



Documentation Update for *Siebel Connector for SAP R/3*

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This Documentation Update applies to the following version of *Siebel Connector for SAP R/3*.

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Software Version:

Siebel 7 [Version 7.0.2](#)

Siebel 7 [Version 7.0.3](#)

Version 7.0.3

Appendix D, SAP Field Mappings

July 24, 2003

Change to Location of Sales Order Field Mappings

Pages D-13 through D-73

The Sales Order Field Mappings from Appendix D are located on the Bookshelf for Siebel 7 eBusiness Applications.

To locate the Sales Order Field Mappings Tables

- 1** From the Siebel Bookshelf, in the Documentation by Product Line section, click eBusiness Applications.
- 2** Click the Integration category.
- 3** Navigate to the Connector for SAP R/3 Guide in the Integration category.
The Mappings hyperlink is located next to this guide.
- 4** To access the Sales Order Field Mappings tables, click Mappings.

Version 7.0.2

General Information

March 20, 2002

Revised Tools Guide Name

Throughout the book, all references to *Tools Guide* should instead read *Siebel Tools Reference*.

Integration Objects Documentation

Documentation on Integration Objects is located in *Siebel eBusiness Application Integration Volume II*, not in *Volume I*.

Chapter 2, Installation and Configuration

Siebel Mobile Web Client Changes

March 20, 2002

The term “Siebel Client” has been mistakenly used in some places within the guide rather than the term “Siebel Mobile Web Client.”

The following references should refer to Siebel Mobile Web Client instead of Siebel Client:

Page 2-4

The `seaw/bin` folder is used when SAP business services execute from the Siebel Mobile Web Client.

In a test environment, you also need to set this environment variable on any machine on which you are executing the Workflow Simulator or EAI Business Service Simulator in the Siebel Mobile Web Client.

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Siebel configuration files are used by the Siebel Tools and Siebel Mobile Web Client applications.

Installing Siebel Connector for SAP R/3 on Windows for a UNIX-based Siebel Enterprise

March 20, 2002

Page 2-45

Add the following information to the end of Chapter 2:

If your enterprise installation uses a mix of UNIX-based and Windows-based servers, you can implement Siebel Connector for SAP R/3 and share the connection within the enterprise. The Siebel Connector for SAP R/3 must be installed and implemented on a Windows-based server.

Prerequisite

Install Samba on the AIX or Solaris server. This makes the AIX and Solaris files accessible to the Windows servers.

Installation

Use the following high-level steps to integrate the mixed environment.

To install Siebel Connector for SAP R/3 for mixed operating system enterprises

- 1** Install the Gateway Server and Siebel Server on a UNIX server.
- 2** When prompted to specify a file system, use a path name on the UNIX server.
- 3** Complete all UNIX server installations before installing on any Windows-based servers.
- 4** During Siebel Server installation on a Windows server, do the following:
 - a** When prompted for “Co-located Siebel Gateway Name Server,” clear the check box for “Yes.”
 - b** Set “Gateway Name Server Hostname” to the name of the Gateway server name and the Gateway port name, using a colon (:) as a separator. Example: GatewayServer1:GatewayPort
 - c** Set “Enterprise for this server” to the name of the enterprise.
 - d** Enable the SAP connector and EAI Components component groups.
 - e** Test the database connection.
 - f** Disable the following server components on AIX and Solaris.
 - Business Integration Manager
 - Business Integration Batch Manager

- SAP BAPI tRFC Receiver
 - SAP IDOC AMI Receiver for MQ Series
 - SAP IDOC Receiver
- 5 If you use mobile clients, then modify the `cfg` files so they direct the request server to a Windows-based Siebel server.
 - 6 In the Siebel application, navigate to Server Administration > Enterprise Configuration > Batch Component Admin, and then click Synchronize.
 - 7 Restart all Siebel servers.

Changes to Checking Siebel Client Connectivity

December 13, 2001

Page 2-30

The information on checking Siebel client connectivity works properly for the Siebel Mobile Web Client, but is not appropriate for the web-based clients. The following information replaces the section in the book and works for all clients:

You can check your SAP connection information by executing the workflow TestSAPConnection. This workflow contains a single call to the BAPI Adapter business service method MakeConnection. The flow can be executed through the Workflow Simulator. If no errors occur during its execution, the connection to SAP has been successful. If you receive errors, you may need to correct entries in the `saprfc.ini` file or the values of `SAPRfcConnectString`, `SAPRfcUserName`, or `SAPRfcPassword`.

To check client connectivity

- 1 Navigate to Siebel Workflow Administration.
- 2 Click Workflow Processes.
- 3 Query for the workflow “TestSAPConnection.”
- 4 Click Revise.
- 5 Click the Process Designer tab.
- 6 Double-click the Create Test Connection business service box in the diagram.

- 7 Add three new Input Arguments, one for each of the parameters SAPRfcConnectString, SAPRfcUserName, and SAPRfcPassword. Set their Type to Literal. In the Value field enter their values as they would have been configured in the Siebel Configuration file or as set for the BusIntMgr component.

