode	State Management Type	Description
Service Flow	Stateless	A service workflow process cannot contain a user interact step or wait step. Siebel CRM runs the entire workflow process before the Object Manager can release the session back to the session pool.
Interactive Flow	Stateless	An interactive workflow process can move between sessions through the Universal Inbox. The State Management Type property is relevant only if the workflow process runs through Web Channel. An interactive workflow process runs in a user interactive session so the State Management Type does not effect the behavior of an interactive workflow.
Long Running Flow	Stateless	The Workflow Engine allows a long-running workflow process to run between sessions even if the user pauses this workflow process. It is recommended that you do not define a long-running workflow process to call a stateful business service because Siebel CRM loses the state of this business service if the instance of a long-running workflow process moves from one user session to another user session.
7.0 Flow	Stateful	Do not modify this setting unless you are sure none of the business services that the workflow process calls directly or indirectly is a stateful business service.

Index

A

Abbreviation 1 property 182
Abbreviation 1-6 properties 249
Accelerator Locale object types, table of properties 169
accelerator object types
about and properties (table) 169
accelerator creation, format 18
Access Mode property
Task Property object type 264
WF Process Prop object type 331
Account Id Field property 239
Acknowledgement Web Page property 97
Acknowledgement Web View property 97
Active property
Dock Object object type 175
Dock Object Related DObj object type 176
Dock Object Visibility Rule object type 178
ActiveX Bind Property property 67
ActiveX Properties property 67
Adapter Info property
Integration Component Field object type 206
Integration Component object type 205
Integration Object object type 210
Add Team Members property
Assignment Object object type 296, 309
Add To History property
View object type 280
Admin Mode Flag
property 280, 283
Alias property
Column object type 240
EIM Interface Table Column object type 183
EIM Interface Table object type 182
Index object type 246
Table object type 249
Allow Object Locking property
Project object type 223
Allow Pause property
Task object type 254
Allow Retry Flag property
WF Step object type 333
Allow Reverse Scan property 246
Alpha Tab Search Field - Language Override property 85
Alpha Tab Search Field property
List Locale object type 93
List object type 85
Alpha Template property 220
Alt Text property
Bitmap Locale object type 114
Bitmap object type 112
Append Data property 249
Applet Browser Script object type, about and properties (table) 37
Applet Field Name property
Task Branch Criteria object type 257
WF Branch Criteria object type 328
Applet Locale object type, about and properties (table) 38
Applet Message Locale object type, about and properties (table) 39
Applet Message object type, about and properties (table) 39
Applet Message Variable Locale object type, about and properties (table) 40
Applet Message Variable object type, about and properties (table) 40
Applet Method Menu Item Locale object type, about and properties (table) 42
Applet Method Menu Item object type
about and properties (table) 41
Applet Mode property 287
Applet Name property
Find Pick View object type 196
Task Branch Criteria object type 257
WF Branch Criteria object type 328
Applet object type
search specification, about 37
Applet object type, about and properties (table) 32
Applet property
Applet Toggle object type 43
Find object type 193
Tree Node object type 94
View Web Template Item object type 287
Workflow Policy Column object type 294
Workflow Policy Program Arg object type 322
Applet Script object type
about and properties (table) 42
Script Editor usage 43

Applet Server Script object type, about and properties (table) 43
Applet Toggle object type, about and properties (table) 43
Applet User Prop object type
about and properties 44
Applet Visibility Type property 287
Applet Web Template Item Locale object type, about and properties (table) 47
Applet Web Template Item object type, about and properties (table) 45
Applet Web Template object type
about and properties (table) 44
Application Browser Script object type, about and properties (table) 98
Application Code property 15
Application Event Services object type, about and properties (table) 99
Application Find object type, about and properties (table) 99
Application Locale object type, about and properties (table) 100
Application Method Menu Item Locale object type, about and properties (table) 101
Application Method Menu Item object type, about and properties (table) 100
Application object type, about and properties (table) 97
Application property
View Task Group object type 285
Application Server Script object type, about and properties (table) 101
Application Table Name property 187
Application Toolbar object type, about and properties (table) 102
Approved property
Symbolic String object type 237
Argument property
Task Event IO Argument object type 261
Task Step IO Argument object type 269
arguments
name property values for workflow policy programs 323
Arrow Down Bitmap property 199
Arrow Up Bitmap property 199
ASCII Only property 240
Assignment Attribute Column object type
about and properties (table) 106
check in before use usage 108
Assignment Attribute object type
about and properties (table) 105
Assignment Attribute property
Assignment Criteria Attribute object type 109
Assignment Criteria Attribute Locale
about and properties (table) 110
Assignment Criteria Attribute object type
about and properties (table) 109
Assignment Criteria Locale object type, about and properties (table) 111
Assignment Criteria object type
about and properties (table) 108
Assignment Criterion property
Dynamic Candidate Attribute object type 314
Assignment Date Column property
Assignment Object object type 296
Assignment Mode property
Assignment Object object type 296
Assignment Object Extension object type
about and properties (table) 310
Assignment Object object type
about and properties (table) 295
Assignment Object property
Assignment Attribute Column object type 107
Assignment Scoring Mode property
Assignment Object object type 296
Assignment User Prop object type
about and properties (table) 312
undocumented user properties, changing 277
Associate Applet property 32
Attribute Id Column property
Dynamic Candidate object type 313
Attribute Mapping object type, about and properties (table) 180
Attribute object type, about and properties (table) 277
Attribute Sequence property 251
Attribute Table property
Dynamic Candidate object type 313
Attributes property 175
Auto Primary property 143
Auto Query Mode property 32
Auto Reassign property
Assignment Object object type 297
Auto Toggle Field property 43
Auto Toggle Value property 43
Automatic Horizontal Scroll property 67
Automatic Vertical Scroll property 67
Aux Field Name property 201
Available - Language Override property 86
Available property 86, 91
Axis Id property 56

Axis Label property 63
Axis Line Grid property 63
Axis Title property 64

B

Background Bitmap property
Applet object type 32
View object type 280
Background Bitmap Style property 32
Background Model property
Server Component Type object type 235
Background Text Style property 68
Bar Bitmap property 199
Bar Colors property 49
Base Object Type property 210
Base Table Attribute Column Name property 181
Base Table Name property
EIM Interface Table object type 182
Table object type 249
Batch Mode property
Server Component Type object type 235
Bitmap Category object type, about and properties (table) 113
Bitmap Category property
Icon object type 200
Page Tab object type 103
Screen object type 226
Tree Node object type 94
Type object type 279
View object type 280
Bitmap Column Heading property 86
Bitmap Index Field property 94
Bitmap Index property 94
Bitmap Locale object type, about and properties (table) 113
Bitmap object type, about and properties (table) 112
Bitmap property
Command object type 170
Control object type 68
Icon object type 200
Web Template File object type 293
Bold property 273
Bounded property
Assignment Attribute object type 105
Pick List object type 221
Browser Class property
Business Component object type 117
Business Service object type 157
Browser Group property
Applet Browser Script object type 38
Application Browser Script object type 98
BusComp Browser Script object type 115
Business Service Browser Script object type 158
Browser Platform property 169
BusComp Browser Script, about and properties (table) 115
BusComp property 155
BusComp Server Script object type, about and properties (table) 115
BusComp View Mode object type
about and properties (table) 115
Business Component Field property
Entity Attribute object type 189
Integration Component Field object type 206
Task Branch Criteria object type 257
Task Event IO Argument object type 261
Task Step IO Argument object type 269
WF Branch Criteria object type 328
WF Step I/O Argument object type 341
WF Step Recipient object type 342
Business Component Name property
WF Step Recipient object type 342
Business Component object type
about and properties (table) 117
inserts, updates, and deletes 124
MVG business components, properties that work for 125
persistence of a particular instance, about 124
Business Component property
Applet object type 33
Drilldown Object object type 82
Entity object type 188
Entity Physical Relation object type 190
Import Object object type 204
Integration Component object type 205
Pager Object object type 220
Pick List object type 221
System Activity Object object type 239
Task Branch Criteria object type 257
Task Event IO Argument object type 261
Task Step IO Argument object type 269
Task Step object type 265
Tree Node object type 94
Type object type 279
WF Branch Criteria object type 328, 333
WF Process Prop object type 331
WF Step I/O Argument object type 341
WF Step object type 333
Business Component User Prop
about and properties (table) 125
Business Object Component object type, about and properties (table) 155

Business Object object type, about and properties (table) 154
Business Object property
Content Object object type 173
Integration Object object type 210
Task object type 254
View object type 280
WF Process Prop object type 331
Workflow Process object type 343
Business Service Browser Script object type, about and properties (table) 158
Business Service Locale object type, about and properties (table) 158
Business Service Method Arg Locale object type, about and properties (table) 161
Business Service Method Arg object type, about and properties (table) 159
Business Service Method Locale object type, about and properties (table) 161
Business Service Method object type, about and properties (table) 159
Business Service Method property
Task Event object type 260
WF Step object type 334
Business Service Name property
Task Event object type 260
WF Step object type 334
Business Service object type, about and properties (table) 156
Business Service property 170
Business Service Server Script object type
about and properties (table) 162
Business Service Subsystem object type, about and properties (table) 162
Business Service User Prop object type
about and properties (table) 162

