

**Oracle® Financial Services**

Implementation Guide

Release 12.2

**Part No. E48859-01**

September 2013

Oracle Financial Services Implementation Guide, Release 12.2

Part No. E48859-01

Copyright © 2006, 2013, Oracle and/or its affiliates. All rights reserved.

Primary Author: Leya William

Contributing Author: Mathew Daniel, Essan Ni Jirman, Hugh Mason, Vijay Tiwary

Contributor: Timothy M. Barnes, Susan Bernstein, Amit Budhiraja, Mike Casey, Lokesh Garg, Gene Goodenough, Geoffrey Potts, Satyen Sangani, Chris Spofford

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 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.

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.

---

# Contents

**Send Us Your Comments**

**Preface**

## **1 Implementing Oracle Financial Services Applications**

<b>Overview</b> .....	1-2
<b>Assigning Responsibilities to Users</b> .....	1-3
<b>Setting Profile Options</b> .....	1-5
Oracle Financial Services Applications Profile Options.....	1-6
<b>Defining Value Sets and Global Value Set Combinations</b> .....	1-10
Working with Value Sets.....	1-11
Working with Global Value Set Combinations.....	1-12
<b>Setting Up Dimensions and Hierarchies</b> .....	1-14
<b>Setting Up and Populating Data Structures</b> .....	1-15
Populating the Interface Tables.....	1-15
Populating the Data Model Using the Data Loaders.....	1-16
Populating the Data Model Manually.....	1-18
Populating the Data Model Using Data Loader Rules.....	1-19
<b>Defining Application Preferences</b> .....	1-19
<b>Setting Up Data Set Groups</b> .....	1-20
Creating Data Set Groups.....	1-21
<b>Enabling Currencies</b> .....	1-22
<b>Configuring iSetup and mapping instances for extracting and loading rules</b> .....	1-22
<b>Administering Data</b> .....	1-23
Setting Up Data Inspector Rules.....	1-23
Creating Data Inspector Rules.....	1-24
Performing Table and Column Registration Tasks.....	1-25

Performing Dimension Administration Tasks.....	1-31
<b>Defining Processing</b> .....	1-33
Setting Up Conditions.....	1-33
Creating Conditions.....	1-33
Creating and Updating Tuning Options.....	1-34
<b>Configuring Reporting</b> .....	1-35
<b>Customizing Home Page</b> .....	1-36
<b>Configuring Workflow</b> .....	1-36
<b>Setting Up Security Folders</b> .....	1-37

## **2 Oracle Transfer Pricing Implementation**

Oracle Transfer Pricing Implementation Overview.....	2-1
Confirming Oracle Transfer Pricing Table Classification Assignments.....	2-2
Confirming Oracle Transfer Pricing Table Column Property Assignments.....	2-2
Defining a Line Item Hierarchy.....	2-3
Loading Data Using Web ADI .....	2-4

## **3 Oracle Profitability Manager Implementation**

Oracle Profitability Manager Implementation Overview.....	3-1
Pre-Implementation Considerations .....	3-2
Specify Input and Output Columns for Mapping.....	3-3
Working with Composite Dimensions (Activity and Cost Object).....	3-6
Set Up Statistics.....	3-8
Working with Statistic Definitions.....	3-8
Working with Column Population Templates.....	3-11

## **A Standard Navigation Paths**

Standard Navigation Paths.....	A-1
--------------------------------	-----

## **Index**

---

# Send Us Your Comments

## **Oracle Financial Services Implementation Guide, Release 12.2**

### **Part No. E48859-01**

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document. Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Send your comments to us using the electronic mail address: [financialservices\\_ww@oracle.com](mailto:financialservices_ww@oracle.com)

Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at [www.oracle.com](http://www.oracle.com).



---

# Preface

## Intended Audience

Welcome to Release 12.2 of the *Oracle Financial Services Implementation Guide*.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- Computer desktop application usage and terminology.

If you have never used Oracle E-Business Suite, we suggest you attend one or more of the Oracle E-Business Suite training classes available through Oracle University.

See Related Information Sources on page viii for more Oracle product information.

## 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.

## Structure

### **1 Implementing Oracle Financial Services Applications**

This chapter describes the implementation steps common to Oracle Financial Services applications.

## **2 Oracle Transfer Pricing Implementation**

This chapter describes the implementation steps specific to the Oracle Transfer Pricing application.

## **3 Oracle Profitability Manager Implementation**

This chapter describes the implementation steps specific to the Oracle Profitability Manager application.

### **A Standard Navigation Paths**

This appendix gives you information to navigate through the pages referred to in this guide.

## **Related Information Sources**

This book is included in the Oracle E-Business Suite Documentation Library, which is supplied in the Release 12.2 Media Pack. If this guide refers you to other Oracle E-Business Suite documentation, use only the latest Release 12.2 versions of those guides.

### **Online Documentation**

All Oracle E-Business Suite documentation is available online (HTML or PDF).

- **Online Help** - Online help patches (HTML) are available on My Oracle Support.
- **PDF Documentation** - See the Oracle E-Business Suite Documentation Library for current PDF documentation for your product with each release.
- **Release Notes** - For information about changes in this release, including new features, known issues, and other details, see the release notes for the relevant product, available on My Oracle Support.
- **Oracle Electronic Technical Reference Manual** - The Oracle Electronic Technical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for each Oracle E-Business Suite product. This information helps you convert data from your existing applications and integrate Oracle E-Business Suite data with non-Oracle applications, and write custom reports for Oracle E-Business Suite products. The Oracle eTRM is available on My Oracle Support.

### **Related Guides**

You should have the following related books on hand. Depending on the requirements of your particular installation, you may also need additional manuals or guides.

#### **Oracle Alert User's Guide:**

This guide explains how to define periodic and event alerts to monitor the status of your Oracle E-Business Suite data.

#### **Oracle Application Framework Developer's Guide:**

This guide contains the coding standards followed by the Oracle E- Business Suite development staff to produce applications built with Oracle Application Framework. This guide is available in PDF format on My Oracle Support and as online documentation in JDeveloper 10g with Oracle Application Extension.

**Oracle Application Framework Personalization Guide:**

This guide covers the design-time and run-time aspects of personalizing applications built with Oracle Application Framework.

**Oracle Fusion Middleware Adapter for Oracle Applications User's Guide (Oracle Application Server Adapter for Oracle Applications User's Guide):**

This guide covers the use of Adapter for Oracle Applications in developing integrations between Oracle E-Business Suite and trading partners.

Please note that the user's guide can be found in the following documentation libraries:

- As part of the Oracle Fusion Middleware and SOA Suite in 11g, *Oracle Fusion Middleware Adapter for Oracle Applications User's Guide* is available in the Oracle Fusion Middleware 11g Documentation Library.
- As part of the Oracle Application Server in 10g, *Oracle Application Server Adapter for Oracle Applications User's Guide* is available in the Oracle Application Server 10g Documentation Library.

**Oracle Diagnostics Framework User's Guide:**

This manual contains information on implementing and administering diagnostics tests for Oracle E-Business Suite using the Oracle Diagnostics Framework.

**Oracle E-Business Suite Concepts:**

This book is intended for all those planning to deploy Oracle E- Business Suite Release 12.2, or contemplating significant changes to a configuration. After describing the Oracle E-Business Suite architecture and technology stack, it focuses on strategic topics, giving a broad outline of the actions needed to achieve a particular goal, plus the installation and configuration choices that may be available.

**Oracle E-Business Suite CRM System Administrator's Guide:**

This manual describes how to implement the CRM Technology Foundation (JTT) and use its System Administrator Console.

**Oracle E-Business Suite Desktop Integration Framework Developer's Guide:**

Oracle E-Business Suite Desktop Integration Framework is a development tool that lets you define custom integrators for use with Oracle Web Applications Desktop Integrator. This guide describes how to define and manage integrators and all associated supporting objects, as well as how to download and upload integrator definitions.

**Oracle E-Business Suite Developer's Guide:**

This guide contains the coding standards followed by the Oracle E- Business Suite

development staff. It describes the Oracle Application Object Library components needed to implement the Oracle E-Business Suite user interface described in the *Oracle E-Business Suite User Interface Standards for Forms-Based Products*. It provides information to help you build your custom Oracle Forms Developer forms so that they integrate with Oracle E-Business Suite. In addition, this guide has information for customizations in features such as concurrent programs, flexfields, messages, and logging.

**Oracle E-Business Suite Flexfields Guide:**

This guide provides flexfields planning, setup, and reference information for the Oracle E-Business Suite implementation team, as well as for users responsible for the ongoing maintenance of Oracle E-Business Suite product data. This guide also provides information on creating custom reports on flexfields data.

**Oracle E-Business Suite Installation Guide: Using Rapid Install:**

This book is intended for use by anyone who is responsible for installing or upgrading Oracle E-Business Suite. It provides instructions for running Rapid Install either to carry out a fresh installation of Oracle E-Business Suite Release 12.2, or as part of an upgrade to Release 12.2.

**Oracle E-Business Suite Integrated SOA Gateway User's Guide:**

This guide describes the high level service enablement process, explaining how users can browse and view the integration interface definitions and services residing in Oracle Integration Repository.

**Oracle E-Business Suite Integrated SOA Gateway Implementation Guide:**

This guide explains how integration repository administrators can manage and administer the Web service activities for integration interfaces including native packaged integration interfaces, composite services (BPEL type), and custom integration interfaces. It also describes how to invoke Web services from Oracle E-Business Suite by employing the Oracle Workflow Business Event System, and how to manage Web service security, configure logs, and monitor SOAP messages.

**Oracle E-Business Suite Integrated SOA Gateway Developer's Guide:**

This guide describes how system integration developers can perform end-to-end service integration activities. These include orchestrating discrete Web services into meaningful end-to-end business processes using business process execution language (BPEL), and deploying BPEL processes at run time.

This guide also explains how to invoke Web services using the Service Invocation Framework. This includes defining Web service invocation metadata, invoking Web services, and testing the Web service invocation.

**Oracle E-Business Suite Maintenance Guide:**

This guide contains information about the strategies, tasks, and troubleshooting activities that can be used to help ensure an Oracle E-Business Suite system keeps running smoothly, together with a comprehensive description of the relevant tools and utilities. It also describes how to patch a system, with recommendations for optimizing

typical patching operations and reducing downtime.

**Oracle E-Business Suite Security Guide:**

This guide contains information on a comprehensive range of security-related topics, including access control, user management, function security, data security, and auditing. It also describes how Oracle E-Business Suite can be integrated into a single sign-on environment.

**Oracle E-Business Suite Setup Guide:**

This guide contains information on system configuration tasks that are carried out either after installation or whenever there is a significant change to the system. The activities described include defining concurrent programs and managers, enabling Oracle Applications Manager features, and setting up printers and online help.

**Oracle E-Business Suite User's Guide:**

This guide explains how to navigate, enter data, query, and run reports using the user interface (UI) of Oracle E-Business Suite. This guide also includes information on setting user profiles, as well as running and reviewing concurrent requests.

**Oracle E-Business Suite User Interface Standards for Forms-Based Products:**

This guide contains the user interface (UI) standards followed by the Oracle E-Business Suite development staff. It describes the UI for the Oracle E-Business Suite products and how to apply this UI to the design of an application built by using Oracle Forms.

**Oracle e-Commerce Gateway User's Guide:**

This guide describes the functionality of Oracle e-Commerce Gateway and the necessary setup steps in order for Oracle E-Business Suite to conduct business with trading partners through Electronic Data Interchange (EDI). It also describes how to run extract programs for outbound transactions, import programs for inbound transactions, and the relevant reports.