NOTE: In the Standard Integration workflows these parameters are set on the BusIntMgr server component, not within the workflow itself. They need to be set within the workflow here because we are running within the workflow simulator. If you are using the Siebel Mobile Web Client the values can also be set in the Siebel Configuration file for the client.

- 8 Click Return To Designer.
- 9 Click the Process Simulator tab.
- 10 Click Start.
- 11 Click Continue.
- 12 If no errors are displayed, the connection information is correct.

For more information on troubleshooting connection problems, read Appendix E, “Troubleshooting.”

Chapter 3, Standard Integration

March 20, 2002

Remote Client Sales Order Synchronization

Page 3-16

Add the following information to the end of Chapter 3:

The following provides some detail and insight into the process used when using a remote client to submit a sales order to SAP and synchronize it with the server.

- 1 Import an account and product from SAP R/3.
- 2 Assign your remote user to the account team for the account.
- 3 Assign a category to the catalog for the imported product.
- 4 Synchronize the mobile client.

5 Create a sales order using the account and product.

6 Submit the order.

7 Synchronize the mobile client.

The Busintmgr on the server submits the order and SAP returns the order number.

8 Synchronize the mobile client.

The SAP order number is now visible on the mobile client.

Chapter 4, Customizing Integrations

March 20, 2002

Siebel Mobile Web Client Changes

The term “Siebel Client” has been mistakenly used in some places within the guide rather than the term “Siebel Mobile Web Client.”

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The note should now read:

NOTE: The tRFC BAPI receiver is executing here within the Siebel Client. When the receiver executes in this way, all component parameters that are normally set on the BAPIRcvr component in the server must be set in the Siebel Client's configuration file, if working with the Siebel Mobile Web Client, or set as input arguments on the input property set in the Business Service Simulator.

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The last bullet should now read:

- If you are making a BAPI or RFC call from your workflow into SAP and you would like to follow your data from Siebel to the ABAP debugger, set ABAP_DEBUG = 1 in your TYPE = A Destination definition in the saprfc.ini file. When the BAPI adapter service is executed in your workflow, the SAP Client appears and displays the ABAP debugger at the start of the BAPI or RFC function call. The SAP Client must be installed on the same machine on which you are executing the Siebel Client, if you are using the Siebel Mobile Web Client.

The note should now read:

NOTE: If your workflow contains a call to the BAPI adapter business service, you must remember that you are invoking this business service from the Siebel Client. This requires that connection parameters used for this service that are normally set as component parameters on the Business Integration Manager will need to be set either in the Siebel Client configuration file, if working with the Siebel Mobile Web Client, or as input arguments to the BAPI adapter business service in your workflow.

Chapter 5, BAPI Interfaces

December 13, 2001

Additional Information for BAPI Return Error Processing

This update includes additional information on BAPI Return Error Processing.

Additional Rows for Table 5-1

Page 5-7

Table 5-1 should have the following additional rows:

Name	User Prop	Comp Param	Method Arg	Valid Values	Usage
SAPAutoError	X		X	“True” or “False”	The default is “True”. When the value of this flag is True, and the value of the SAPErrorTypeField is E or A, the BAPI adapter raises an error, causing workflow to terminate at the BAPI adapter. When the value of this flag is False, the BAPI adapter logs error information but does not raise an error and terminate the workflow. The remaining steps in the workflow are responsible for handling the error.
SAPErrorTypeField	X		X	Siebel field name for an SAP error type field.	The default is “RETURN-TYPE”. SAPErrorField contains the Siebel name of a single character field which returns SAP’s standard error types (E – Error, A – Abort, S – Success, I – Information, W – Warning). The field name may be a scalar export parameter, a field in a structure export parameter or a field in a table.

Additional Text for “BAPI Adapter Configuration”

Page 5-9

The following text belongs at the end of the topic named “BAPI Adapter Configuration”:

SAP BAPIs often use a standard return structure to send error messages back to the calling application. The BAPI Adapter has the capability of handling this error information in a flexible manner. The BAPI Adapter’s flexibility is based on the values of two user properties or method arguments: `SAPAutoError` and `SAPErrorTypeField`. These parameters can be used together to direct the BAPI adapter to either automatically raise errors or let these errors pass on to other portions of workflow for handling. The `SAPAutoError` flag turns on or off the automatic error generation. The `SAPErrorTypeField` specifies the field in the BAPI interface that contains the SAP error type (E, A, I, S, or W). [Table 1-1](#) summarizes the functionality.