C

Cache Data property
Business Component object type 117
Use Primary Join, about setting both properties to TRUE 145
Cache property 157
Calculated property
Field object type 126
Multi Value Field object type 141
Server Component Statistic object type 234
Single Value Field object type 149
Calculated Value property
Field object type 126
Server Component Statistic object type 234
Single Value Field object type 149
Calendar Activity Additional Fields property
Assignment Object object type 297
Calendar Create Activity property
Assignment Object object type 298
Calendar Duration Column property
Assignment Object object type 298
Calendar Early Start Time Column property
Assignment Object object type 298
Calendar Start Time Column property
Assignment Object object type 298
Caption property
Control Locale object type 80
Control object type 68
Menu Item Locale object type 217
Menu Item object type 217
Web Page Item Locale object type 291
Web Page Item object type 290
Cardinality property 205
Entity Relation object type 190
Cascade Clear property
Column object type 240
EIM Interface Table Column object type 183
Cascade Delete property 212
Category Captions property
Chart Locale object type 66
Chart object type 49
Category Column Name property 178
Category Default View property
Screen View object type 227
Category Display Name property
Command Locale object type 172
Command object type 170
Category Field
Chart object type, contents of 53
property 49
Category Name property
Screen View object type 227
Category property
Attribute object type 277
Command object type 170
Category Table Name property 178
Changed property 15
Chapter property
Task Step object type 265
Chart Element Locale object type, about and properties (table) 65
Chart Element object type, about and properties (table) 55
Chart Locale object type, about and properties (table) 65
Chart object type

about and properties (table) 48
Category Field, contents of 53
Check Bitmap Identifier property 86
Check DObj Visibility Strength property 179
Check Dock Object Name property 179
Check No Match property 143
Check Visibility property 176
Child Business Component property 212
Class Method Menu Item Locale object type, about and properties (table) 166
Class Method Menu Item object type, about and properties (table) 165
Class Method object type, about and properties (table) 165
Class object type
about and properties (table) 163
Class property
Applet object type 33
Business Component object type 117
Business Service object type 157
Control object type 68
Toolbar object type 274
Class User Prop object type, about and properties (table) 166
Class User Prop Value object type, about and properties (table) 168
Client Restriction property
Screen View object type 227
Toolbar object type 274
Close Bitmap property 199
Cluster 2 property 247
Cluster property 247
Code or Class Id property 175
Code Symbol property
Server Component Event Subtype object type 231
Server Component Event Type object type 231
Server Component Parameter object type 232
Server Component State Value object type 233
Server Component Statistic object type 234
Server Component Type object type 235
Collapse Bitmap property 199
Collapse Elbow Bitmap property 199
Collapse Tee Bitmap property 199
Color property 56
Task Chapter object type 258
Column Name property
Attribute object type 277
Index Column object type 248
User Key Column object type 253
Workflow Policy Column object type 294
Column object type
about and properties (table) 240
custom extension columns, about configuring 245
Column property
Field object type 126
Import Field Column object type 202
Integration Component Field object type 206
Single Value Field object type 150
Column Sequence property 253
Column Span - Language Override property
Applet Web Template Item object type 46
Column Span property
Applet Web Template Item Locale object type 48
Applet Web Template Item object type 46
Command Locale object type, about and properties (table) 172
Command object type, about and properties (table) 170
Command property
Applet Method Menu Item 41
Class Method Menu Item object type 165
Menu Item object type 217
Toolbar Item object type 275
Comments property 15
Company Logo Bitmap property 97
Compare property 49
Compare To property
Task Branch Criteria object type 257
WF Branch Criteria object type 328
Component Definition Settable property 232
Component Settable property 232
Constrain property
MVF Pick Map object type 146
Pick Map object type 147
SVF Pick Map object type 153
Contact Id Field property 239
Container Web Page property
Application object type 97
View object type 280
Content Fixup Name property
Control object type 69
List Column object type 86
Content Object object type, about and properties (table) 173
Content Object View object type, about and properties (table) 174
Context Business Component property
Task Group Item object type 271

Control Locale object type, about and properties (table) 80
Control object type
about and properties (table) 66
Control property 46
Control User Prop object type
about and properties (table) 81
changing undocumented user properties 245
Coordinates property 56
Correlator Flag property
WF Process Prop object type 331
Country Code Column property 203
Currency Code Field property
Field object type 126
Single Value Field object type 150
Current String Value property
Symbolic String object type 237
custom extension columns, about configuring 245

D

Data Example property
Entity Attribute object type 189
Data Function property 49
Data Point Captions property
Chart Locale object type 66
Chart object type 49
Data Point Field property 50
Data property 112
Data Source object type, about and properties (table) 246
Data Source property 118
Data Type property
Assignment Attribute object type 105
Business Service Method Arg object type 159
Entity Attribute object type 189
Server Component Parameter object type 232
Server Component State Value object type 233
Server Component Statistic object type 234
Task Property object type 264
WF Process Prop object type 332
data types
DTYPE_BOOL 134
DTYPE_CURRENCY 134
DTYPE_DATE 134
DTYPE_DATETIME 134
DTYPE_ID 134
DTYPE_INTEGER 134
DTYPE_NOTE 134
DTYPE_NUMBER 134
DTYPE_PHONE 134
DTYPE_TEXT 135
DTYPE_TIME 135
DBX SQL Statement property 179
Debug Only property
Server Component Type object type 235
Default Applet Focus property 280
Default Button property 69
Default Date property
WF Process Prop object type 332
Default Employee property
Assignment Object object type 299
Default Find property 100
Application object type 97
Default Group property
Assignment Object object type 299
Default Map Column Name Prefix property 185
Default Number property
WF Process Prop object type 332
Default Org property
Assignment Object object type 299, 309
Default Organization property
Assignment Object object type 309
Default Position property
Assignment Object object type 299
Default property
Column object type 241
EIM Interface Table Column object type 183
Task Property object type 264
Default String property
WF Process Prop object type 332
Default Value property
Server Component Parameter object type 232
Workflow Policy Program Arg object type 322
Default View property 226
Defect Id Field property 239
Defer Write Record property
Task Step object type 265
Definition property
Symbolic String object type 237
Denormalization Path property
Column object type 241
EIM Interface Table Column object type 183
Description property
Class User Prop object type 167
Class User Prop Value object type 168
Server Component Event Subtype object

type 15
Dest Field property 126
Destination Business Component property 143
Destination Column property
Join Constraint object type 138
Join Specification object type 139
Destination Drilldown Object property 317
Destination Field property
Drilldown Object object type 82
Find object type 193
Link object type 212
Destination Link property 143
Destination Table Name property 185
Detail Applet property
Control object type 69
List Column object type 86
Dflt Mapping Col Name property 249
Dirty Reads property 118
Disable Dataloss Warning property
Applet object type 33
Disable PDQ property 280
Display Flag property Assignment Criteria object type 108
Display Format property
Chart Element object type 56
Control object type 69
List Column object type 86
Display In Page property
Screen View object type 228
Display In Site Map property
Screen View object type 228
Display Name property
Accelerator Locale object type 170
Accelerator object type 169
Application Locale object type 100
Application object type 97
Assignment Criteria Attribute Locale object type 111
Assignment Criteria Attribute object type 109
Assignment Criteria Locale object type 111
Assignment Criteria object type 108
Business Service Locale object type 158
Business Service Method Arg Locale object type 161
Business Service Method Arg object type 159
Business Service Method object type 159
Business Service object type 157
Command Locale object type 172
Command object type 170
Dynamic Candidate Locale object type 316
Dynamic Candidate object type 313
Find Field Locale object type 195
Find Field object type 194
Find Locale object type 196
Find object type 193
Import Field Locale object type 203
Import Field Map object type 203
Import Field object type 202
List Column Locale object type 91
List Column object type 86
Server Component Event Subtype object type 231
Server Component Event Type object type 231
Server Component Parameter object type 232
Server Component State Value object type 233
Server Component Statistic object type 234
Server Component Type object type 235
Task Chapter Locale object type 259
Task Chapter object type 258
Task Group Locale object type 272
Task Group object type 271
Task Locale object type 262
Task object type 254
Task Step Locale object type 270
Task Step object type 265
Toolbar Item Locale object type 276
Toolbar Item object type 275
Toolbar Locale object type 276
Toolbar object type 274
Tree Node Locale object type 96
Tree Node object type 94
WF Process Prop object type 332
Display Name Type property
Task Step object type 265
Display Sequence - Language Override property
Assignment Criteria Attribute object type 109
Display Sequence property
Assignment Criteria Attribute Locale object type 111
Assignment Criteria Attribute object type 109
Display Size property 287
Display Visibility property 287
Distinct property 118
Divisions property 57
DLL object type, about and properties (table) 174
DLL property 163