**Oracle e-Commerce Gateway Implementation Guide:**

This guide describes implementation details, highlighting additional setup steps needed for trading partners, code conversion, and Oracle E-Business Suite. It also provides architecture guidelines for transaction interface files, troubleshooting information, and a description of how to customize EDI transactions.

**Oracle iSetup Developer's Guide:**

This manual describes how to build, test, and deploy Oracle iSetup Framework interfaces.

**Oracle iSetup User's Guide:**

This guide describes how to use Oracle iSetup to migrate data between different instances of the Oracle E-Business Suite and generate reports. It also includes configuration information, instance mapping, and seeded templates used for data migration.

**Oracle Report Manager User's Guide:**

Oracle Report Manager is an online report distribution system that provides a secure and centralized location to produce and manage point-in-time reports. Oracle Report Manager users can be either report producers or report consumers. Use this guide for information on setting up and using Oracle Report Manager.

### **Oracle Web Applications Desktop Integrator Implementation and Administration Guide:**

Oracle Web Applications Desktop Integrator brings Oracle E-Business Suite functionality to a spreadsheet, where familiar data entry and modeling techniques can be used to complete Oracle E-Business Suite tasks. You can create formatted spreadsheets on your desktop that allow you to download, view, edit, and create Oracle E-Business Suite data, which you can then upload. This guide describes how to implement Oracle Web Applications Desktop Integrator and how to define mappings, layouts, style sheets, and other setup options.

### **Oracle Workflow Administrator's Guide:**

This guide explains how to complete the setup steps necessary for any product that includes workflow-enabled processes. It also describes how to manage workflow processes and business events using Oracle Applications Manager, how to monitor the progress of runtime workflow processes, and how to administer notifications sent to workflow users.

### **Oracle Workflow API Reference:**

This guide describes the APIs provided for developers and administrators to access Oracle Workflow.

### **Oracle Workflow Client Installation Guide**

This guide describes how to install the Oracle Workflow Builder and Oracle XML Gateway Message Designer client components for Oracle E-Business Suite.

### **Oracle Workflow Developer's Guide:**

This guide explains how to define new workflow business processes and customize existing Oracle E-Business Suite-embedded workflow processes. It also describes how to define and customize business events and event subscriptions.

### **Oracle Workflow User's Guide:**

This guide describes how users can view and respond to workflow notifications and monitor the progress of their workflow processes.

### **Oracle XML Gateway User's Guide:**

This guide describes Oracle XML Gateway functionality and each component of the Oracle XML Gateway architecture, including Message Designer, Oracle XML Gateway Setup, Execution Engine, Message Queues, and Oracle Transport Agent. It also explains how to use Collaboration History that records all business transactions and messages exchanged with trading partners.

The integrations with Oracle Workflow Business Event System, and the Business-to-Business transactions are also addressed in this guide.

**Oracle XML Publisher Report Designer's Guide:**

Oracle XML Publisher is a template-based reporting solution that merges XML data with templates in RTF or PDF format to produce a variety of outputs to meet a variety of business needs. Using Microsoft Word or Adobe Acrobat as the design tool, you can create pixel-perfect reports from the Oracle E-Business Suite. Use this guide to design your report layouts.

This guide is available through the Oracle E-Business Suite online help.

**Oracle XML Publisher Administration and Developer's Guide:**

Oracle XML Publisher is a template-based reporting solution that merges XML data with templates in RTF or PDF format to produce a variety of outputs to meet a variety of business needs. Outputs include: PDF, HTML, Excel, RTF, and eText (for EDI and EFT transactions). Oracle XML Publisher can be used to generate reports based on existing Oracle E-Business Suite report data, or you can use Oracle XML Publisher's data extraction engine to build your own queries. Oracle XML Publisher also provides a robust set of APIs to manage delivery of your reports via e-mail, fax, secure FTP, printer, WebDav, and more. This guide describes how to set up and administer Oracle XML Publisher as well as how to use the Application Programming Interface to build custom solutions.

This guide is available through the Oracle E-Business Suite online help.

**Oracle E-Business Suite Upgrade Guide: Release 12.0 and 12.1 to 12.2:**

This guide provides information for DBAs and Applications Specialists who are responsible for upgrading Release 12.0 and 12.1 Oracle E-Business Suite system (techstack and products) to Release 12.2. In addition to information about applying the upgrade driver, it outlines pre-upgrade steps and post-upgrade steps, and provides descriptions of product-specific functional changes and suggestions for verifying the upgrade and reducing downtime.

**Oracle E-Business Suite Multiple Organizations Implementation Guide:**

This guide describes the multiple organizations concepts in Oracle E-Business Suite. It describes in detail on setting up and working effectively with multiple organizations in Oracle E-Business Suite.

**Oracle Financials and Oracle Procurement Functional Upgrade Guide: Release 11i to Release 12:**

This guides provides detailed information about the functional impacts of upgrading Oracle Financials and Oracle Procurement products from Release 11i to Release 12. This guide supplements the *Oracle E-Business Suite Upgrade Guide:Release 12.0 and 12.1 to 12.2*.

**Oracle Financials Concepts Guide:**

This guide describes the fundamental concepts of Oracle Financials. The guide is intended to introduce readers to the concepts used in the applications, and help them compare their real world business, organization, and processes to those used in the applications.

**Oracle Financials Glossary:**

The glossary includes definitions of common terms that are shared by all Oracle Financials products. In some cases, there may be different definitions of the same term for different Financials products. If you are unsure of the meaning of a term you see in an Oracle Financials guide, please refer to the glossary for clarification. You can find the glossary in the online help or in the *Oracle Financials Implementation Guide*.

**Oracle Financials Implementation Guide:**

This guide provides information on how to implement the Oracle Financials E-Business Suite. It guides you through setting up your organizations, including legal entities, and their accounting, using the Accounting Setup Manager. It covers intercompany accounting and sequencing of accounting entries, and it provides examples.

**Oracle Advanced Global Intercompany System User's Guide:**

This guide describes the self service application pages available for Intercompany users. It includes information on setting up intercompany, entering intercompany transactions, importing transactions from external sources and generating reports.

**Oracle Advanced Collections User Guide:**

This guide describes how to use the features of Oracle Advanced Collections to manage your collections activities. It describes how collections agents and managers can use Oracle Advanced Collections to identify delinquent customers, review payment history and aging data, process payments, use strategies and dunning plans to automate the collections process, manage work assignments, and handle later-stage delinquencies.

**Oracle Advanced Collections Implementation Guide:**

This guide describes how to configure Oracle Advanced Collections and its integrated products. It contains the steps required to set up and verify your implementation of Oracle Advanced Collections.

**Oracle Assets User Guide:**

This guide provides you with information on how to implement and use Oracle Assets. Use this guide to understand the implementation steps required for application use, including defining depreciation books, depreciation method, and asset categories. It also contains information on setting up assets in the system, maintaining assets, retiring and reinstating assets, depreciation, group depreciation, accounting and tax accounting, budgeting, online inquiries, impairment processing, and Oracle Assets reporting. The guide explains using Oracle Assets with Multiple Reporting Currencies (MRC). This guide also includes a comprehensive list of profile options that you can set to customize application behavior.

**Oracle Bill Presentment Architecture User's Guide:**

This guide provides you information on using Oracle Bill Presentment Architecture. Consult this guide to create and customize billing templates, assign a template to a rule and submit print requests. This guide also provides detailed information on page references, seeded content items and template assignment attributes.

**Oracle Cash Management User Guide:**

This guide describes how to use Oracle Cash Management to clear your receipts, as well as reconcile bank statements with your outstanding balances and transactions. This manual also explains how to effectively manage and control your cash cycle. It provides comprehensive bank reconciliation and flexible cash forecasting.

**Oracle Credit Management User Guide:**

This guide provides you with information on how to use Oracle Credit Management. This guide includes implementation steps, such as how to set up credit policies, as well as details on how to use the credit review process to derive credit recommendations that comply with your credit policies. This guide also includes detailed information about the public application programming interfaces (APIs) that you can use to extend Oracle Credit Management functionality.

**Oracle Customer Data Librarian User Guide:**

This guide describes how to use Oracle Customer Data Librarian to establish and maintain the quality of the Trading Community Architecture Registry, focusing on consolidation, cleanliness, and completeness. Oracle Customer Data Librarian has all of the features in Oracle Customers Online, and is also part of the Oracle Customer Data Management product family.

**Oracle Customer Data Librarian Implementation Guide:**

This guide describes how to implement Oracle Customer Data Librarian. As part of implementing Oracle Customer Data Librarian, you must also complete all the implementation steps for Oracle Customers Online.

**Oracle Customers Online User Guide:**

This guide describes how to use Oracle Customers Online to view, create, and maintain your customer information. Oracle Customers Online is based on Oracle Trading Community Architecture data model and functionality, and is also part of the Oracle Customer Data Management product family.

**Oracle Customers Online Implementation Guide:**

This guide describes how to implement Oracle Customers Online.

**Oracle E-Business Tax User Guide:**

This guide describes the entire process of setting up and maintaining tax configuration data, as well as applying tax data to the transaction line. It describes the entire regime-to-rate setup flow of tax regimes, taxes, statuses, rates, recovery rates, tax jurisdictions, and tax rules. It also describes setting up and maintaining tax reporting codes, fiscal classifications, tax profiles, tax registrations, configuration options, and third party service provider subscriptions. You also use this manual to maintain migrated tax data for use with E-Business Tax.

**Oracle E-Business Tax Implementation Guide:**

This guide provides a conceptual overview of the E-Business Tax tax engine, and describes the prerequisite implementation steps to complete in other applications in

order to set up and use E-Business Tax. The guide also includes extensive examples of setting up country-specific tax requirements.

**Oracle E-Business Tax Reporting Guide:**

This guide explains how to run all tax reports that make use of the E -Business Tax data extract. This includes the Tax Reporting Ledger and other core tax reports, country-specific VAT reports, and Latin Tax Engine reports.

**Oracle E-Business Tax: Vertex Q-Series and Taxware Sales/Use Tax System Implementation Guide:**

This guide explains how to setup and use the services of third party tax service providers for US Sales and Use tax. The tax service providers are Vertex Q-Series and Taxware Sales/Use Tax System. When implemented, the Oracle E-Business Tax service subscription calls one of these tax service providers to return a tax rate or amount whenever US Sales and Use tax is calculated by the Oracle E-Business Tax tax engine. This guide provides setup steps, information about day-to-day business processes, and a technical reference section.

**Oracle Embedded Data Warehouse User Guide:**

This guide describes how to use Embedded Data Warehouse reports and workbooks to analyze performance.

**Oracle Embedded Data Warehouse Implementation Guide:**

This guide describes how to implement Embedded Data Warehouse, including how to set up the intelligence areas.

**Oracle Embedded Data Warehouse Install Guide:**

This guide describes how to install Embedded Data Warehouse, including how to create database links and create the end user layer (EUL).

**Oracle Financial Accounting Hub Implementation Guide:**

This guide provides detailed implementation information that leverages the features of Oracle Subledger Accounting to generate accounting.

**Oracle Financial Services Reference Guide:**

This guide provides reference material for Oracle Financial Services applications in Release 12, such as Oracle Transfer Pricing, and includes technical details about application use as well as general concepts, equations, and calculations.

**Oracle Financial Services Implementation Guide:**

This guide describes how to set up Oracle Financial Services applications in Release 12.

**Oracle Financial Services Reporting Administration Guide:**

This guide describes the reporting architecture of Oracle Financial Services applications in Release 12, and provides information on how to view these reports.

**Oracle Financials Country-Specific Installation Supplement:**

This guide provides general country information, such as responsibilities and report security groups, as well as any post-install steps required by some countries.