Table 1-1. BAPI Adapter Error Handling Summary

<code>SAPAutoError</code>	<code>SAPErrorTypeField</code>	Behavior
True	Siebel name of a scalar export parameter in the BAPI interface.	BAPI Adapter raises an error if the <code>SAPErrorTypeField</code> contains the values E or A. Workflow stops at the BAPI adapter step.
True	Siebel name of a field in a structure export parameter in the BAPI interface.	BAPI Adapter raises an error if the <code>SAPErrorTypeField</code> contains the values of E or A. The values of all non-blank fields in the structure containing the <code>SAPErrorTypeField</code> are written within the error message. Workflow stops at the BAPI adapter step.
True	Siebel name of a field in an internal table in the BAPI interface.	BAPI Adapter raises an error if the <code>SAPErrorTypeField</code> contains the values of E or A in any record of the internal table. The values of all non-blank fields in the table containing the <code>SAPErrorTypeField</code> are written within the error message. One error message is created for each record in the table. Workflow stops at the BAPI adapter step.
False	Siebel name of a scalar export parameter in the BAPI interface.	BAPI Adapter does not raise an error, but the error information appears in the Siebel log. Workflow processing continues, and error handling must be implemented in the steps following the BAPI adapter.

Table 1-1. BAPI Adapter Error Handling Summary

SAPAutoError	SAPErrorTypeField	Behavior
False	Siebel name of a field in a structure export parameter in the BAPI interface.	BAPI Adapter does not raise an error, but the error information appears in the Siebel log and contain the values of all non-blank fields in the export structure. Workflow processing continues, error handling must be implemented in the steps following the BAPI adapter.
False	Siebel name of a field in an internal table in the BAPI interface.	BAPI Adapter does not raise an error, but the error information appears in the Siebel log and contain the values of all non-blank fields in the table. Workflow processing continues, and error handling must be implemented in the steps following the BAPI adapter.

These parameters can be set in the workflow as input method arguments to the BAPI adapter business service call. `SAPAutoError` defaults to True when not set. `SAPErrorTypeField` defaults to RETURN-TYPE when not set.

Chapter 6, IDOC Interfaces

December 13, 2001

Changes for New IDOC Wizard for 4.0

Page 6-7

Disregard the Caution. It is no longer applicable.

There is a note that refers to an SAP version number. The version number should be 4.0. The note now reads as follows:

NOTE: If the SAP version is 4.0 or above and you must use a 3X ALE interface and an extension IDOC type, then enter the DOCTYP name to be used in SAP and then enter this name in the external name field of the integration object. The wizard does not capture this name automatically.

Chapter 7, EAI Queue

March 20, 2002

Siebel Mobile Web Client Changes

Page 7-16

The term “Siebel Client” has been mistakenly used in some places within the guide rather than the term “Siebel Mobile Web Client.”

The following reference should refer to Siebel Mobile Web Client instead of Siebel Client:

This variable is used only when running within the Siebel Mobile Web Client.

Appendix C, SAP R/3 v3.1H Mappings

December 13, 2001

Revised 6.x Mappings

Some of the 6.x mappings provided in Appendix C did not point to the correct information. The table below provides the corrected information:

Table 1-2. Siebel Connector for SAP R/3 v3.1H Object Mappings (1 of 2)

Table Affected	Applet	Field	Business Component
Table C-1	Account List	Account > Name	
		Main Fax Number > Main Fax #	
		Main Phone Number > Main Phone #	
	Account List > Account Entry	Parent Account Name > Parent	
	Account Team Mvg > Account Team		
Table C-2	Account Address Mvg > Account Address List (SCW		

Table 1-2. Siebel Connector for SAP R/3 v3.1H Object Mappings (2 of 2)

Table Affected	Applet	Field	Business Component
Table C-3	Contact List	Never Mail Again > N/A	
		Work Phone > Work Phone #	
Table C-4	Product List	Part Number > Part #	
Table C-5	Order Entry - Order Form (Sales)	Requested Ship Date > Requested Ship	
		Order Number > Order #	
	Order Entry - Order List (Sales) > Order Entry - Order Form (Sales)	Acct Order #	
	Order Entry - Order Terms Form (Sales)	Freight Terms > Shipping Terms	
		Freight Info > Shipping Info	
		Payment Term > Payment Terms	
Table C-8	Order Entry - Back Office Order Form > Order Entry - SAP Order Form	Order Number > Order #	
Table C-9	Order Entry - Back Office Order Form > Order Entry - SAP Order Form	Order Number > Order #	
Table C-10	Order Entry - Order Form (Sales)	Requested Ship Date > Requested Ship	
	Order Entry - SAP Order Form	Delivery Block > Reason for Block	
Table C-11	Order Entry - Line Item List (Sales)	Due Date > Due	
Table C-12	Order Entry - Line Item Actions List (Sales)	Part Movement Number > Part #	
Table C-14	Account - SAP Orders Get List Header > Account - SAP Order List	Order Number > Order #	Account - SAP Orders Get List Header > Account - Get SAP Order List Header

Appendix D, SAP Field Mappings

December 13, 2001

Changes to Sales Order Field Mappings

Pages D-13 through D-73

The information on Sales Order Field mappings contained in Appendix D has been updated. The new mappings are available on SupportWeb in the file named *Mappings for Siebel Connector for SAP R/3*.