Do Not User Container property 290
Dock Code property 175
Dock Object object type, about and properties (table) 175
Dock Object Related DObj object type, about and properties (table) 176
Dock Object Sub Type property
Dock Object Table object type 177
Dock Object Visibility Rule object type 179
Dock Object Table object type, about and properties (table) 177
Dock Object Visibility Rule object type, about and properties (table) 178
Drilldown Business Component property
Find Field object type 194
Drilldown Destination Field property
Find Field object type 194
Drilldown Object Locale object type, about and properties (table) 84
Drilldown Object object type, about and properties (table) 82
Drilldown Source Field property
Find Field object type 194
Drilldown View property
Find Field object type 194
Find object type 193
drilldowns, differences between static and dynamic 317
Drop Sectors property 280
DTYPE_BOOL data type 134
DTYPE_CURRENCY data type 134
DTYPE_DATE data type 134
DTYPE_DATETIME data type 134
DTYPE_ID data type 134
DTYPE_INTEGER data type 134
DTYPE_NOTE data type 134
DTYPE_NUMBER data type 134
DTYPE_PHONE data type 134
DTYPE_TEXT data type 135
DTYPE_TIME data type 135
Dynamic Candidate Attribute object type, about and properties (table) 314
Dynamic Candidate Component Col object type, about and properties (table) 315
Dynamic Candidate Component object type, about and properties (table) 314
Dynamic Candidate Locale object type, about and properties (table) 316
Dynamic Candidate object type, about and properties (table) 313
Dynamic Drilldown Destination object type
about and properties (table) 316
drilldowns, differences between static and dynamic 317
Dynamic Tooltip property 171

E

Edit property
WF Branch Criteria object type 328
Editable property 50
Effective End Date property
Workflow Process object type 343
Effective Start Date property
Workflow Process object type 343
EIM Delete Proc Column Name property 182
EIM Exists Proc Column Name property 185
EIM Explicit Primary Mapping object type, about and properties (table) 181
EIM Export Proc Column Name property 182
EIM Foreign Key Proc Column property 186
EIM Interface Table Column object type, about and properties (table) 183
EIM Interface Table object type, about and properties (table) 182
EIM Merge Proc Column Name property 182
EIM Processing Column Flag property
Column object type 242
EIM Interface Table Column object type 183
EIM ROW_ID Proc Column Name property 185
EIM Status Proc Column Name property 185
EIM Table Mapping object type, about and properties (table) 185
EIM Unique Proc Column Name property 185
Elbow Bitmap property 199
Employee Column Name property 179
Employee Column property
Assignment Object object type 299
Employee Denorm Column property
Assignment Object object type 299, 309
Employee Field property 220
Employee Key Column property
Assignment Object object type 299
Employee Manual Column property
Assignment Object object type 299, 309
Employee Primary Column List property
Assignment Object object type 300, 309
Employee Primary Column property

Assignment Object object type 300
Employee Primary Denorm Column property
Assignment Object object type 300
Employee Primary Manual Column property
Assignment Object object type 300
Employee Primary System Column property
Assignment Object object type 300
Employee Reporting Column property
Assignment Object object type 310
Employee Reporting Deletion Column property
Assignment Object object type 310
Employee Reporting Insertion Column property
Assignment Object object type 311
Employee Reporting Key Column property
Assignment Object object type 311
Employee Reporting Table property
Assignment Object object type 311
Employee Skill property Assignment Criteria object type 108
Employee System Column property
Assignment Object object type 300, 309
Employee Table Name property 179
Employee Table property
Assignment Object object type 301
Employee Team Copy Columns property
Assignment Object object type 301, 309
Employee Team Denorm Column property
Assignment Object object type 309
Employee Team Manual Column property
Assignment Object object type 309
Employee Team System Column property
Assignment Object object type 309
Enclosure Id Field property 118
End Name 1 property
Entity Relation object type 190
End Name 2 property
Entity Relation object type 190
Enterprise Integration Manager (EIM), object types 19
Enterprise Settable property 232
Entity 1 property
Entity Relation object type 190
Entity 2 property
Entity Relation object type 191
Entity Attribute object type, about and properties (table) 188
Entity object type, about and properties (table) 188
Entity Physical Relation object type, about and properties (table) 189
Entity Relation object type, about and properties (table) 190
Entity Relationship Diagram object type, about and properties (table) 191
Error Code property
WF Step object type 334
Error Message property
WF Step object type 334
Error Process Name property
Workflow Process object type 343
Error Web Page property 97
Event Cancel Flag property
WF Step Branch object type 339
Event Name property 99
Event Object property
WF Step Branch object type 339
Event Object Type property
WF Step Branch object type 339
Event property
WF Step Branch object type 339
Event Visibility property
WF Step Branch object type 339
Exchange Date Field property
Field object type 127
Single Value Field object type 150
Exclude Column property
Assignment Object object type 301, 309
Expand Bitmap property 199
Expand Elbow Bitmap property 199
Expand Tee Bitmap property 199
Explicit Logon property 280
Explicit Mapping property 185
Expression Business Component property
Task Step Context object type 268
Expression property 288
Applet Web Template Item object type 46
Applet Web Template object type 45
WF Step Recipient object type 342
Extension Type property 119
External API Write property
Table object type 249
External Data Type property 206
External Length property 206
External Major Version property 211
External Minor Object property 211
External Name property
Integration Component Field object type 206
Integration Component object type 205
Integration Object object type 211
External Precision property 206
External Required property 207
External Scale property 207
External Search Engine object type 191
External Search Engine object type, about and properties (table) 191

External Sequence property
Integration Component Field object type 207
Integration Component object type 205
External Use property 157

F

Field - Language Override property
Applet Message Variable object type 40
Field Locale object type, about and properties (table) 136
Field Name property
Find Pick View object type 196
Integration Component Key Field object type 209
Field object type
about and properties (table) 126
type property, about and table of values 133
virtual business components, supported (list of) 136
Field property
Applet Message Variable Locale object type 41
Applet Message Variable object type 40
Control object type 69
Dynamic Drilldown Destination object type 317
Find Field object type 194
Import Field Map object type 203
Import Field object type 202
List Column object type 86
Multi Value Field object type 141
MVF Pick Map object type 146
MVF Pick Map UpdOnlyIfNull object type 147
Pick Map object type 147
Pick Map UpdOnlyIfNull object type 149
SVF Pick Map object type 153
SVF Pick Map UpdOnlyIfNul object type 154
Field Retrieval Type property
Control object type 69
List Column object type 86
Field Type property
Control object type 69
Integration Component Field object type 207
Field User Prop object type
about and properties (table) 137
File Name property
Bitmap object type 112
DLL object type 175
Web Template File object type 293
File property
EIM Interface Table object type 182
Table object type 249
Filter Business Component property
Task Step Context object type 268
Filter Sql Statement property 177
Find Field Locale object type, about and properties (table) 195
Find Field object type
about and properties (table) 193
field restriction, about 194
query by example (QBE). about different behaviors 195
Find Locale object type, about and properties (table) 196
Find object type, about and properties (table) 192
Find Pick View object type
about and properties (table) 196
applet, associating with and example 196
Find property 100
Find View object type
about and properties (table) 197
FK Column 1:M Rel Name property 242
FK Column M:1 Rel Name property 242
Font Effect property 57
Font Face property 273
Font Name property 57
Font Size property
Chart Element object type 57
Text Style object type 273
Font Style property 57
Force Active property
Business Component object type 119
Field object type 127
Multi Value Field object type 141
Single Value Field object type 150
Force Case property
Column object type 242
EIM Interface Table Column object type 183
Field object type 127
Single Value Field object type 150
Force Enable property 171
Foreground Text Style property 70
Foreign Key Column Name property 186
Foreign Key Mapping Column object type, about and properties (table) 186
Foreign Key Mapping object type, about and properties (table) 186
Foreign Key Table Name property
Column object type 242
EIM Interface Table Column object

type 183
Foreign Key Table property 242
Format String property
Entity Attribute object type 189
From Step Name property
WF Branch Connector object type 327
functions
GetProperty 162
SetProperty 162

G

GenReassignAct property 119
GetProperty function 162
GGParent property 15
Glossary property
Symbolic String object type 237
GParent property 15
Graphic property 64
Graphic Type property 58
Grid Property property
Applet Web Template Item object type 46
Group Column property
Assignment Object object type 301, 309
Group Denorm Column property
Assignment Object object type 301, 309
Group Manual Column property
Assignment Object object type 301, 309
Group Primary Column List property
Assignment Object object type 302, 309
Group Primary Column property
Assignment Object object type 302, 309
Group Primary Denorm Column property
Assignment Object object type 302, 309
Group Primary Manual Column property
Assignment Object object type 302, 309
Group Primary System Column property
Assignment Object object type 302, 309
Group property
Control object type 70
Integration Component Field object type 207
Table object type 249
Toolbar Item object type 275
Workflow Process object type 343
Group System Column property
Assignment Object object type 302, 309
Group Table property
Assignment Object object type 302, 309
guidelines
DB operations, using 321
long-running workflows, using a stateful business service with 345