**Oracle Financials for the Americas User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the Americas region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for Asia/Pacific User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the Asia/Pacific region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for Europe User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the European region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for India User's Guide:**

This guide provides information on how to use Oracle Financials for India. Use this guide to learn how to create and maintain setup related to India taxes, defaulting and calculation of taxes on transactions. This guide also includes information about accounting and reporting of taxes related to India.

**Oracle Financials for India Implementation Guide:**

This guide provides information on how to implement Oracle Financials for India. Use this guide to understand the implementation steps required for application use, including how to set up taxes, tax defaulting hierarchies, set up different tax regimes, organization and transactions.

**Oracle Financials RXi Reports Administration Tool User Guide:**

This guide describes how to use the RXi reports administration tool to design the content and layout of RXi reports. RXi reports let you order, edit, and present report information to better meet your company's reporting needs.

**Oracle General Ledger Implementation Guide:**

This guide provides information on how to implement Oracle General Ledger. Use this guide to understand the implementation steps required for application use, including how to set up Accounting Flexfields, Accounts, and Calendars.

**Oracle General Ledger Reference Guide**

This guide provides detailed information about setting up General Ledger Profile Options and Applications Desktop Integrator (ADI) Profile Options.

**Oracle General Ledger User's Guide:**

This guide provides information on how to use Oracle General Ledger. Use this guide to learn how to create and maintain ledgers, ledger currencies, budgets, and journal

entries. This guide also includes information about running financial reports.

**Oracle Incentive Compensation Implementation Guide:**

This guide provides Compensation Administrators with guidance during implementation of Oracle Incentive Compensation. The procedures are presented in the recommended order that they should be performed for successful implementation. Appendixes are included that describe system profiles, lookups, and other useful information.

**Oracle Incentive Compensation User Guide:**

This guide helps Compensation Managers, Compensation Analysts, and Plan administrators to manage Oracle Incentive Compensation on a day-to-day basis. Learn how to create and manage rules hierarchies, create compensation plans, collect transactions, calculate and pay commission, and use Sales Credit Allocation.

**Oracle Internet Expenses Implementation and Administration Guide:**

This book explains in detail how to configure Oracle Internet Expenses and describes its integration with other applications in the E-Business Suite, such as Oracle Payables and Oracle Projects. Use this guide to understand the implementation steps required for application use, including how to set up policy and rate schedules, credit card policies, audit automation, and the expenses spreadsheet. This guide also includes detailed information about the client extensions that you can use to extend Oracle Internet Expenses functionality.

**Oracle iAssets User Guide:**

This guide provides information on how to implement and use Oracle iAssets. Use this guide to understand the implementation steps required for application use, including setting up Oracle iAssets rules and related product setup steps. It explains how to define approval rules to facilitate the approval process. It also includes information on using the Oracle iAssets user interface to search for assets, create self-service transfer requests and view notifications.

**Oracle iProcurement Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle iProcurement. Oracle iProcurement enables employees to requisition items through a self-service, Web interface.

**Oracle iReceivables Implementation Guide:**

This guide provides information on how to implement Oracle iReceivables. Use this guide to understand the implementation steps required for application use, including how to set up and configure iReceivables, and how to set up the Credit Memo Request workflow. There is also a chapter that provides an overview of major features available in iReceivables.

**Oracle iSupplier Portal User Guide:**

This guide contains information on how to use Oracle iSupplier Portal to enable secure transactions between buyers and suppliers using the Internet. Using Oracle iSupplier

Portal, suppliers can monitor and respond to events in the procure-to-pay cycle.

**Oracle iSupplier Portal Implementation Guide:**

This guide contains information on how to implement Oracle iSupplier Portal and enable secure transactions between buyers and suppliers using the Internet.

**Oracle Loans User Guide:**

This guide describes how to set up and use Oracle Loans. It includes information on how to create, approve, fund, amortize, bill, and service extended repayment plan and direct loans.

**Oracle Partner Management Implementation and Administration Guide:**

This guide helps Vendor administrators to set up and maintain relationships and programs in the Partner Management application. The main areas include setting up the partner and channel manager dashboards, partner setup, partner programs and enrollment, opportunity and referral management, deal registration, special pricing management, and partner fund management.

**Oracle Partner Management Vendor User Guide:**

This guide assists vendor users in using Partner Management on a daily basis. This includes interaction with the partner and channel manager dashboards, working with partners and partner programs, managing opportunities and referrals, registering deals, and working with special pricing and partner funds.

**Oracle Payables User's Guide:**

This guide describes how to use Oracle Payables to create invoices and make payments. In addition, it describes how to enter and manage suppliers, import invoices using the Payables open interface, manage purchase order and receipt matching, apply holds to invoices, and validate invoices. It contains information on managing expense reporting, procurement cards, and credit cards. This guide also explains the accounting for Payables transactions.

**Oracle Payables Implementation Guide:**

This guide provides you with information on how to implement Oracle Payables. Use this guide to understand the implementation steps required for how to set up suppliers, payments, accounting, and tax.

**Oracle Payables Reference Guide:**

This guide provides you with detailed information about the Oracle Payables open interfaces, such as the Invoice open interface, which lets you import invoices. It also includes reference information on purchase order matching and purging purchasing information.

**Oracle Payments Implementation Guide:**

This guide describes how Oracle Payments, as the central payment engine for the Oracle E-Business Suite, processes transactions, such as invoice payments from Oracle Payables, bank account transfers from Oracle Cash Management, and settlements

against credit cards and bank accounts from Oracle Receivables. This guide also describes how Oracle Payments is integrated with financial institutions and payment systems for receipt and payment processing, known as funds capture and funds disbursement, respectively. Additionally, the guide explains to the implementer how to plan the implementation of Oracle Payments, how to configure it, set it up, test transactions, and how use it with external payment systems.

**Oracle Payments User's Guide:**

This guide describes how Oracle Payments, as the central payment engine for the Oracle E-Business Suite, processes transactions, such as invoice payments from Oracle Payables, bank account transfers from Oracle Cash Management, and settlements against credit cards and bank accounts from Oracle Receivables. This guide also describes to the Payment Administrator how to monitor the funds capture and funds disbursement processes, as well as how to remedy any errors that may arise.

**Oracle Procurement Buyer's Guide to Punchout and Transparent Punchout:**

This guide contains necessary information for customers implementing remote catalog content on a supplier's Web site or on Oracle Exchange.

**Oracle Procurement Contracts Online Help:**

This guide is provided as online help only from the Oracle Procurement Contracts application and includes information about creating and managing your contract terms library.

**Oracle Procurement Contracts Implementation and Administration Guide:**

This guide describes how to set up and administer Oracle Procurement Contracts. Oracle Procurement Contracts enables employees to author and maintain complex contracts through a self-service, Web interface.

**Oracle Public Sector Financials User Guide:**

This guide describes how to set up and administer Oracle Public Sector Advanced Features. It describes Encumbrance Reconciliation Reports, GASB 34/35 Asset Accounting, and Funds Available Enhancements.

**Oracle Purchasing User's Guide:**

This guide describes how to create and approve purchasing documents, including requisitions, different types of purchase orders, quotations, RFQs, and receipts. This guide also describes how to manage your supply base through agreements, sourcing rules, and approved supplier lists. In addition, this guide explains how you can automatically create purchasing documents based on business rules through integration with Oracle Workflow technology, which automates many of the key procurement processes.

**Oracle Receivables User Guide:**

This guide provides you with information on how to use Oracle Receivables. Use this guide to learn how to create and maintain transactions and bills receivable, enter and apply receipts, enter customer information, and manage revenue. This guide also

includes information about accounting in Receivables. Use the Standard Navigation Paths appendix to find out how to access each Receivables window.

**Oracle Receivables Implementation Guide:**

This guide provides you with information on how to implement Oracle Receivables. Use this guide to understand the implementation steps required for application use, including how to set up customers, transactions, receipts, accounting, tax, and collections. This guide also includes a comprehensive list of profile options that you can set to customize application behavior.

**Oracle Receivables Reference Guide:**

This guide provides you with detailed information about all public application programming interfaces (APIs) that you can use to extend Oracle Receivables functionality. This guide also describes the Oracle Receivables open interfaces, such as AutoLockbox which lets you create and apply receipts and AutoInvoice which you can use to import and validate transactions from other systems. Archiving and purging Receivables data is also discussed in this guide.

**Oracle Sourcing Implementation and Administration Guide:**

This guide contains information on how to implement Oracle Sourcing to enable participants from multiple organizations to exchange information, conduct bid and auction processes, and create and implement buying agreements. This allows professional buyers, business experts, and suppliers to participate in a more agile and accurate sourcing process.

**Oracle Subledger Accounting Implementation Guide:**

This guide provides setup information for Oracle Subledger Accounting features, including the Accounting Methods Builder. You can use the Accounting Methods Builder to create and modify the setup for subledger journal lines and application accounting definitions for Oracle subledger applications. This guide also discusses the reports available in Oracle Subledger Accounting and describes how to inquire on subledger journal entries.

**Oracle Supplier Scheduling User's Guide:**

This guide describes how you can use Oracle Supplier Scheduling to calculate and maintain planning and shipping schedules and communicate them to your suppliers.

**Oracle iProcurement Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle iProcurement. Oracle iProcurement enables employees to requisition items through a self-service, Web interface.

**Oracle Procurement Contracts Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle Procurement Contracts. Oracle Procurement Contracts enables employees to author and maintain complex contracts through a self-service, Web interface.

**Oracle Trading Community Architecture User Guide:**

This guide describes the Oracle Trading Community Architecture (TCA) and how to use features from the Trading Community Manager responsibility to create, update, enrich, and cleanse the data in the TCA Registry. It also describes how to use Resource Manager to define and manage resources.

**Oracle Trading Community Architecture Administration Guide:**

This guide describes how to administer and implement Oracle Trading Community Architecture (TCA). You set up, control, and manage functionality that affects data in the TCA Registry. It also describes how to set up and use Resource Manager to manage resources.

**Oracle Trading Community Architecture Reference Guide:**

This guide contains seeded relationship types, seeded Data Quality Management data, D&B data elements, Bulk Import interface table fields and validations, and a comprehensive glossary. This guide supplements the documentation for Oracle Trading Community Architecture and all products in the Oracle Customer Data Management family.

**Oracle Trading Community Architecture Technical Implementation Guide:**

This guide explains how to use the public Oracle Trading Community Architecture application programming interfaces (APIs) and develop callouts based on Oracle Workflow Business Events System (BES). For each API, this guide provides a description of the API, the PL/SQL procedure, and the Java method, as well as a table of the parameter descriptions and validations. For each BES callout, this guide provides the name of the logical entity, its description, and the ID parameter name. Also included are setup instructions and sample code.

**Oracle U.S. Federal Financials User's Guide:**

This guide describes the common concepts for an integrated financial management solution for federal agencies to comply with the requirements of the U.S. Federal government. It describes the product architecture and provides information on Budget Execution, Prompt Payment, Treasury payments, Third party payments, Interagency transactions, Receivables management, Federal reports, CCR Integration, and Year End Closing.

**Oracle U.S. Federal Financials Implementation Guide:**

This guide describes the common concepts for an integrated financial management solution for federal agencies. It includes a consolidated setup checklist by page and provides detailed information on how to set up, maintain, and troubleshoot the Federal Financial application for the following functional areas: Sub Ledger Accounting, Budget Execution, Prompt Payment, Treasury payments, Third party payments, Interagency transactions, Receivables management, Federal reports, CCR Integration, and Year End Closing.

## **Integration Repository**

The Oracle Integration Repository is a compilation of information about the service

endpoints exposed by the Oracle E-Business Suite of applications. It provides a complete catalog of Oracle E-Business Suite's business service interfaces. The tool lets users easily discover and deploy the appropriate business service interface for integration with any system, application, or business partner.