H

Handheld Client property 163
Height - Language Override property 70
Height property
Applet object type 33
Bitmap object type 112
Control Locale object type 80
Control object type 70
Help Id object type, about and properties (table) 198
Help Identifier property
Applet object type 33
Screen object type 226
View object type 280
hidden object types and properties
about 13
Hidden property
Business Service Method Arg object type 159
Business Service Method object type 159
Business Service object type 157
Field object type 127
Multi Value Field object type 141
Single Value Field object type 150
Hierarchy Parent Field property 119
High Interactivity Enabled
property 164
HTML Attribute property 87
HTML Attributes property
Control object type 70
Toolbar Item object type 275
Web Page Item object type 290
HTML Bitmap property
Command object type 171
Control object type 70
View object type 280
HTML Closed Bitmap property 94
HTML Default Control property 70
HTML Disabled Bitmap property
Command object type 171
Control object type 70
HTML Display Mode property
Control object type 71
List Column object type 87
HTML Height - Language Override property
Control object type 72
List Column object type 87
HTML Height property
Control Locale object type 80
Control object type 72
List Column Locale object type 91
List Column object type 87
HTML Help URL property 198

HTML Hierarchy Bitmap object type, about and properties (table) 198
HTML Hierarchy Bitmap property
List object type 85
Tree object type 93
HTML Icon Map property
Control object type 72
List Column object type 87
HTML List Edit property 87
HTML Max Chars Displayed - Language Override property
Control object type 72
List Column object type 87
HTML Max Chars Displayed property
Control Locale object type 80
Control object type 72
List Column Locale object type 91
List Column object type 87
HTML Multi Row Edit property 85
HTML Multi Row Select property 85
HTML Number of Rows
property 34
HTML Only property
Control object type 72
List Column object type 87
HTML Open Bitmap property 94
HTML Popup Dimension property
Applet object type 34
Command object type 171
View object type 281
HTML Row Sensitive property
Control object type 73
List Column object type 88
HTML Sequence - Language Override property
Control object type 73
List Column object type 88
HTML Sequence property
Control Locale object type 80
Control object type 73
List Column Locale object type 92
List Column object type 88
HTML Type property
Control object type 73
List Column object type 88
Toolbar Item object type 275
HTML Width - Language Override property
Control object type 73
List Column object type 88
Toolbar Item object type 275
HTML Width property
Control Locale object type 80
Control object type 73
List Column Locale object type 92
List Column object type 88
Toolbar Item Locale object type 276
Toolbar Item object type 275
Hyperlink Field property 83

I

ICL Upgrade Path property 15
Applet object type 34
Icon Map object type, about and properties (table) 200
Icon object type, about and properties (table) 200
Ignore Assignment Attributes property
Assignment Object object type 302, 309
Ignore Extra Attributes property
Assignment Object object type 309
Immediate Post Changes property 127
Import Aux Field object type
about and properties (table) 201
duplicate keys and searching 201
Import Field column object type, about and properties (table) 202
Import Field Locale object type, about and properties (table) 202
Import Field Map object type, about and properties (table) 203
Import Field object type, about and properties (table) 201
Import Key Field object type, about and properties (table) 204
Import Object object type
about and properties (table) 204
Import Source object type, about and properties (table) 204
In/Out property
Task Property object type 264, 333
WF Process Prop object type 333
Inaccessible property 251
Inactive property 15
Inbox Disposition property
Task object type 255
Index Column object type, about and properties (table) 248
Index Name property 251
Index object type
about and properties (table) 246
caution, creating indexes and decreasing performance 246
Inf Tbl Exp Primary Flg Col Name property
EIM Explicit Primary Mapping object type 181
information access, objects related to 19
Input Flag property

WF Step I/O Argument object type 341
Input/Output property
Task Event IO Argument object type 261
Task Step IO Argument object type 269
Insert Applet property 34
Insert Position property 34
Insert Update All Columns property 119
Integration Component Field object type, about and properties (table) 206
Integration Component Field User Prop object type
about and properties (table) 208
Integration Component Key Field object type, about and properties (table) 209
Integration Component Key object type, about and properties (table) 209
Integration Component object type, about and properties (table) 205
Integration Component User Prop object type
about and properties (table) 210
Integration Object object type, about and properties (table) 210
Integration Object property
Business Service Method Arg object type 160
Content Object object type 173
Task Property object type 264
WF Process Prop object type 333
Integration Object User Prop object type
about and properties (table) 211
Inter Child Column property 212
Inter Child Delete property 212
Inter Parent Column property 212
Inter Table property
Link object type 212
Interactive property
Server Component Type object type 235
Interface Table Data Column property
Attribute Mapping object type 181
Foreign Key Mapping Column object type 187
Interface Table User Key Usage object type, about and properties (table) 187
Internal Pick Applet property 127
Invert property 50
Is Subtask property
Task object type 255
Is User Search Spec property
Task Step Context object type 268
Italic property 273
Item Identifier - Language Override property
Applet Web Template Item object type 46
View Web Template Item object type 288
Web Page Item object type 290
Item Identifier property
Applet Web Template Item Locale object type 48
Applet Web Template Item object type 46
View Web Template Item Locale object type 289
View Web Template Item object type 288
Web Page Item Locale object type 291
Web Page Item object type 290
Item Type Name property
WF Branch Criteria object type 328

J

Java Package property 175
Java Thin Client property 164
Join Alias property
Entity Physical Relation object type 190
Join Column Name property
User Key Attribute Join object type 252
User Key Attribute Tree Node object type 252
Join Constraint object type, about and properties (table) 138
Join object type
about and properties (table) 137
Join property
Field object type 128
Single Value Field object type 150
Join Sequence property
User Key Attribute Join object type 252
User Key Attribute Tree Node object type 252
Join Spec property 318
Join Specification object type
about and properties (table) 139
Join Type property 252

K

Keep Creator property
Assignment Object object type 303
Keep Man Asgn Primary Employee property
Assignment Object object type 303, 309
Keep Man Asgn Primary Group property
Assignment Object object type 303, 309
Keep Man Asgn Primary Org property
Assignment Object object type 303
Keep Man Asgn Primary Position property
Assignment Object object type 303, 309
Keep Manual Assigned property
Assignment Object object type 310
Keep Manual Primary Employee property

Assignment Object object type 309
Keep Manual Primary Position property
Assignment Object object type 309
Keep Primary Manual Rule property
Assignment Object object type 309
Keep User Assigned property
Assignment Object object type 304, 310
Key Based Routing property 235
Key Field property 204
Key Generation Business Service property
Table object type 249
Key Generation Service Method property
Table object type 250
Key Sequence - Language Override property 169
Key Sequence Number property 209
Key Sequence property
Accelerator Locale object type 170
Accelerator object type 169
Key Type property 209

L

Label Field property 94
Label property
Task Branch object type 256
Language Code property 15
Applet Message Locale object type 39
Language Locked property 223
Language Override Attribute property 277
Language Sub Type property 279
Layout property
WF Branch Connector object type 327
Leaf Bitmap property 199
Left - Language Override property 73
Left property
Control Locale object type 80
Control object type 73
Left Text property 73
Legend property 64
Length property 207
Entity Attribute object type 189
Level property 233
Line Style property 58
Line Width property 58
Link Name property
Entity Physical Relation object type 190
Link object type
about and properties (table) 211
Link property 155
Link Specification property
Field object type 128
Multi Value Field object type 141
Single Value Field object type 151
List Column Locale object type, about and properties (table) 91
List Column object type, about and properties (table) 85
List Locale object type, about and properties (table) 93
List object type, about and properties (table) 84
List Of Values property 59
Lock Assignment Column property
Assignment Object object type 309
Locked By (Id) property 223
Locked Date property 223
Locked property 223
Log Base property 59
Log Changes property 119
Login Web Page property 97
Logoff Acknowledgement Page property 97
Long List property 221
LOV Bounded property
Column object type 242
EIM Interface Table Column object type 183
LOV Type property
Column object type 242
EIM Interface Table Column object type 183

M

Mail Address Field property 34
Mail Template property 35
Max Child Items property 95
Max Number Per Role property
Assignment Object object type 304
Max Rows property 192
Max Time property 192
Maximum Cursor Size property 120
Maximum Iterations property
WF Step object type 334
Menu Editor usage note
Applet Method Menu Item object type 41
Menu Item Locale object type, about and properties (table) 217
Menu Item object type, about and properties (table) 216
Menu object type, about and properties (table) 216
Menu property 98
Menu Text property
Applet Method Menu Item Locale object type 42
Applet Method Menu Item object type 41

Application Method Menu Item Locale object type 101
Application Method Menu Item object type 101
Class Method Menu Item Locale object type 166
Class Method Menu Item object type 165
Drilldown Object Locale object type 84
Drilldown Object object type 83
Screen View Locale object type 230
Screen View object type 228
Message Category object type, about and properties (table) 218
Message Locale object type, about and properties (table) 219
Message object type, about and properties (table) 218
Method Argument property 171
Method Invoked property
Control object type 74
Web Page Item object type 290
Method Name property 99
Method property
Application Method Menu Item object type 101
Class Method object type 165
Command object type 171
Metric Name property
Task Metric object type 263
WF Process Metric object type 330
MIME Type property 112
Mode property 47
Module property 15
Move Range property 288
Multi Data Point property 50
Multi Line property 75
Multi Recipient Select property 120
Multi Value Field object type, about and properties (table) 140
Multi Value Link object type, about and properties (table) 142
Multi Value Link property
Field object type 128
Multi Value Field object type 141
Multi Valued property 128
MVF Pick Map object type
about and properties (table) 145
multi-value fields, about constraining pick maps on 146
MVF Pick Map UpdOnlyIfNull object type, about and properties (table) 146
MVG Applet property
Control object type 75
List Column object type 88
MVG business component 125