The Oracle Integration Repository is shipped as part of the E-Business Suite. As your instance is patched, the repository is automatically updated with content appropriate for the precise revisions of interfaces in your environment.

You can navigate to the Oracle Integration Repository through Oracle E-Business Suite Integrated SOA Gateway.



---

# Implementing Oracle Financial Services Applications

This chapter describes the implementation steps common to Oracle Financial Services applications.

This chapter covers the following topics:

- Overview
- Assigning Responsibilities to Users
- Setting Profile Options
- Defining Value Sets and Global Value Set Combinations
- Setting Up Dimensions and Hierarchies
- Setting Up and Populating Data Structures
- Defining Application Preferences
- Setting Up Data Set Groups
- Enabling Currencies
- Configuring iSetup and mapping instances for extracting and loading rules
- Administering Data
- Defining Processing
- Configuring Reporting
- Customizing Home Page
- Configuring Workflow
- Setting Up Security Folders

## Overview

Oracle Financial Services (OFS) applications in Release 12 are based on Oracle Enterprise Performance Foundation (EPF). EPF belongs to the Oracle Corporate Performance Management (CPM) product family, which is a part of the Oracle E-Business Suite Unified Data Model. EPF uses the product prefix FEM and is the central data depository that OFS applications are built upon. See: *What is Oracle Enterprise Performance Foundation?*, *Oracle Enterprise Performance Foundation User's Guide*.

This implementation guide provides information about setting up these Oracle Financial Services applications:

- **Oracle Transfer Pricing (FTP):** Allows you to generate transfer rates and option costs for your product portfolio and determine account-level match-funded spreads. You can also use these account-level match-funded spreads to produce account, customer, product, and business unit performance measures and to quantify and manage interest rate risk. See: *Oracle Transfer Pricing User Guide*.
- **Oracle Profitability Manager (PFT):** Lets you calculate, analyze, and report profitability. You can allocate profitability measures across multiple dimensions, such as customer, product, channel, transaction, entity, division, and analyze profitability using activity-based methodologies. See: *Oracle Profitability Manager User's Guide*.

Before users can use these applications, you need to:

1. Assign appropriate responsibilities to each user of the application, page 1-3.
2. Set up profile options, page 1-5.
3. Define value sets and global value set combinations, page 1-10.
4. Set up dimensions and hierarchies, page 1-14.
5. Set up and populate data structures to load data to the application, page 1-15.
6. Define application preferences, page 1-19.
7. Set up data set groups, page 1-20.
8. Enable currencies, page 1-22.
9. Configure iSetup and map instances for extracting and loading rules, page 1-22.
10. Administer data, page 1-23.
11. Define data processing methods, page 1-33.

12. Configure reporting, page 1-35.
13. Customize the home page, page 1-36.
14. Configure Workflow, page 1-36.
15. Set Up Security Folders, page 1-37.

In addition to these general setup steps, you also need to perform the product-specific steps. See:

- Oracle Transfer Pricing Implementation Overview, page 2-1.
- Oracle Profitability Manager Implementation Overview, page 3-1.

## Related Topics

Oracle Transfer Pricing Implementation Overview, page 2-1

Oracle Profitability Manager Implementation Overview, page 3-1

## Assigning Responsibilities to Users

These responsibilities are available for assignment to users of Oracle Financial Services (OFS) applications:

- **Common Oracle Financial Services (OFS) Applications Responsibilities:**

- Enterprise Performance Foundation Administrator

- **Oracle Transfer Pricing (FTP) Responsibilities:**

- FTP User
- FTP Supervisor

- **Oracle Profitability Manager (PFT) Responsibilities:**

- Enterprise Performance Foundation Administrator
- Profitability Manager
- Profitability Manager Administrator
- Profitability Manager Administrator with Activity-Based Management
- Profitability Manager with Activity-Based Management – Administrator

The following table lists the user privileges for different responsibilities that can be

assigned in the OFS applications:

**Responsibilities and User Privileges**

<b>Responsibility</b>	<b>Menu</b>	<b>Access</b>	<b>Menu Exclusion</b>
Enterprise Performance Foundation Administrator	Enterprise Performance Foundation Menu	Home, Data Rule, Configuration Rules, Process Management, and Administration tabs	None
FTP User	FTP Menu - Supervisor	Home, Business Rule (Calculation, Dimension, Condition, Data Inspector, Patterns, Interest Rate Codes, Currency Rates), Process Management, and Documents tabs	Administration tab
FTP Supervisor	FTP Top Level Menu	Home, Business Rule (Calculation, Dimension, Condition, Data Inspector, Patterns, Interest Rate Codes, Currency Rates), Process Management, Documents, and Administration tabs	None
Profitability Manager	Profitability Manager Menu	Home, Business Rules (Mapping, Customer, Dimension, Condition, Data Inspector), Process Management, and Documents tabs	Administration
Profitability Manager Administrator	Profitability Manager Menu	Home, Business Rules (Mapping, Customer, Dimension, Condition, Data Inspector), Process Management, Documents, and Administration tabs	None

Responsibility	Menu	Access	Menu Exclusion
Profitability Manager Administrator with Activity-Based Management	Profitability Manager Menu	Home, Business Rules (Mapping, Activity, Customer, Dimension, Condition, Data Inspector), Process Management, and Documents tabs	Administration
Profitability Manager with Activity-Based Management – Administrator	Profitability Manager Menu	Home, Business Rules (Mapping, Activity, Customer, Dimension, Condition, Data Inspector), Process Management, Documents, and Administration tabs	None

## Procedure

See: Users Window, *Oracle E-Business Suite Security Guide*.

## Related Topics

Overview, page 1-2

## Setting Profile Options

Set a value for each profile option to specify how the Oracle Financial Services application controls access to and processes data.

The prefixes in the profile option name indicate the application that the profile belongs to:

- **FEM:** Oracle Enterprise Performance Foundation
- **FTP:** Oracle Transfer Pricing

See: Oracle Financial Services Applications Profile Options, page 1-6.

## Procedure

See: Overview of Setting User Profiles, *Oracle E-Business Suite Setup Guide*.

## Related Topics

Oracle Financial Services Applications Profile Options, page 1-6

Overview, page 1-2

## Oracle Financial Services Applications Profile Options

The following table displays the profile options for Oracle Financial Services applications such as Profitability Manager and Transfer Pricing. The profile options in Oracle Enterprise Performance Foundation are applicable to Oracle Financial Services applications.

Profile Name	Profile Description
FEM: Application Code	Displays the application defined for the user.
FEM: Attribute Interface Table Date Format Mask	Currently, when users enter start and end dates for calendar periods with the user interface, they are not allowed to enter the "time" portion of the date, and this always is defaulted in the database to 00:00:00. However, in some situations, users may need to create what is called an "intra day" period. This is the case where a start time or end time represents less than a whole day. To do this, you must specify the "date" and the "time" for that period, and this is provided as a feature in the dimension member loader. To create an "intraday" period, the user must specify the date format mask in the "FEM: Attribute Interface Table Date Format Mask" profile option, and load the calendar period members into the appropriate loader table, and then run the dimension member loader program. By default, this profile option is set to exclude the time portion.
FEM: CCE Debug Trace	Reserved for support, the profile option enables debug reporting for the common calculation engine (CCE) in the concurrent manager log.

<b>Profile Name</b>	<b>Profile Description</b>
FEM: Currency Conversion Type	Used to specify the currency conversion type when translating currencies. The domain for this profile option is defined in the E-Business Suite, and includes options such as Corporate, Daily, and Spot.
FEM: Currency Type	The domain for this profile option is either Entered or Translated. Profitability Manager processes only those rows indicated as Entered. Rows indicated as Translated are primarily for reporting purposes.
FEM: Data Set Group	Specifies the default dataset group. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: Dataset	Specifies the default Dataset. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: Default Actuals Dataset	Specifies the default actuals data set used when setting up General Ledger Balances Rules to leverage actual balances in Enterprise Performance Foundation.
FEM: Default Effective Start Date	Specifies the start date default for rule versions. If not specified, the system will default to 1/1/1900.
FEM: Default Effective End Date	Specifies the end date default for rule versions. If not specified, the system will default to 1/1/2500.
FEM: Effective Date	Specifies the default effective date. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: FEM Top	Specifies the location of the FEM_TOP file system directory in the Oracle Applications file system. Used by the Enterprise Performance Foundation Refresh Engine.

<b>Profile Name</b>	<b>Profile Description</b>
FEM: GL Advanced Mapping Flag	Determines if line items and financial elements are associated with natural accounts when leveraging balances from Oracle General Ledger in Enterprise Performance Foundation. When the profile option is set to Yes, users should set up the Financial Element and Line Item attributes for the Natural Account dimension.
FEM: Ledger	Specifies the default ledger. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: Loader Dimension Grouping Size	Number of dimensions to process at a time when validating the dimensions in the interface data. See the "Logging" topic under Running the Detail Client Data Loader, <i>Oracle Enterprise Performance Foundation User's Guide</i> for further information.
FEM: Period	Specifies the default period. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: Result Rounding Flag	Controls the output from a Oracle Profitability Manager (PFT) Mapping Rule calculation when results do not meet a specific threshold. If the flag is set to 'Y', then results less than .000001 do not get written on output. If set to 'N', then all results, no matter how small are written on output.
FEM: Rule Migration Access	Set by the system administrator to enable or disable migration functionality. If the profile option value is set to "N", the Migrate icon is disabled on the rule home page; otherwise, the icon is enabled. Can be set at the Site, Application, and Responsibility levels, but not at the User level.
FEM: Rule Set Depth Limit	Controls the depth of the nested rule sets within a rule set.

Profile Name	Profile Description
FEM: Security Folder	Specifies the default security folder. This option is set on the Application Preferences menu and should not be set on the Profile Options setup screen.
FEM: Signage Methodology	<p data-bbox="971 485 1458 667">Identifies the signage methodology used for calculations that write to the FEM_BALANCES table and data written to Enterprise Performance Foundation as part of Oracle General Ledger integration. The available methodologies are:</p> <ul data-bbox="971 695 1458 1058" style="list-style-type: none"> <li data-bbox="971 695 1458 856">• Absolute Value - Loads the account types Assets and Expenses with no signage adjustment, but reverses signs for all balances with the account types Equity, Liabilities, and Revenue</li> <li data-bbox="971 890 1458 953">• Standard General Accounting Principles - Makes no signage adjustment</li> <li data-bbox="971 995 1458 1058">• Reverse General Accounting Principles - Reverses signs for all balances</li> </ul>
FEM: Track Event Chains	Supports the ability to remove a chain of processing runs. If this flag is set, and you remove a rule, any other rules that are dependent upon the removed rule are also removed.
FND: View Object Max fetch size	Sets the maximum number of rows displayed in lists of values and on pages in the user interface by restricting the number of rows that the view object fetches from the database. The default value is 200.
FTP: Engine Debug Trace	Reserved for support, this profile option enables debug reporting for the Transfer Pricing engine in the concurrent manager log.

Profile Name	Profile Description
FTP: Option Cost Precision Factor	While calculating the static spread for option cost calculation, you can control the convergence speed of the algorithm by adjusting the value of the FTP: Option Cost Precision Factor profile option. The default value is equal to one. A lower precision factor results in more accurate results but increases the processing time. A precision factor equal to one usually results in an error of less than half a basis point (on the static spread and OAS).
FTP: Process Errors - Per Item	Specifies the number of times you want to see each unique error message. For example, if you type in 10, the concurrent manager log will hold 10 rows for each unique error message that results from running your Transfer Pricing Process rule.
FTP: Process Errors - Total	Specifies the total number of error messages you want to output. For example, if you type in 100, the first 100 error messages that result from running your Transfer Pricing Processing rule will be written to the concurrent manager log.

## Defining Value Sets and Global Value Set Combinations

A value set consists of a list of members for a dimension. A global value set combination consists of a group of value sets, in which there is one value set for each dimension in the system.

A global value set combination becomes active when you select a Ledger on the application preferences menu. You must associate a global value set combination to each Ledger dimension member.

See: Working with Value Sets, page 1-11 and Working with Global Value Set Combinations, page 1-12.

**Note:** Oracle Financial Services (OFS) applications are seeded with a default value set for each dimension and a default global value set combination. Use the seeded default value sets unless you have a specific requirement that dictates creating additional value sets. If you

plan to use the seeded default value sets skip the steps described in these sections.

## Related Topics

Working with Value Sets, page 1-11

Working with Global Value Set Combinations, page 1-12

Standard Navigation Paths, page A-1

Overview, page 1-2

## Working with Value Sets

There can be multiple lists of values for a dimension. By defining value sets, where each value set represents a particular list of values, you can distinguish these lists of value from one another. Value sets are useful when there are two systems that use the same dimensional identifier for different purposes.

For further information, see the following topics:

- Creating value sets, page 1-11
- Updating value sets, page 1-12
- Deleting value sets, page 1-12

## Creating value sets

Use the following procedure to create a new value set:

1. On the Value Sets page, click the **Create** button.
2. On the Create Value Set page, specify the following:
  - A short identifier for the value set in the Code box
  - The full name for the value set in the Value Set Name box
  - An optional text description for the value set in the Description box
  - The dimension to which the value set is to be assigned in the Dimension box. Click the search icon to search for and select a dimension.
3. Click the **Apply** button to create the value set.

## Updating value sets

Use the following procedure to update an existing value set:

1. On the Value Sets page, search for the value set that you want to update. You can refine the search by value set name, dimension, or both. When you have specified the desired search values, click the **Go** button to display a list of value sets that meet the search criteria.
2. Click the **Update** icon for the value set that you want to update.
3. On the Update page, update the value set name and description, as desired.
4. Click the **Apply** button to apply the updates.

## Deleting value sets

Use the following procedure to delete a value set:

1. On the Value Sets page, search for the value set that you want to delete. You can search by value set name, dimension, or both. When you have specified the desired search values, click the **Go** button to display a list of value sets that meet the search criteria.
2. Click the **Delete** icon for the value set that you want to delete. Note that some value sets cannot be deleted; the **Delete** icon is disabled for these value sets.
3. On the Delete page, confirm that you want to delete the value set.

## Working with Global Value Set Combinations

After you have created value sets, you can create global value set combinations. A global value set combination is a defined combination of value sets in which there is one value set for each dimension in the system. Through a ledger attribute, global value set combinations are associated with ledgers for processing.

Through the Global Value Set Combinations page, you can manage global value set combinations.

For further information, see the following topics:

- Creating global value set combinations, page 1-13
- Updating global value set combinations, page 1-13
- Deleting global value set combinations, page 1-13

## Creating global value set combinations

Use the following procedure to create a global value set combination:

1. On the Global Value Set Combinations page, click the **Create** button.
2. On the Create Global Value Set Combination page, specify the name for the new global value set combination and a value set for each dimension. For each dimension, you can use the default value set, or you can choose a different value set from the list in the Value Set box.
3. Click the **Apply** button to create the global value set combination.

## Updating global value set combinations

Use the following procedure to update a global value set combination:

1. On the Global Value Set Combinations page, search for the global value set combination that you want to update. When you have specified the desired search value, click the **Go** button to display a list of global value set combinations that meet the search criteria.

For each global value set combination displayed in the Results section, you can view the component value sets by expanding the global value set combination. To expand a global value set combination, click the **Expand** icon immediately preceding the global value set combination.

2. Click the **Update** icon for the global value set combination that you want to update.
3. Make any desired changes to the global value set combination name. Note that you cannot make any changes to the value sets assigned to dimensions for existing global value set combinations.
4. Click the **Apply** button to update the global value set combination.

## Deleting global value set combinations

You can delete a global value set combination, providing that the global value set combination has not been assigned to a ledger. Use the following procedure to delete a global value set combination:

1. On the Global Value Set Combinations page, search for the global value set combination that you want to delete. You can search by global value set combination name, dimension, or both. When you have specified the desired search values, click the **Go** button to display a list of global value set combinations that meet the search criteria.
2. Click the **Delete** icon for the global value set combination that you want to delete.

3. On the Delete page, confirm that you want to delete the global value set combination.

## Setting Up Dimensions and Hierarchies

You can set up the following dimensions or use the default values provided by the application before processing the application. In addition, you must set up a Line Item hierarchy before processing. You can elect to set up hierarchies for other dimensions as necessary for reporting purposes. See: About Dimension and Hierarchy Management, *Oracle Enterprise Performance Foundation User's Guide*.

- Ledger

**Note:** Use of the default Ledger is recommended.

- Calendar
- Calendar Period
  - Calendar Period hierarchy

**Note:** Use of the default Calendar Period Hierarchy is recommended.

- Product
- Geography
- Natural Account
- Line Item
- Line Item Hierarchy
- Company Cost Center Organization
  - Company Cost Center Organization hierarchy
- Customer
- Data Set Code
- Source System

**Note:** You need to associate the Calendar Period hierarchy with the Ledger dimension. There are several interfaces in the UI that request you to input both the ledger and calendar period data. You will only be able to select calendar periods, which are part of the Calendar Period hierarchy associated with a given Ledger.

You can load the dimensions using the loader programs manually through the user interface, or within an Excel spreadsheet by selecting the Create From Spreadsheet option. See: Setting Up and Populating Data Structures, page 1-15.

## Related Topics

Overview, page 1-2

## Setting Up and Populating Data Structures

To set up data structures:

1. Populate the data from legacy source systems to interface tables in the Enterprise Performance Foundation (EPF) data model using the EPF interface architecture. See: Populating the Interface Tables, page 1-15.
2. Move the verified data to the permanent tables in the EPF database to be used by the Oracle Financial Services application. See:
  - Populating the Data Model Using the Data Loaders, page 1-16.
  - Populating the Data Model Manually, page 1-18.
  - Populating the Data Model Using Data Loader Rules, page 1-19.

## Related Topics

Populating the Interface Tables, page 1-15

Populating the Data Model Using the Data Loaders, page 1-16

Populating the Data Model Manually, page 1-18

Overview, page 1-2

## Populating the Interface Tables

EPF Interface Architecture provides a set of interface tables for each type of information. An interface table acts as a staging area for your business data.

## Procedure

You can load account data extracts using SQL scripts. Use the data dictionary as the definitive representation of each table structure, to load the source data to the defined interface tables. See: *Oracle Financial Services Data Dictionary* (Note 333726.1 on My Oracle Support).

For a new implementation, all the source data is extracted, modified, and loaded into the tables. For an existing implementation, incremental data is extracted, modified, and added into the account tables.

## Related Topics

Setting Up and Populating Data Structures, page 1-15

## Populating the Data Model Using the Data Loaders

Enterprise Performance Foundation (EPF) interface architecture also provides an easy and automated way to move the data from interface tables to the EPF database using a set of loader engines.

EPF interface architecture enables you to load the following types of information:

- Dimension members and attributes
- Dimension levels
- Dimension hierarchies
- Fact data, such as monetary balances and statistics
- General Ledger data
- Account Level data

EPF provides a separate engine or loader to load each type of business information.

**Important:** EPF system does not require any particular order for the loading except that you need to always load dimension members first.

See: *Interface Tables and External Data Loaders, Oracle Enterprise Performance Foundation User's Guide*.

## Procedure

The following is an example of an automated loading process using data loaders:

1. Load new dimension members using the Dimension Member loader, page 1-17.  
You would need to define new dimensions for Product, Company Cost Center

Organization, Geography, and Industry.

2. Load new hierarchies using the Dimension Hierarchy loader, page 1-17.
3. Load generic fact data using the Detail Client Data loader, page 1-18.
4. Load general ledger data using the External General Ledger Data loader, page 1-18.
5. Load the detail client data using the Detail Client Data loader, page 1-18.

#### **Using the Dimension Member Loader**

1. Identify the dimensions for loading.
2. Populate the Dimension Member loader interface tables. See: Populating the Interface Tables, page 1-15.
3. Select the loader operation for the Dimension Member loader. The Dimension Member loader supports the following loader operations:
  1. Create new levels.
  2. Update level names and descriptions.
  3. Create new members.
  4. Update member names and descriptions.
  5. Update existing attribute assignments.
  6. Create new attribute assignment versions.
4. Run the Dimension Member loader.

See: Dimension Member Loader, *Oracle Enterprise Performance Foundation User's Guide*.

#### **Using the Dimension Hierarchy Loader**

1. Identify the Hierarchy dimensions.
2. Populate the Dimension Hierarchy loader interface tables. See: Populating the Interface Tables, page 1-15.
3. Select the loader operation for the Dimension Hierarchy loader.
4. Run the Dimension Hierarchy loader.

See: Dimension Hierarchy Loader, *Oracle Enterprise Performance Foundation User's Guide*.

### Using the External General Ledger Loader

1. Define the processing key metadata for the FEM\_BALANCES table.
2. Create a unique index on FEM\_BALANCES that includes all the columns included in the processing key definition.
3. Create a unique index on the FEM\_BAL\_INTERFACE\_T table that includes all the columns listed for it in the External General Ledger Interface Table section, including all the display code columns that correspond to a FEM\_BALANCES processing key column, and set these columns to NOT NULL in the interface table.
4. Load balances data into FEM\_BAL\_INTERFACE\_T.
5. Run the External General Ledger loader.

See: External General Ledger Data Loader, *Oracle Enterprise Performance Foundation User's Guide*.

### Using the Detail Client Data Loader

1. Populate the Detail Client Data loader interface tables. See: Populating the Interface Tables, page 1-15.
2. Run the Detail Client Data loader.

See: Detail Client Data Loader, *Oracle Enterprise Performance Foundation User's Guide*.

**Note:** The DataX Loader program, which was earlier used to load generic fact data, has been phased out. The Detail Client Data Loader program provides all of the functionality of the DataX Loader program as well as additional capabilities. Use the Detail Client Data Loader program instead of the DataX Loader for loading data into data tables.

### Related Topics

Setting Up and Populating Data Structures, page 1-15

### Populating the Data Model Manually

In addition to populating the data model using the loaders, you can also manually set up data structures in a Oracle Financial Services application through the Dimension and Hierarchy Management feature. See: About Dimension and Hierarchy Management, *Oracle Enterprise Performance Foundation User's Guide*.

## Procedure

To create a dimension member, such as a Company Cost Center Organization, proceed with the following steps:

1. Navigate to the Dimension Members page.
2. Select the appropriate dimension from Switch Dimension and click Go.
3. Click Create Member.
4. Enter the dimension member details.

See: Creating members, *Oracle Enterprise Performance Foundation User's Guide*.

## Related Topics

Standard Navigation Paths, page A-1

Setting Up and Populating Data Structures, page 1-15

## Populating the Data Model Using Data Loader Rules

Enterprise Performance Foundation allows dimension loading rules and account, ledger and client data loading rules to be created as stored rules with scope, and run any time with or without modifications. You can use these rules to load the data model using rule based data loaders such as the Dimension Member Loader and the Detail Client Data Loader. See:

- Dimension Loader, *Oracle Enterprise Performance Foundation User's Guide*.
- Data Loader, *Oracle Enterprise Performance Foundation User's Guide*.