N

Name property
Accelerator Locale object type 170
Accelerator object type 169
Applet Browser Script object type 38
Applet Locale object type 38
Applet Message object type 39
Applet Message Variable Locale object type 41
Applet Method Menu Item 41
Applet Method Menu Item Locale object type 42
Applet object type 35
Applet Script object type 42
Applet Toggle object type 44
Applet User Prop object type 44
Applet Web Template Item Locale object type 48
Applet Web Template Item object type 47
Applet Web Template object type 45
Application Browser Script object type 98
Application Event Services object type 99
Application Find object type 100
Application Locale object type 100
Application Method Menu Item Locale object type 101
Application Method Menu Item object type 101
Application object type 98
Application Toolbar object type 102
Assignment Attribute Column object type 107
Assignment Attribute object type 105
Assignment Criteria Attribute Locale object type 111
Assignment Criteria Attribute object type 110
Assignment Criteria Locale object type 111
Assignment Criteria object type 108
Assignment Object Extension object type 311
Assignment Object object type
Assignment Object object type 304
Assignment User Prop object type 313
Attribute Mapping object type 181
Attribute object type 277
Bitmap Category object type 113
Bitmap Locale object type 114
Bitmap object type 112
BusComp Browser Script object type 115
BusComp View Mode object type 116

Business Component object type 120
Business Component User Prop object type 125
Business Object Component object type 155
Business Object object type 155
Business Service Browser Script object type 158
Business Service Locale object type 158
Business Service Method Arg object type 160
Business Service Method Arg User Prop object type 161
Business Service Method object type 159
Business Service object type 157
Business Service Subsystem object type 162
Business Service User Prop object type 163
Chart Element Locale object type 65
Chart Element object type 60
Chart Locale object type 66
Chart object type 50
Class Method Menu Item Locale object type 166
Class Method Menu Item object type 165
Class Method object type 165
Class object type 164
Class User Prop object type 167
Class User Prop Value object type 168
Column object type 243
Command Locale object type 172
Command object type 171
Content Object object type 173
Content Object View object type 174
Control Locale object type 81
Control object type 75
Control User Prop object type 82
Data Source object type 246
DLL object type 175
Dock Object object type 176
Dock Object Related DObj object type 176
Dock Object Table object type 177
Dock Object Visibility Rule object type 179
Drilldown Object Locale object type 84
Drilldown Object object type 83
Dynamic Candidate object type 313
Dynamic Drilldown Destination object type 317
EIM Explicit Primary Mapping object type 181
EIM Interface Table Column object type 183
EIM Interface Table object type 182
EIM Table Mapping object type 185
Entity Attribute object type 189
Entity object type 188
Entity Physical Relation object type 190
Entity Relation object type 191
Entity Relationship Diagram object type 191
External Search Engine object type 192
Field object type 128
Field User Prop object type 137
Find Field Locale object type 195
Find Field object type 194
Find Locale object type 196
Find object type 193
Find Pick View object type 197
Foreign Key Mapping Column object type 187
Foreign Key Mapping object type 186
Help Id object type 198
HTML hierarchy bitmap properties 199
Icon Map object type 200
Icon object type 200
Import Aux Field object type 201
Import Field Column object type 202
Import Field Locale object type 203
Import Field Map object type 203
Import Field object type 202
Import Key Field object type 204
Import Object object type 204
Import Source object type 204
Index Column object type 248
Index object type 247
Integration Component Field object type 207
Integration Component Field User Prop object type 208
Integration Component Key Field object type 210
Integration Component Key object type 209
Integration Component object type 205
Integration Component User Prop object type 210
Integration Object object type 211
Integration Object User Prop object type 211
Interface Table User Key Usage object type 187
Join Constraint object type 139
Join object type 138
Join Specification object type 140
Link object type 213
List Column Locale object type 92
List Column object type 88

List Column User Prop object type 92
List Locale object type 93
List object type 85
Menu Item Locale object type 217
Menu Item object type 217
Menu object type 216
Message Category object type 219
Message Locale object type 219
Message object type 218
Multi Value Field object type 141
Multi Value Link object type (multi-value name link) 144
Page Tab Locale object type 103
Pager Object object type 220
Pick List object type 221
Project object type 223
Repository object type 224
Screen Locale object type 227
Screen Menu Item Locale object type 104
Screen object type 226
Screen View Locale object type 230
Server Component Event Subtype object type 231
Server Component Event Type object type 231
Server Component Parameter object type 232
Server Component State Value object type 233
Server Component Statistic object type 234
Server Component Subsystem object type 235
Server Component Type object type 235
Single Value Field object type 151
Symbolic String object type 237
Table object type 250
Task Branch Criteria object type 257
Task Branch object type 256
Task Chapter Locale object type 259
Task Chapter object type 258
Task Event IO Argument object type 261
Task Event object type 260
Task Group Item object type 271
Task Group Locale object type 272
Task Locale object type 262
Task Metric object type 263
Task object type 255
Task Property object type 264
Task Step Context object type 268
Task Step IO Argument object type 269
Task Step Locale object type 270
Task Step object type 265
Text Style object type 273
Toolbar Item Locale object type 276
Toolbar Item object type 275
Toolbar Locale object type 276
Toolbar object type 274
Tree Node Locale object type 96
Tree Node object type 95
Tree object type 93
Type object type 279
User Key Attribute Join object type 252
User Key Attribute object type 251
User Key Attribute Tree Node object type 252
User Key Column object type 253
User Key object type 251
View Locale object type 284
View object type 281
View Task Group Locale object type 286
View User Prop object type 286
View Web Template Item Locale object type 289
View Web Template Item object type 288
View Web Template object type 287
Web Page Item Locale object type 291
Web Page Item object type 290
Web Page Item Parameter object type 292
Web Page Locale object type 292
Web Page object type 290
Web Template File object type 293
Web Template object type 293
WF Branch Connector object type 327
WF Branch Criteria object type 328
WF Process Metric object type 330
WF Process Prop object type 333
WF Step Branch object type 339
WF Step I/O Argument object type 341
WF Step object type 334
WF Step Recipient object type 342
Workflow Policy Column object type 294
Workflow Policy Component Col object type 319
Workflow Policy Component object type 318
Workflow Policy Object object type 320
Workflow Policy Program Arg object type 322
Workflow Policy Program object type 321
Workflow Process object type 343

Namespace - Language Override property

Applet Web Template Item object type 47
View Web Template Item object type 288
Web Page Item object type 291

Namespace property

Applet Web Template Item Locale object type 48

Applet Web Template Item object type 47
View Web Template Item Locale object type 289
View Web Template Item object type 288, 289, 291
Web Page Item Locale object type 291
Web Page Item object type 291
naming conventions for object type 13
Needs High Interactivity property 16
No Associate property
Link object type 213
Multi Value Link object type 144
No Borders property 281
No Clear property
MVF Pick Map object type 146
Pick Map object type 147
SVF Pick Map object type 153
No Compile property
Attribute object type 277
Type object type 279
No Copy property
Field object type 129
Multi Value Field object type 141
Multi Value Link object type 144
Single Value Field object type 151
No Delete property
Applet object type 35
Business Component object type 120
Link object type 213
Multi Value Link object type 144
Pick List object type 221
No Insert property
Applet object type 35
Business Component object type 120
Link object type 213
Multi Value Link object type 144
Pick List object type 221
No Inter Delete property 213
No Match Value property
Column object type 243
No Merge property
Applet object type 35
Business Component object type 121
Pick List object type 221
No Update property
Applet object type 35
Business Component object type 121
Link object type 213
Multi Value Link object type 144
Pick List object type 221
Node Column Name property 179
Node Language Filter property 177
Node Table Name property 179
Node Type property
Symbolic String object type 250
non-configurable object types 19
Notify property 177
Nullable property
Column object type 243
EIM Interface Table Column object type 183
Number of Unique Columns property 247
Numeric Template property 220

O

Object Id Column property
Dynamic Candidate object type 313
Object Language Locked property 16
Object Locked by Name property 16
Object Locked Date property 16
Object Locked property 16
Object Manager Restriction property 228
Object Type property 164
object types
non-configurable 19
object types and properties
hidden object types and properties, about 13
On Conflict property
Task object type 255
Open Bitmap property 199
Operation property
Task Branch Criteria object type 257
Task Step object type 265
WF Branch Criteria object type 329
WF Step object type 334
Opportunity Id Field property 239
Optional property 160
Optional, Property column value 13
Oracle Sequence Object property
Field object type 129
Single Value Field object type 151
Order By LOV Type property
Assignment Attribute object type 105
Org Column property
Assignment Object object type 304, 310
Org Denorm Column property
Assignment Object object type 304
Org Key Column property
Assignment Object object type 304
Org Manual Column property
Assignment Object object type 304
Org Primary Column List property
Assignment Object object type 305
Org Primary Column property
Assignment Object object type 305
Org Primary Denorm Column property