## Related Topics

Setting Up and Populating Data Structures, page 1-15

## Defining Application Preferences

Application preferences are a set of global options specific to each user, which you can set as parameters to be used while processing and reporting. These parameters are also used as default values for running a Oracle Financial Services application's process rule, but those defaults can be overridden at runtime.

You can set any of the following five options as the default set of parameters.

- **Security Folder:** Set a second level security.
- **Data Set Group:** Set the default data set group.

- **Default Ledger:** Set a default ledger. The global value set attribute on your ledger impacts creation and viewing of rules in the application. See: Defining Value Sets and Global Value Set Combinations, page 1-10.
- **Period:** Set the default calendar period. The list of periods is dependent on the ledger selection.
- **Effective Date:** Set the default effective date.

## Procedure

1. Navigate to any page in the application.
2. Click Preferences on the global menu.
3. Click Application Preferences on the application preferences menu, and set the preferences.

## Related Topics

Standard Navigation Paths, page A-1

Overview, page 1-2

## Setting Up Data Set Groups

A data set is a data management dimension that is used primarily to group data for processing and reporting. All data that resides within the Enterprise Performance Foundation data model must be assigned to a data set code. Although the Oracle Financial Services (OFS) applications use only one dimension for each data set, the applications segment data sets into one of two categories, input data sets and output data sets. The OFS applications can process various input data sets at once but only produce results to one output data set.

The data set group acts as a wrapper associating all data sets to a group for reporting or processing. A data set group tells the engine what combination of input and risk data sets to process, which output data set identifier to write to results tables, or what combination of input or output data sets to view for reports.

- **Input Data Set:** Account and ledger data that is loaded from source systems.
- **Output Data Set:** Results that are calculated through the application are assigned to this data set.

See: About Data Set Groups, *Oracle Enterprise Performance Foundation User's Guide* and Creating Data Set Groups, page 1-21.

## Related Topics

Creating Data Set Groups, page 1-21

Standard Navigation Paths, page A-1

Overview, page 1-2

## Creating Data Set Groups

Use the following procedure to create a new data set group and version:

1. On the Dataset Groups page, click the **Create Dataset Group** icon.
2. On the Create Dataset Group: Step 1: Dataset Group Details page, do the following:
  1. In the Folder box, select the folder in which you want to save the data set group.
  2. In the Dataset Group Name box, specify the name for the data set group. The name you specify is also used for the associated version.
  3. If you want to provide a text description for the data set group, type the description in the Description box.
  4. Specify the access rights for the data set group. If you want all users other than yourself to have read-only access rights, so that they can view the group but cannot duplicate, update, or delete it, select **Read**. If you want all other users to have read and write access rights, so that they are able to view, duplicate, update, and delete the group, select **Read/Write**.
  5. Click the **Continue** button to display the Create Dataset Group: Step 2: Dataset Group Definition page.
3. On the Create Dataset Group: Step 2: Dataset Group Definition page, do the following:
  1. In the Output Dataset box, select the desired output data set.

The data set that you specify as the output data set is automatically defined as an input data set, which ensures that all data currently in the specified output data set is preserved.
  2. Specify any additional input data sets. To specify an additional data set, click the **Add Another Row** button.

For each input data set, you must either select a specific calendar period in the Calendar Period box or select the Offset box, select the desired period type for the offset in the Period Type box, and specify the desired offset in the Period

Offset box.

If you are using an offset, specify a number in the Period Offset box that defines the desired number of offset periods for the type selected in the Period Type box. Use a positive number to specify an offset subsequent to the input date for a calculation, and use a negative value to specify an offset prior to the calculation date. You can also specify an offset of zero (0), which indicates that the calendar period specified in the run parameters is to be used.

For example, to specify an offset that is two months after the calendar period for a calculation, select **Month** in the Period Type box and specify 2 in the Period Offset box; to specify an offset that is two months prior to the input date for a calculation, select **Month** in the Period Type box and specify -2 in the Period Offset box.

If you want to use the same period type as the type specified for Output Calendar Period when a calculation is run, select **Same as Output Calendar Period**.

3. After you have defined all of the desired input data sets, click the **Finish** button to complete the data set group and version definition.

## Enabling Currencies

Use an Oracle General Ledger (GL) responsibility, such as General Ledger Super User, to enable or disable currencies for Oracle Financial Services (OFS) applications.

### Procedure

1. Navigate to Setup: Currencies, and select Define.
2. Search and select a currency.
3. Select Enable.

See: Defining Currencies, *Oracle General Ledger User Guide*.

### Related Topics

Overview, page 1-2

## Configuring iSetup and mapping instances for extracting and loading rules

Use an Oracle iSetup responsibility, such as Oracle iSetup, to configure iSetup and map instances for extracting and loading rules.

## Procedure to configure iSetup

1. Log in to Oracle E-Business Suite.
2. For the remaining steps, see:
  - Instance Overview, *Oracle iSetup User Guide*.
  - Using Oracle iSetup, *Oracle iSetup User Guide*.

## Procedure to map instances

1. Navigate to Administration: Instance Mapping.
2. For the remaining steps, see: Instance Mapping, *Oracle iSetup User Guide*.

## Related Topics

Overview, page 1-2

## Administering Data

You can administer the data in the Enterprise Performance Foundation tables for usage in a Oracle Financial Services application by:

- Setting up Data Inspector Rules, page 1-23.
- Performing Table and Column Registration Tasks, page 1-25.
- Performing Dimension Administration Tasks, page 1-31.

## Related Topics

Setting Up Data Inspector Rules, page 1-23

Performing Table and Column Registration Tasks, page 1-25

Performing Dimension Administration Tasks, page 1-31

Standard Navigation Paths, page A-1

Overview, page 1-2

## Setting Up Data Inspector Rules

See: About the Data Inspector and Data Inspector Rules, *Oracle Enterprise Performance Foundation User's Guide* and Creating Data Inspector Rules, page 1-24.

## Related Topics

Creating Data Inspector Rules, page 1-24

Standard Navigation Paths, page A-1

Administering Data, page 1-23

## Creating Data Inspector Rules

Use the following procedure to create a new Data Inspector rule and version:

1. On the Data Inspector Rules page, click the **Create** button.
2. On the Step 1: Select Table page, do the following:
  1. In the Folder box, select the folder in which you want to save the rule.
  2. In the Data Inspector Name box, specify the name for the rule. The name you specify is also used for the rule version.
  3. If you want to provide a text description for the rule, type the description in the Description box.
  4. Specify the access rights for the rule. If you want all users other than yourself to have read-only access rights, so that they can view and run the rule but cannot update or delete it, select **Read**. If you want all other users to have read and write access rights, so that they are able to view, run, update, and delete the rule, select **Read/Write**.
  5. In the Table box, select the table that you want to access through the rule.  
  
Only tables that have been registered with Enterprise Performance Foundation are available for selection. For information about registering tables, see *Performing Table and Column Registration Tasks*, page 1-25.
  6. If you want to include a condition in the rule definition, select the condition that you want to use in the Condition Rule box.
  7. you can also switch to the Condition Creation page, create a new condition for the Data Inspector rule.  
  
Refer to *Creating Conditions During Data Inspector Rule Registration*, *Oracle Enterprise Performance Foundation User's Guide* for more information.
  8. Click the **Continue** button to display the Step 2: Select Columns page.
3. On the Step 2: Select Columns page, do the following:
  1. Select the columns that you want to display by moving them from the Available

Columns box to the Columns Displayed (In Order) box.

Columns denoted by an asterisk (\*) are required columns; if you attempt to create a new row when you run the rule, you will only be able to do so if you have selected all of the required columns in this step.

2. Specify the order in which you want to display the selected columns when you run the rule. The column at the top of the list in the Columns Displayed (In Order) box will appear as the farthest column to the left when you run the rule version; the column at the bottom will appear as the farthest column to the right.

To move a column in the Columns Displayed (In Order) box, thereby changing its placement in the display order, select the column and use the up and down arrow buttons in the Columns Displayed (In Order) box to move the column to the desired position.

**Tip:** Select the ledger to be the first column displayed, because the ledger selection controls the value sets of all remaining columns on the selected table. When the ledger is selected, all other dimension columns are reset, so the ledger should be selected first.

3. If you want to make one or more columns editable, so that you can change the values in them when you run the rule version, click the **Enable Editable** button and select the columns that you want to be editable on the Enable Editable Columns page. Note that not all columns can be designated as editable.
4. Use the Sort Settings section to order the data that the Data Inspector displays when you run a Data Inspector rule. You can specify as many as three columns on which to sort.

For example, if you have specified the Calendar Period column in the Balances table as the First Sort column name in ascending order, the Balances table will be sorted by calendar period in ascending order when you run the rule.

5. Click the **Finish** button to complete the rule and version definition.

## Performing Table and Column Registration Tasks

The core metadata for Enterprise Performance Foundation consists of table and column definitions and properties. Before tables and columns can be recognized and used by related applications, these tables and columns must be defined and registered within the system. Through the table and column registration facility, you can register tables and columns for use by user interfaces and concurrent programs.

Prior to using the table and column registration facility in Enterprise Performance

Foundation, the database administrator for the E-Business Suite must do the following:

1. Determine which tables and columns are to be used for processing.
2. For each table in the system, there must be a unique index and a related interface table. It is necessary to alter the unique index for each table to include the columns to be used for processing. In addition, it is necessary to set each column included in the unique index to NOT NULL on the physical table; this must be done for both the base data table and the interface table.

After the unique index has been set for each base data table and interface table, the database administrator must use the Enterprise Performance Foundation table and column registration facility to do the following:

1. Register the new tables (this step applies only for tables that have not previously been registered).
2. Synchronize each of the base data tables.

**Note:** Synchronization is necessary whenever new tables are to be registered or there have been changes to a previously-registered table, and must be performed before defining or updating registration information. Newly added columns in a table will appear first in the Updating table display names and descriptions page after a synchronization.

3. Define the registration information for each of the base data tables (interface tables do not need to be registered).

Enterprise Performance Foundation supports the definition of user-defined tables. To be available for use, a user-defined table must have a synonym included in the APPS schema, and it must include the appropriate columns to be eligible for specific table classifications. Use the following SQL statement to define a synonym, where *USER\_DEF\_TABLE* represents the name of the table:

**Example**

```
CREATE SYNONYM APPS.USER_DEF_TABLE FOR FEM.USER_DEF_TABLE;
```

It is also possible to register fully updateable views.

With the exception of customer account tables, seeded tables cannot be modified. This means that you cannot add or remove columns from the FEM\_BALANCES or the FEM\_DATA1-20 tables.

For more information, see the following topics:

- Registering new tables, page 1-27
- Viewing table registrations, page 1-30

- Synchronizing table registrations, page 1-30
- Updating table display names and descriptions, page 1-31
- Updating table registrations, page 1-31
- Removing table registrations, page 1-31

## Registering new tables

You can register tables through the Table Registration Wizard. Click the **Register New Table** button on the Table Registration page to open the Table Registration Wizard.

**Important:** You must complete all of the steps in the Table Registration Wizard to register a table. If you do not complete all of the steps, the table registration is incomplete, and the table may not be recognized by other applications.