Assignment Object object type 305
Org Primary Manual Column property
Assignment Object object type 305
Org Reporting Column property
Assignment Object object type 311
Org Reporting Deletion Column property
Assignment Object object type 311
Org Reporting Insertion Column property
Assignment Object object type 311
Org Reporting Key Column property
Assignment Object object type 311
Org Reporting Table property
Assignment Object object type 311
Org System Column property
Assignment Object object type 305
Org Table property
Assignment Object object type 306, 310
Org Team Score Column property
Assignment Object object type 306
Organization Column Name property 179
Organization Column property
Assignment Object object type 310
Organization Primary System Column property
Assignment Object object type 305
Organization Table Name property 179
Organization Table property
Assignment Object object type 310
Outer Join Flag property 138
Output Arg property
WF Step I/O Argument object type 341
Override Ref Column property 186
Owner Branch property
Project object type 223
Owner Delete property 121
Owner Draw property 75
Owner Organization Specifier property
Table object type 250
Owner Type property 116

P

Page Tab Locale object type, about and properties (table) 103
Page Tab object type, about and properties (table) 102
Pager Object object type, about and properties (table) 219
Parent Business Component property 214
Parent Category property
Screen View object type 228
Parent Integration Component property 206
Parent Interface Table Name property 182
Parent Name property 16
Task Branch Criteria object type 257
Task Branch object type 256
Task Chapter object type 259
Task Event IO Argument object type 261
Task Event object type 260
Task Group Locale object type 272
Task Metric object type 263
Task Property object type 264
Task Step IO Argument object type 269
Task Step Locale object type 270
Task Step object type 265
Parent property 16
Parent Table Column 1 Name property 182
Parent Table Column 2 Name property 182
Parent Table Column1 property 250
Parent Table Column2 property 250
Parse Middle Name property 203
Partial property 179
Performance Impact property
Server Component Parameter object type 232
Period property 50
persistence, Business Component object type 124
Phone Field property 220
Physical Data Type property 207
Physical Type Name property 243
Physical Type property
Column object type 243
EIM Interface Table Column object type 183
Pick Applet property
Assignment Criteria Attribute object type 110
Business Service Method Arg object type 160
Content Object object type 173
Control object type 76
List Column object type 88
Pick Field property
Assignment Attribute object type 105
Business Service Method Arg object type 160
Pick List Domain property
Entity Attribute object type 189
Pick List Field property
MVF Pick Map object type 146
Pick Map object type 147
SVF Pick Map object type 153
Pick List object type
about and properties (table) 221
Pick List property
Assignment Attribute object type 105

Content Object object type 173
Server Component Parameter object type 232
Pick List Required property
Entity Attribute object type 189
Pick Map Pick object type
about and properties (table) 147
multi-value field, about constraining picklist on 147
Pick Map UpdOnlyIfNull object type
about and properties (table) 148
NULL constraining value, about ignoring 149
Picklist Function Captions property
Chart Locale object type 66
Chart object type 50
Picklist Functions property 51
Picklist Period Captions property
Chart Locale object type 66
Chart object type 51
Picklist Periods property 51
PickList property
Field object type 129
Multi Value Field object type 142
Single Value Field object type 151
Workflow Policy Column object type 294
Picklist property
Business Service Method Arg object type 160
Workflow Policy Program Arg object type 322
Picklist Type Captions property
Chart Locale object type 66
Chart object type 51
Picklist Types property 52
PIN Field property 220
Placeholder property 121
Plot property 65
Popup Dimension property 36
Popup Edit property
List Column object type 88
Popup Indicator Bitmap property 274
Popup Update Only property 144
Popup Visibility Auto All property 121
Popup Visibility Type property 122
Position - Language Override property 275
Position Column Name property 179
Position Column property
Assignment Object object type 306
Position Denorm Column property
Assignment Object object type 306, 310
Position Key Column property
Assignment Object object type 306
Position Manual Column property
Assignment Object object type 306, 310
Position Primary Column List property
Assignment Object object type 306, 310
Position Primary Column property
Assignment Object object type 306, 307
Position Primary Denorm Column property
Assignment Object object type 307
Position Primary Manual Column property
Assignment Object object type 307
Position Primary System Column property
Assignment Object object type 307
Position property
Applet Method Menu Item object type 41
Application Method Menu Item object type 101
Class Method Menu Item object type 166
Menu Item object type 217
Toolbar Item Locale object type 276
Toolbar Item object type 275
Tree Node object type 95
View Web Template Item object type 288
Position Reporting Column property
Assignment Object object type 311
Position Reporting Deletion Column property
Assignment Object object type 311
Position Reporting Insertion Column property
Assignment Object object type 312
Position Reporting Key Column property
Assignment Object object type 312
Position Reporting Table property
Assignment Object object type 312
Position System Column property
Assignment Object object type 307, 310
Position Table Name property 179
Position Table property
Assignment Object object type 307
Position Team Copy Columns property
Assignment Object object type 310
Position Team Denorm Column property
Assignment Object object type 310
Position Team Manual Column property
Assignment Object object type 310
Position Team Score Column property
Assignment Object object type 307
Position Team System Column property
Assignment Object object type 310
Post Default Value property
Field object type 129
Single Value Field object type 151, 152
Pre Default Value property
Field object type 130
Single Value Field object type 152

Precision property
Column object type 243
EIM Interface Table Column object type 183
Field object type 130
Integration Component Field object type 207
Single Value Field object type 152
Predefined property 113
Preferred Sequence property 160
Task Branch Criteria object type 258
Task Event IO Argument object type 261
Task Step IO Argument object type 269
WF Step I/O Argument object type 341
PreFetch Size property 122
PreInvokeMethod event handler 41
Preview property
Find object type 193
Previous Tree Node Name property 253
Primary Business Component property 155
Primary Child Col property
Column object type 243
EIM Interface Table Column object type 184
Primary Child Column Name property
Column object type 243
EIM Interface Table Column object type 184
Primary Child Join Column Name property 243
Primary Child Table Name property
Column object type 243
EIM Interface Table Column object type 184
Primary Id Field property
Link object type 214
Multi Value Link object type 144
Primary Inter Table Name property
Column object type 243
EIM Interface Table Column object type 184
Primary Inter Table property 243
Primary Join Column Name property
Column object type 244
EIM Interface Table Column object type 184
Primary Key property
Column object type 244
EIM Interface Table Column object type 184
Primary property 318
Primary Table Name property 176
Primary Table property
Assignment Object object type 307
Private Field property 116
Procedure property
Applet Browser Script object type 38
Application Browser Script object type 98
BusComp Browser Script object type 115
Business Service Browser Script object type 158
Process Name property
Workflow Process object type 343
Process Property Name property
WF Step Recipient object type 342
Processing Mode property
WF Step object type 335
Program Language property
Applet Script object type 42
Project object type
about and properties (table) 223
object definitions and projects, about 223
Project property 16
Prompt property 76
Prompt Text property
Control Locale object type 81
Control object type 76
List Column Locale object type 92
List Column object type 88
properties
Run External Program Argument 326
Property Name property
Task Branch Criteria object type 258
Task Event IO Argument object type 261
Task Metric object type 263
Task Step IO Argument object type 269
WF Branch Criteria object type 329
WF Process Metric object type 330
WF Step I/O Argument object type 341

Q

query by example (QBE), different behaviors and the Find dialog box 195
Query List Business Component property 155

R

Read Only property
Control object type 76
Field object type 131
List Column object type 89
Multi Value Field object type 142
Single Value Link object type 152
Recipient Id Field property 122
Recipient Name property
WF Step Recipient object type 342

Recipient Type Code property
WF Step Recipient object type 342
Recursive Link property 95
Recursive property 95
Redo property 16
Rel DObj Visibility Strength property 176
Related Dock Object Name property 176
Repeatable property
Task Step object type 266
Replace Team Members property
Assignment Object object type 296, 309
Repository Name property 16
Repository object type, about and properties (table) 224
Required Context BC property
Task Group object type 271
Required property
Column object type 244
EIM Interface Table Column object type 184
Field object type 131
Integration Component Field object type 207
Multi Value Field object type 142
Single Value Field object type 152
Workflow Policy Program Arg object type 322
Required, Property column value 13
Requires Component Reconfig property 232
Requires Server Reconfig property 232
Retain Applet Search Spec property
Task Step object type 266
Retain Task Search Spec property
Task Step object type 266
Retain User Search Spec property
Task Step object type 266
Reverse Fill Threshold property 122
Root Search Spec property 95
Row Span - Language Override property
Applet Web Template Item object type 47
Row Span property
Applet Web Template Item Locale object type 48
Applet Web Template Item object type 47
Rule Column property
Assignment Object object type 309
Rule Primary Column property
Assignment Object object type 309
Rule Primary Denorm Column property
Assignment Object object type 309
Rule Primary Manual Column property
Assignment Object object type 309
Rule Primary System Column property
Assignment Object object type 309
Rule Table property
Assignment Object object type 309
Rule Team Copy Columns property
Assignment Object object type 309
Rule Team Denorm Column property
Assignment Object object type 309
Rule Team Manual Column property
Assignment Object object type 309
Rule Team System Column property
Assignment Object object type 309
Run External
Program Argument properties, table of 326
Runtime property
Control object type 76
List Column object type 89

S

Scale property
Column object type 244
EIM Interface Table Column object type 184
Field object type 131
Integration Component Field object type 207
Single Value Field object type 152
Schema Maintenance Step From object type 225
Schema Maintenance Step To object type 225
Score Column property
Dynamic Candidate object type 313
Screen Locale object type, about and properties (table) 227
Screen Menu Item object type, about and properties (table) 103
Screen object type, about and properties (table) 225
Screen property
Page Tab object type 103
Screen Menu Item object type 104
Screen View Locale object type, about and properties (table) 229
Screen View object type
about and properties (table) 227
category menu text and category viewbar text, examples 229
Script Editor, about using Siebel VB and Siebel eScript 43
Script property
Applet Browser Script object type 38
Applet Script object type 42

Application Browser Script object type 98
BusComp Browser Script object type 115
Business Service Browser Script object type 158
Scripted property
Applet object type 36
Application object type 98
Business Component object type 122
Search Specification property
Applet object type 36
Business Component object type 123
Link object type 214
Pick List object type 222
Task Step Context object type 268
Sector0 Applet property 281
Sector1 Applet property 281
Sector2 Applet property 281
Sector3 Applet property 281
Sector4 Applet property 281
Sector5 Applet property 281
Sector6 Applet property 281
Sector7 Applet property 281
Secure property 281
Selected Bitmap Index Field property 95
Selected Bitmap Index property 95
Selection Based property 52
Self Ref Mapping Column Name property 187
Self Reference Join property 187
Separator Character property 203
Sequence - Language Override property
Control object type 76
Find Field object type 194
List Column object type 89
Sequence Object property
Column object type 244
EIM Interface Table Column object type 184
Sequence property
Applet Script object type 42
Applet Toggle object type 44
Applet Web Template object type 45
Application Event Services object type 99
Application Find object type 100
Application Toolbar object type 102
Assignment Attribute Column object type 107
Column object type 244
Content Object object type 173
Content Object View object type 174
Control Locale object type 81
Control object type 76
Dock Object Related DObj object type 176
Dock Object Visibility Rule object type 179
Drilldown Object object type 83
Dynamic Drilldown Destination object type 317
Find Field Locale object type 195
Find Field object type 194, 195
Find View object type 197
Index Column object type 248
Integration Component Key Field object type 210
List Column Locale object type 92
List Column object type 89
Page Tab object type 103
Pick Map object type 147
Screen Menu Item object type 104
Screen View object type 228
Task Chapter object type 259
Task Group Item object type 271
View Task Group Locale object type 286
View Task Group object type 285
WF Branch Criteria object type 329
WF Step I/O Argument object type 341
Series Captions property
Chart Locale object type 66
Chart object type 52
Series Field property
Chart object type 52
Server Component Event Subtype object type, about and properties (table) 230, 231
Server Component Event Type object type, about and properties (table) 231
Server Component Parameter object type, about and properties (table) 231
Server Component State Value object type, about and properties (table) 233
Server Component Statistic object type, about and properties (table) 234
Server Component Subsystem object type, about and properties (table) 234
Server Component Type object type, about and properties (table) 235
Server Enabled property 11, 157
Server Settable property 232
Service Name property 99
Service Request Id Field property 239
Set Primary Employee property
Assignment Object object type 307
Set Primary Group property
Assignment Object object type 308, 310
Set Primary Org property
Assignment Object object type 308
Set Primary Position property
Assignment Object object type 308
Set Primary Rule property

Assignment Object object type 310
SetProperty function 162
Show Category Legend property 60
Show In List - Language Override property
List Column object type 89
Show In List property
List Column Locale object type 92
List Column object type 89
Show Popup property
Command object type 171
Control object type 77
Web Page Item object type 291
Siebel Enterprise Integration Manager (EIM). See *individual EIM entries*
Single Value Field object type, about and properties (table) 149
Skill Item Table property
Assignment Object object type 308
Skill Table property
Assignment Object object type 308
Sort Order property 248
Sort property 77
Sort Spec property 214
Sort Specification property
Business Component object type 123
Chart Element object type 60
External Search Engine object type 192
Pick List object type 222
Sort Web Page property 98
Source Column Name property
Dock Object Table object type 178
Dock Object Visibility Rule object type 179
Workflow Policy Component object type 318
Source Field property
Content Object object type 173
Drilldown Object object type 83
Join Specification object type 140
Link object type 214
Multi Value Link object type 145
Workflow Policy Column object type 294
Workflow Policy Program Arg object type 322
Source Id Field property 239
Source Interface Table Name property 251
Source Table Name property
Dock Object Visibility Rule object type 179
Workflow Policy Component object type 318
Space Bitmap property 199
SQL Statement property
Dock Object Related DObj object type 176
Dock Object Visibility Rule object type 179
Static property 222
Status Field property 123
Status property 250
Column object type 244
Entity Relationship Diagram object type 191
Task object type 255
Workflow Process object type 344
Status Text property
Command Locale object type 172
Command object type 171
Screen View Locale object type 230
Screen View object type 228
View Locale object type 284
Storage Type property 160
Store Column property
Assignment Criteria Attribute object type 110
String Map object type 236
String object type 236
String Override property 16
String Reference property 17
String Value property
Symbolic String Locale object type 238
Sub Node Table Name property 253
Subevent property
WF Step Branch object type 340
Subprocess Name property
WF Step object type 335
Subsystem property
Business Service Subsystem object type 162
Server Component Subsystem object type 235
SubTask Name property
Task Step object type 266
Super Class property 164
Suppress Menu Item property
Applet Method Menu Item object type 41
Class Method Menu Item object type 166
SVF Pick Map object type
about and properties (table) 153
SVF Pick Map UpdOnlyIfNull object type, about and properties (table) 154
Symbolic String Locale object type, about and properties (table) 238
Symbolic String Name property
Symbolic String Locale object type 238
Symbolic String object type, about and properties (table) 236
Synonym Field property 123
System Activity Objects object type, about and properties (table) 238
System Field Mapping property

Column object type 244
System, Property column value 13

T

Tab Stop property 77
Table Name property
Dock Object Table object type 178
Type object type 279
Workflow Policy Column object type 294
Table object type, about and properties (table) 248
Table property
Business Component object type 123
Join object type 138
Target Column Name property
Dock Object Table object type 178
Dock Object Visibility Rule object type 179
Workflow Policy Component object type 319
Target Component Name property 319
Target Kay Name property 209
Target property 172
Target Table Name property
Dock Object Table object type 178
Dock Object Visibility Rule object type 180
EIM Interface Table object type 182
Target View Frame property
Control object type 77
Toolbar Item object type 275
Web Page Item object type 291
Task Branch Criteria object type, about and properties (table) 257
Task Branch Criteria Value object type, about and properties (table) 258
Task Branch object type, about and properties (table) 256
Task Chapter Locale object type, about and properties (table) 259
Task Chapter object type, about and properties (table) 258
Task Event IO Argument object type, about and properties (table) 260
Task Event object type, about and properties (table) 259
Task Group Item object type, about and properties (table) 271
Task Group Locale object type, about and properties (table) 272
Task Group object type, about and properties (table) 271
Task Group property
View Task Group object type 286
Task Locale object type, about and properties (table) 262
Task Metric object type, about and properties (table) 262
Task Name property
Task object type 255
Task object type, about and properties (table) 254
Task property
Task Group Item object type 272
View object type 281
Task Property object type, about and properties (table) 263
Task Settable property 232
Task Step Context object type, about and properties (table) 267
Task Step IO Argument object type, about and properties (table) 269
Task Step Locale object type, about and properties (table) 270
Task Step object type, about and properties (table) 265
Task View property
Task Step object type 267
Team Attribute Column property
Dynamic Candidate Attribute object type 314
Team property
Assignment Criteria object type 109
Assignment Object object type 308
Team Table Attribute Id Column property
Dynamic Candidate object type 313
Team Table Candidate Id Column property
Dynamic Candidate object type 313
Team Table property
Dynamic Candidate object type 313
Team Type property
Dynamic Candidate object type 313
Tee Bitmap property 199
Text Alignment - Language Override property
Control object type 78
List Column object type 89
Text Alignment property
Control Locale object type 81
Control object type 77
List Column Locale object type 92
List Column object type 89
Text Alignment-Label - Language Override property
Control object type 78
List Column object type 90
Text Length property
Column object type 244
EIM Interface Table Column object