The Table Registration Wizard consists of the following steps:

- Step 1: Register New Table, page 1-27
- Step 2: Table Column Display Names, page 1-28
- Step 3: Table Processing Key, page 1-28
- Step 4: Interface Table Column Mappings, page 1-28
- Step 5: Table Classifications, page 1-29
- Step 6: Table Column Property Assignments, page 1-30

### Step 1: Register New Table

In the Register New Table step, do the following:

1. In the Schema box, use the search icon to select the schema that contains the table that you want to register.
2. In the Table Name box, use the search icon to select the name of the table that you want to register.
3. In the Table Display Name box, specify the display name for the table (the name for the table that is displayed application user interfaces).
4. In the Description box, specify a text description for the table.
5. Click the **Next** button to display the Table Column Display Names step

## Step 2: Table Column Display Names

In the Table Column Display Names step, you can specify display names, data types, and descriptions for columns. Use the appropriate fields to specify these values, noting the following:

- The system might have locked the information in one or more fields for certain columns to protect the integrity of tables; such fields cannot be updated.
- If you want to enable a column for use in application user interfaces, select the Enable field for that column. If you do not select the Enabled box, the column will not be displayed in application user interfaces, and it will not be available for use in any business rules.
- If you want to change the data type, select the desired data type from the drop-down list under CPM Data Type. Depending on the column definition in the underlying database, different choices are available for CPM Data Type.
- If you select **Dimension** as the CPM data type for a column, then you must supply a value for Dimension Name by selecting the dimension associated with the column.
- If you select **Term**, **Frequency**, or **Statistic** as the CPM data type for a column, then you must supply a value for UOM column display name by making a selection from the list of values that associates another column with the item that describes the unit of measure for the term, frequency, or statistic.
- If you are aggregating Account table balance columns to the Balances table, then you must set the column CPM Data Type to **Monetary Balance**. This enables currency conversion during aggregation.

When you have finished, click the **Save and Next** button to display the Table Processing key step.

## Step 3: Table Processing Key

In the Table Processing Keys step, use the drop-down box to select the unique index that represents the processing key for the table.

When you have finished, click the **Save and Next** button to display the Interface Table Column Mappings step.

## Step 4: Interface Table Column Mappings

For user-defined tables, you must specify the mappings between the columns in the base tables and the columns in the interface tables (the mappings are already defined for seeded tables). In the Interface Table Column Mappings step, specify the mappings for user-defined tables as follows:

1. In the Schema box, specify the schema that contains the interface table for which

you want to provide column mappings.

2. In the Table Name box, specify the name of the interface table for which you want to provide column mappings.
3. Click the **Go** button to display a list of column names.
4. For each base table column listed in the Column Name field, specify the interface table column that you want to map to that base table column by selecting the appropriate value in the Interface Column Name field.
5. Click the **Save and Next** button to display the Table Classifications step.

### Step 5: Table Classifications

Table classifications determine how tables are used in Enterprise Performance Foundation. Use the Table Classifications step to specify classifications for tables.

Move the classifications between the Available Classifications and Selected Classifications boxes as needed, so that only the classifications that you want to specify for the table are listed in the Selected Classifications box. You can move classifications between boxes by selecting one or more classifications and clicking the **Move** and **Remove** buttons, or you can move all classifications at once by using the **Move All** and **Remove All** buttons.

**Note:** The list in the Available Classifications box contains all of the valid table classifications. At a minimum, select the classifications that are pertinent to your purposes, based on the types of calculations to be performed on those tables. You must select at least one classification to successfully register the table, and additional classifications might be needed, depending on the features that will be used in the application.

If you want to specify a certain classification for a table but that classification does not appear in the Available Classifications box, do the following:

**Note:** For a table to qualify for the table classifications of ACCOUNT\_PROFITABILITY, FTP\_CASH\_FLOW, FTP\_NON\_CASH\_FLOW and FTP\_OPTION\_COST, the processing key must only have the columns of CAL\_PERIOD\_ID, DATASET\_CODE, SOURCE\_SYSTEM\_CODE, ID\_NUMBER defined. If extra columns are included, the table will not qualify for these classifications.

1. Click the **Other Classifications** button to display the Other Classifications page, which provides a list of all classifications.
2. On the Other Classifications page, find the desired classification and expand the

entry so that you can see which classification requirements are missing, thus preventing the table from appearing as an available classification.

3. Return to the Table Classifications step and complete the Table Registration Wizard.
4. Correct the problem by supplying any missing classification requirements.
5. Synchronize the table registrations.  
For further information, see *Synchronizing table registrations*, page 1-30.
6. Run the Table Registration Wizard again and specify the desired classifications in the Table Classifications step.

When you have finished your work in the Table Classifications step, click the **Save and Next** button to display the Table Column Property Assignments page.

### Step 6: Table Column Property Assignments

In the Property box in the Table Column Property Assignments step, do one of the following:

- Select **Mapping Input Property** if you want the columns in the table to be listed in the Initial Data Source section on the Update Formula page for mapping rules.
- Select **Mapping Output Property** if you want the columns in the table to be listed in the Debit and Credit sections on the Update Formula page for mapping rules.

Use the **Add Columns** button to add additional columns.

To delete a column, click the **Delete** icon for that column.

When you have finished, click the **Finish** button to complete the Table Registration Wizard.

### Viewing table registrations

You can search for and display existing table registrations through the Table Registration page. To display an existing table registration, specify the name of the table in the Table Name box and click the **Go** button.

### Synchronizing table registrations

Whenever you make any changes to a registered table, you must synchronize the registration for the table (that is, reread the table so that Enterprise Performance Foundation can recognize and incorporate the changes) before making any updates related to the table.

Use the following procedure to synchronize a table registration:

1. On the Table Registration page, display the table for which you want to

synchronize the registration.

2. Click the **Synchronize** icon for the table.

### Updating table display names and descriptions

Use the following procedure to update the display name and description for a table:

1. On the Table Registration page, display the table that you want to update.
2. Click on the name of the table to display the Update Table Display Name page.
3. Make any desired changes to the table name and description.
4. Click the **Apply** button to apply the updates.

### Updating table registrations

Use the following procedure to update a table registration:

1. On the Table Registration page, display the table that you want to update.
2. Click the **Update** icon for the table to open the Update Table Registration Wizard.  
The steps in the Update Table Registration Wizard are the same as Steps 2 through 6 in the Table Registration Wizard. For further information, see Registering new tables, page 1-27.

### Removing table registrations

You can remove the registration for a table so that the table is no longer available in Enterprise Performance Foundation.

**Important:** If a rule refers to a table for which you remove the registration, the rule will no longer be valid.

Use the following procedure to remove a table registration:

1. On the Table Registration page, display the table for which you want to remove the registration.
2. Click the **Remove Registration** icon for the table, then choose **Yes** in response to the confirmation prompt.

### Performing Dimension Administration Tasks

Through the Dimension Administration page, you can display a list of dimension maintenance tasks for a specified dimension. For each task, the Dimension

Administration page shows when and by whom the last update was made, and indicates the status. The status icons are as follows:

- A solid square indicates that the task has not been completed or is in the system installation default state.
- A check mark indicates that the task has been completed.

For further information, see the following topic:

- Specifying dimension and column display names, page 1-32

### Specifying dimension and column display names

You can make changes to the display names for dimensions and columns to make the names more user-friendly.

Use the following procedure to specify dimension and column display names:

1. In the Dimension box on the Dimension Administration page, select the dimension for which you want to specify display names and click the **Go** button.
2. Click the **Go To Task** icon for the Dimension Display Names task.
3. On the Dimension Column Display Names page, make any desired changes to the dimension display name and the column display names.
4. Click the **Apply** button to apply the changes that you have specified.

### Specifying dimension properties

You can change the dimension properties for a dimension, as follows:

1. In the Dimension box on the Dimension Administration page, select the dimension for which you want to specify properties and click the **Go** button.
2. Click the **Go To Task** icon for the Dimension Properties task.
3. On the Dimension Properties page, make any desired changes to the dimension properties, as follows:
  - Select **Line** for the dimension type if you want to associate the dimension with particular predefined attributes in an application.

For example, if the dimension is to be used in Enterprise Planning and Budgeting and you want to be able to specify which members are to be loaded or defined in calculations in business processes, select **Line** as the dimension type (no more than one dimension can have **Line** as the dimension type within a single business area in Enterprise Planning and Budgeting).

- Select **Other** for the dimension type if you do not need to associate the dimension with particular predefined attributes in an application.
4. Click the **Apply** button.

## Defining Processing

You can define the conditions and different sets of tuning options for rules in an Oracle Financial Services application. These conditions and tuning options are used by the processing engines.

### Related Topics

Setting Up Conditions, page 1-33

Creating and Updating Tuning Options, page 1-34

Overview, page 1-2

## Setting Up Conditions

A condition is an object that is used to select data for use as input to a business rule. See:

- About Conditions, *Oracle Enterprise Performance Foundation User's Guide*.
- Creating Conditions, page 1-33.

### Related Topics

Creating Conditions, page 1-33

Standard Navigation Paths, page A-1

Defining Processing, page 1-33

## Creating Conditions

Use the following procedure to create a condition:

1. On the Conditions page, click the **Create** button.
2. On the Step 1: Condition Rule Details page, do the following:
  1. In the Folder box, select the folder in which you want to save the condition.
  2. In the Condition Name box, specify the name for the condition.
  3. If you want to provide a text description for the condition, type the description

in the Description box.

4. Specify the access rights for the condition. If you want all users other than yourself to have read-only access rights, so that they can view the condition but cannot update or delete it, select **Read**. If you want all other users to have read and write access rights, so that they are able to view, update, and delete the condition, select **Read/Write**.
  5. Click the **Continue** button to display the Step 2: Condition Definition page.
3. On the Step 2: Condition Definition page, do the following:
    1. In the Version Details section specify the name, start date, end date, and (optionally) a text description for this version of the condition.
    2. If you want to specify a dimension component, click the **Dimension Components** button.

For further information, see *Working with Dimension Components, Oracle Enterprise Performance Foundation User's Guide*.
    3. If you want to specify a data component, click the **Data Components** button.

For further information see *Working with Data Components, Oracle Enterprise Performance Foundation User's Guide*.
    4. Click **Finish** to create the condition or version.

## Creating and Updating Tuning Options

The Process Tuning Options page displays sets of multiprocessing options, or rules, that affect the manner in which the processing engines function. You can use these rules to tune the performance of the engines, according to the tuning options that you define for the rules or rule types.

### Procedure

1. Navigate to the Process Tuning Options page.
2. Click Create Tuning Options.
3. In the Tuning Option> Assignment Level page, select the options and click Continue to open the Update Tuning Options page.
4. Click Update to open the Multi-processing: Parameters page, if you want to update the tuning parameters, else click Return to Selector to return to the Process Tuning Options page.

1. Select the options and click Next to open the Multi-processing: Data Slicing Columns page.
2. Select the columns. Click Add Another Row, if you want to set up a new column for processing, else click Apply to return to the Update Tuning Options page.

See: Working with Process Tuning Options, *Oracle Enterprise Performance Foundation User's Guide*.

## Related Topics

Standard Navigation Paths, page A-1

Defining Processing, page 1-33

## Configuring Reporting

Oracle Financial Services (OFS) applications use the Oracle Discoverer application to run reports. Oracle Discoverer's powerful and intuitive user interface enables you to find data that you know is in the database, access data quickly without waiting for the computer to search through the entire database, and view data in a familiar spreadsheet-style format that is easy to read and understand. Configuring reporting involves the following steps:

- Setting up Discoverer End User Layer user interface for customized views.
- Configuring dimensions in the End User Layer.
- Configuring the Discoverer user interface to prevent general page caching. Set the configuration option `include_expiration_tags` to true to ensure that Discoverer retrieves the reports properly by fetching current results and does not simply display cached data.

## Procedure

See:

- *Oracle Business Intelligence Discoverer Administration Guide*.
- *Oracle Financial Services Reporting Administration Guide*.
- *Oracle Application Server Discoverer Configuration Guide*

## Related Topics

Overview, page 1-2

## Customizing Home Page

You can access the home page in a Oracle Financial Services application by clicking the home page tab. The home page provides you the facility of customizing names and other such information as well as giving links to other files.