type 184
Field object type 131
Server Component Parameter object type 233
Server Component State Value object type 233
Single Value Field object type 152
Text Message - String Override property
Applet Message object type 39
Text Message property
Applet Message Locale object type 39
Applet Message object type 39
Text property
Chart Element Locale object type 65
Chart Element object type 60
Message Locale object type 219
Message object type 218
Page Tab Locale object type 103
Page Tab object type 103
Screen Menu Item Locale object type 104
Screen Menu Item object type 104
Text Style object type, about and properties (table) 273
Text Style property
Applet object type 36
Application object type 98
Control object type 78
View object type 282
Text-Alignment Label property
Control Locale object type 81
Control object type 78
List Column Locale object type 92
List Column object type 89
Thin Client property 164
Thread Applet property 282
Thread Field property 282
Thread Title property
View Locale object type 285
View object type 282
Title property
Applet Locale object type 38
Applet object type 36
Chart Element object type 65
Find Field object type 194
View Locale object type 285
View object type 282
Web Page Locale object type 292
Web Page object type 290
To Step Name property
WF Branch Connector object type 327
Toolbar Item Locale object type, about and properties (table) 276
Toolbar Item object type
about and properties (table) 274
Toolbar Locale object type, about and properties (table) 276
Toolbar object type, about and properties (table) 274
Toolbar property 102
Tooltip Text property
Command Locale object type 172
Command object type 172
Control Locale object type 81
Control object type 78
Top - Language Override property 78
Top property
Control Locale object type 81
Control object type 78
Total Currency Code Expression property 90
Total Displayed property 85
Total Required property
List Column object type 90
List object type 85
Transactional property
Task object type 255
Transient BC property
Task object type 256
Translatable property 278
Translate Pick Field property
Assignment Attribute object type 106
Translate property 17
Translation Table Name property
Column object type 244
EIM Interface Table Column object type 184
Transparent Color property 112
Tree Node Locale object type, about and properties (table) 96
Tree Node object type, about and properties (table) 94
Tree object type, about and properties (table) 93
Txn Log Code property 244
Type Field property
Multi Value Link object type 145
Pick List object type 222
Type object type, about and properties (table) 278
Type property
Applet object type 36
Applet Web Template Item object type 47
Applet Web Template object type 45
Business Service Method Arg object type 160
Chart Element object type 61
Chart object type 53
Class User Prop object type 167

Column object type 244
Control object type 78
Dock Object Visibility Rule object type 180
EIM Interface Table Column object type 184
EIM Interface Table object type 182
Field object type 133
Field object type (field's data type) 131
Help Id object type 198
Index object type 247
List Column object type 90
Screen View object type 229
Single Value Field object type 153
Symbolic String object type 237
Table object type 250
Task Branch object type 256
Task Event IO Argument object type 262
Task Group Item object type 272
Task Step Context object type 268
Task Step IO Argument object type 270
Task Step object type 267
Toolbar Item object type 275
Web Page Item object type 291
Web Template object type 293
WF Step Branch object type 340
WF Step I/O Argument object type 341
WF Step object type 335
Workflow Policy Program object type 321

Type Value property
Multi Value Link object type 145
Pick List object type 222

U

Underlined property 273
undocumented user properties, changing
Assignment User Prop object type 277
Unique property 247
UNIX Support property 164
Unrestricted Viewbar property 226
Upgrade Ancestor property 17
Upgrade Behavior property 17
Use Category MVGroup Data property 53
Use Expertise property
Assignment Criteria object type 109
Use FKey property
Column object type 245
EIM Interface Table Column object type 184
Use Key Sequence property 184
Use Primary Join property 145
Use Range property
Assignment Attribute object type 106
User Event Name property
WF Step Branch object type 340
User Event Storage property
WF Step Branch object type 340
User Event Timeout (Days) property
WF Step Branch object type 340
User Interact View property
WF Step object type 335
User Kay Name property 186
User Key Attribute Join object type, about and properties (table) 252
User Key Attribute Name property
Foreign Key Mapping Column object type 187
User Key Attribute Tree Node object type 253
User Key Attribute object type, about and properties (table) 251
User Key Attribute Tree Node object type, about and properties (table) 252
User Key Column object type, about and properties (table) 253
User Key Flag property
Entity Attribute object type 189
User Key Name property 187
User Key object type, about and properties (table) 251
User Key Sequence property 245
User Key Type property 251
User Layout property 287
User Name property
Column object type 245
Dock Object object type 176
EIM Interface Table Column object type 184
EIM Interface Table object type 182
Index object type 248
Table object type 250
User Primary Key property 248
User Visible property 208

V

Valid Condition property
Column object type 245
EIM Interface Table Column object type 184
Validation Message property
Field Locale object type 137
Validation property
Field object type 132
Single Value Field object type 153
Value property
Applet Message Variable object type 40
Applet User Prop object type 44

Assignment User Prop object type 313
Business Component User Prop object type 125
Business Service Method Arg User Prop object type 161
Business Service User Prop object type 163
Control User Prop object type 82
Dynamic Drilldown Destination object type 317
Field User Prop object type 137
Help Id object type 198
Integration Component Field User Prop object type 208
Integration Component User Prop object type 210
Integration Object User Prop object type 211
Join Constraint object type 139
List Column User Prop object type 92
Task Event IO Argument object type 262
Task Step IO Argument object type 270
View User Prop object type 286
Web Page Item Parameter object type 292

Value Type Code property
WF Step Recipient object type 342

Value Type property
Class User Prop object type 167

Value/Search Specification property
WF Step I/O Argument object type 341

Variable Row Height property 85

Version property
Task object type 256
Workflow Process object type 344

Vertical Line Position property 282

Vertical property 61

Vertical Scroll property 79

View Locale, about and properties (table) 284

View Name property
Content Object View object type 174
Find Pick View object type 197

View object type
about and properties (table) 279

View property
Drilldown Object object type 84
Find View object type 197
Screen View object type 229

View Task Group Locale object type, about and properties (table) 286

View Task Group object type, about and properties (table) 285

View User Prop object type, about and properties (table) 286

View Web Template Item Locale object type, about and properties (table) 289

View Web Template Item object type, about and properties (table) 287

View Web Template object type, about and properties (table) 286

Viewbar Text property
Screen Locale object type 227
Screen object type 226
Screen View Locale object type 230
Screen View object type 229

Virtual Field property
WF Process Prop object type 333

Visibility Applet property
View object type 283

Visibility Applet Type property 283

Visibility Auto All property
Link object type 214, 215
Pick List object type 222

Visibility Event Columns property
Dock Object Related DObj object type 177
Dock Object Visibility Rule object type 180

Visibility Event property 178

Visibility Field property 116

Visibility Level property 176

Visibility MVField property 116

Visibility MVLink property 116

Visibility property
Server Component Parameter object type 233
Server Component State Value object type 233
Server Component Statistic object type 234

Visibility Rule Applied property 215

Visibility Strength property
Dock Object Related DObj object type 177
Dock Object Table object type 178
Dock Object Visibility Rule object type 180

Visibility Type property
Drilldown Object object type 84
Link object type 215
Pick List object type 222

Visible - Language Override property
Control object type 79

Visible property
Control Locale object type 81
Control object type 79
Workflow Policy Program Arg object type 322

Volatile property
Table object type 250

W

Want Return property 79
Web Page Item Locale object type, about and properties (table) 291
Web Page Item object type, about and properties (table) 290
Web Page Item Parameter object type, about and properties (table) 292
Web Page Locale object type, about and properties (table) 292
Web Page object type, about and properties (table) 289
Web Template File object type, about and properties (table) 293
Web Template object type, about and properties (table) 293
Web Template property
Applet Web Template object type 45
View Web Template object type 287
Web Page object type 290
WF Branch Connector object type, about and properties (table) 327
WF Branch Criteria object type, about and properties (table) 328
WF Branch Criteria Value object type, about and properties (table) 330
WF Process Metric object type, about and properties (table) 330
WF Process Prop object type, about and properties (table) 330
WF Step Branch object type, about and properties (table) 339
WF Step I/O Argument object type, about and properties (table) 341
WF Step object type, about and properties (table) 333
WF Step Recipient object type, about and properties (table) 342
Width - Language Override property
Control object type 79
List Column object type 90
Toolbar Item object type 275
Width property
Applet object type 37
Bitmap object type 112
Control Locale object type 81
Control object type 79
List Column Locale object type 92
List Column object type 90
Toolbar Item Locale object type 276
Toolbar Item object type 275
Workflow Column Name property 319
Workflow Component Column property
Assignment Attribute Column object type 107
Workflow Component property 107
Workflow Mode property
Workflow Process object type 344
Workflow Object Name property 319
Workflow Object property
Assignment Attribute Column object type 107
Workflow Policy Program object type 321
Workflow Policy Column object type
about and properties (table) 294
Workflow Policy Component Col object type, about and properties (table) 319
Workflow Policy Component object type, about and properties (table) 318
Workflow Policy Components
list, function of 318
Workflow Policy Object object type, about and properties (table) 319
Workflow Policy Program Arg object type, about and properties (table) 322
Workflow Policy Program object type
about and properties (table) 320
variables in messages, about and example 322
Workflow Process object type, about and properties (table) 342
Workflow Process property
Task Event object type 260
Write DB cache property 176

X

XA Attribute Value BusComp property 124
XA Class Id Field property 124
XML Container Element property 206
XML Literal Value property 208
XML Parent Element property 208
XML Sequence property
Integration Component Field object type 208
Integration Component object type 206
XML Style property 208
XML Tag property
Integration Component Field object type 208
Integration Component object type 206
Integration Object object type 211