### Procedure

1. Navigate to the Customize Home page.
2. Enter the system name. The system name is displayed in the Ownership area of the Home Page.

**Note:** The system name you enter updates the FEM: Application Code profile option at the site level, so the given system name applies to all OFS applications. If you have multiple OFS applications that use Oracle Enterprise Performance Foundation (FEM), then you must set the profile option at the application level for each OFS application. See: Setting Profile Options, page 1-5.

3. Enter heading text.
4. Enter informational content. You can use standard HTML commands or plain text.
5. Click Add New Heading or Link in the Shortcuts Area to create links to files.
  1. Select the heading or link type.
  2. Enter the heading or link name.
  3. Enter the URL location.

### Related Topics

Standard Navigation Paths, page A-1

Overview, page 1-2

## Configuring Workflow

Oracle Transfer Pricing and Profitability Manager use Oracle Workflow for notifications. Workflow can be used to notify users about changes to system parameters such as modifications made to processing keys. For a list of notifications to which users

can subscribe, see: About Workflow Notifications, *Oracle Profitability Manager User's Guide*.

For more information, see the *Oracle Approvals Management Implementation Guide* and the *Oracle Workflow Administrator's Guide*.

## Related Topics

Standard Navigation Paths, page A-1

Overview, page 1-2

## Setting Up Security Folders

Oracle Financial Services (OFS) applications, such as Transfer Pricing and Profitability Manager, administration includes a function to create security folders and grant users access to them. Folders provide security by hiding rules from users who lack access, or blocking edit from users with read-only rights. The Oracle Financial Services (OFS) applications are seeded with two folders: Default and Data Integration. You can define additional folders.

You must give access to both of the seeded folders to Database Administrators who will be using dimension loader and hierarchy loader concurrent programs. The administrators must be added to the folders before they submit the concurrent programs.

You must also give all Oracle Financial Services (OFS) applications users access to the Default folder, as well as to other folders that they will share.

For information about working with security folders, see: Working with Security Folders, *Oracle Enterprise Performance Foundation User's Guide*.

## Related Topics

Standard Navigation Paths, page A-1

Overview, page 1-2



---

# Oracle Transfer Pricing Implementation

This chapter describes the implementation steps specific to the Oracle Transfer Pricing application.

This chapter covers the following topics:

- Oracle Transfer Pricing Implementation Overview
- Confirming Oracle Transfer Pricing Table Classification Assignments
- Confirming Oracle Transfer Pricing Table Column Property Assignments
- Defining a Line Item Hierarchy
- Loading Data Using Web ADI

## Oracle Transfer Pricing Implementation Overview

Oracle Transfer Pricing implementation is similar to that of other Oracle Financial Services applications. You need to follow all the common implementation steps. See: *Implementing Oracle Financial Services Applications*, page 1-2.

In addition, you need to complete the following implementation steps:

- Confirm Oracle Transfer Pricing (FTP) Table classification assignments. See: *Confirming Oracle Transfer Pricing (FTP) Table Classification Assignments*, page 2-2.
- Confirm Oracle Transfer Pricing (FTP) Table Column Property Assignments. See: *Confirming Oracle Transfer Pricing Table Column Property Assignments*, page 2-2.
- Build one or more Line Item hierarchies if you intend to build hierarchical assumption rules (such as Transfer Pricing, Prepayment, or Adjustments rules). See: *Defining a Line Item Hierarchy*, page 2-3.
- Load data and parameters for interest rate codes, optionally using Web ADI.

See: Loading Data Using Web ADI, page 2-4.

## Confirming Oracle Transfer Pricing Table Classification Assignments

Oracle Transfer Pricing (FTP) requires that each account table included in a transfer pricing process is registered and assigned an appropriate FTP table classification. The seeded table classifications are as follows:

- **Transfer Pricing Non Cash Flow:** This assignment allows transfer pricing processing with only Non Cash Flow Transfer Pricing methods.
- **Transfer Pricing Cash Flow:** This assignment contains all of the columns included in the Transfer Pricing Non Cash Flow assignment plus all of the columns required for cash flow processing. This assignment supports all transfer pricing Methods.
- **Break Funding:** This assignment requires three new columns in addition to the standard columns required for the Transfer Pricing Cash Flow table classification. This assignment supports Breakage Charge adjustments type.
- **Transfer Pricing Option Cost:** This assignment contains all of the columns included in the Transfer Pricing Cash Flow plus all of the Option Cost calculation result columns. This assignment is required if you plan to run the Option Cost calculations.

Each of these FTP table classifications require a fixed set of seeded columns that cannot be modified. For consistency, each of the seeded customer account tables contains the full set of required columns for each of the seeded FTP table classifications. If you create user-defined customer account tables, you are not required to include all of the columns for all of the FTP table classifications. However, you should be aware of the minimum column requirements related to each of these table classifications and include those columns that correspond to the type of processing you are planning.

For further details on registering tables and table classification assignments see: Performing Table and Column Registration Tasks, page 1-25.

### Related Topics

Standard Navigation Paths, page A-1

Oracle Transfer Pricing Implementation Overview, page 2-1

## Confirming Oracle Transfer Pricing Table Column Property Assignments

Oracle Transfer Pricing (FTP) requires that each account table column used for alternate rate output mapping in a transfer pricing process be registered with a column property assignment appropriate to the result type. See: Alternate Rate Output Mapping Rules, *Oracle Transfer Pricing User Guide*.

The following table describes the column property assignments for the different types of transfer pricing results:

<b>Column Property Assignments</b>	<b>Related Columns</b>
Transfer Pricing Transfer Rate Property	Columns with this property are available for Transfer Rate, Matched Spread, and Remaining Term Transfer Rate alternate output.
Transfer Pricing Option Cost Property	Columns with this property are available for Historic Option Adjusted Spread, Historic Static Spread, Current Option Adjusted Spread, and Current Static Spread alternate output.
Transfer Pricing Adjustment Spread Property	Columns with this property are available for Other Adjustment Rate alternate output.
Transfer Pricing Adjustment Amount Property	Columns with this property are available for Other Adjustment Amount alternate output.

For further details on table column property assignments, see: *Performing Table and Column Registration Tasks*, page 1-25.

## Related Topics

Standard Navigation Paths, page A-1

Oracle Transfer Pricing Implementation Overview, page 2-1

Alternate Rate Output Mapping Rules, *Oracle Transfer Pricing User Guide*

## Defining a Line Item Hierarchy

Set up a Line Item dimension, a single product dimension, and define a Line Item hierarchy before setting up Oracle Transfer Pricing business rules such as the Transfer Pricing and Prepayment rules.

Setting up the Line Item dimension and defining a Line Item hierarchy lets you organize your product portfolio in a hierarchical structure and define parent-child relationships among different nodes of your product hierarchies. This lets you define node level assumptions for transfer pricing your product portfolio. Children of parent nodes on a hierarchy automatically inherit the methodology assumptions defined for the parent node. Node Level Assumptions significantly reduce the amount of work required to define transfer pricing and prepayment assumptions for your product portfolio. See: *About Dimension and Hierarchy Management, Oracle Enterprise Performance Foundation User's Guide*.

## Related Topics

Standard Navigation Paths, page A-1

Oracle Transfer Pricing Implementation Overview, page 2-1

## Loading Data Using Web ADI

The Web ADI functionality complements the Oracle Transfer Pricing user interface. It is designed to allow Microsoft Excel-based data entry of historical interest rate and parameter information.

## Prerequisites

- Predefined Interest Rate Codes

## Procedure:

1. Navigate to the Interest Rate Codes home page.
2. Click Load Data corresponding to the Interest Rate Code for which you want to load data.
3. Select the type of data, Historical Rates or Parameter, you want to load.

**Important:** The data type determines the columns that will be available on the Web ADI spreadsheet.

4. Select the required effective date range.

**Important:** You can load Web ADI based rates only from an empty spreadsheet.

5. Click Launch Worksheet to invoke Web ADI.

6. Create new record by entering the effective date and associated data.

**Important:** In the spreadsheet, the IRC term points are reflected generically such as Term 1, Term 2, and Term 3. Consequently, you should input data in the correct chronological order to ensure that rates are uploaded appropriately. For reference, the IRC term structure is documented in the contextual area at the top of the

spreadsheet. Web ADI allows you to edit the column descriptions to reflect the appropriate term point description. For example, you can change 'Term 1' to '1 D' for informational purposes and save the spreadsheet, along with this edit, locally for future use.

7. Select Upload on the Oracle menu of the spreadsheet.

The system performs data validations and the Interest Rate Code home page is displayed.

**Important:** The Web ADI rate loader does not restrict you from loading rates for an effective date that already exists in the database. The new rates will overwrite the existing rates. The assumption made is that these rates will be the same for any given effective date. In addition, the Web ADI rate loader allows you to input more than one row with the same effective date for a given IRC in the spreadsheet. In this case, the first occurrence of the effective date is loaded and any subsequent occurrences of the same effective date are ignored.



---

# Oracle Profitability Manager Implementation

This chapter describes the implementation steps specific to the Oracle Profitability Manager application.

This chapter covers the following topics:

- Oracle Profitability Manager Implementation Overview
- Pre-Implementation Considerations
- Specify Input and Output Columns for Mapping
- Working with Composite Dimensions (Activity and Cost Object)
- Set Up Statistics
- Working with Statistic Definitions
- Working with Column Population Templates

## Oracle Profitability Manager Implementation Overview

Oracle Profitability Manager implementation is similar to that of other Oracle Financial Services applications. You need to follow all the common implementation steps. See: *Implementing Oracle Financial Services Applications*, page 1-2.

In addition, you need to follow these Oracle Profitability Manager implementation-specific steps:

- Set Up Security Folders. See: *Setting Up Security Folders*, page 1-37.
- Specify Input and Output Columns for Mapping, page 3-3.
- Set Up Oracle Workflow. See: *Configuring Workflow*, page 1-36.
- Set up Composite Dimensions. See: *Working with Composite Dimensions (Activity and Cost Object)*, page 3-6.

- Set Up Statistics, page 3-8.  
See also: Working with Statistic Definitions, page 3-8.
- Specify Column Population template. See: Working with Column Population Templates, page 3-11.

## Pre-Implementation Considerations

Prior to implementing Profitability Manager, give careful consideration to the following:

- Data sources (both Oracle and non-Oracle).
- Dimensions to be used. The application comes with a set of predefined dimensions and 10 user-defined dimensions. Note that if you intend to use Activity-Based Management functions, certain dimensions are required. For more information, see "Working with Composite Dimensions (Activity and Cost Object)", page 3-6.

**Note:** Profitability Manager no longer requires the same dimensionality or processing keys on all user data tables. This means that it is possible that Transaction tables or Account tables may have dimension columns that are not populated with a value. Be mindful of this fact when designing processing keys for tables. When a user maps data from an Account table to the FEM\_BALANCES table, he or she is responsible for supplying dimension values for dimension columns that are NULL in the source table but are part of the processing key in the target table and are designated NOT NULL.

- Tables to be used. Profitability Manager leverages fact tables seeded in the Enterprise Performance Foundation, including a seeded ledger and other tables to support profitability analysis, activity-based management functions, and data loading. Some examples follow:
  - Ledger: FEM\_BALANCES
    - Account: FEM\_MORTGAGES, FEM\_CONSUMER\_LOANS
    - Transaction: FEM\_TRANS\_CREDIT\_CARDS, FEM\_TRANS\_MORTGAGES
    - Lookup Statistic: FEM\_ORG\_STATS, FEM\_CRNCY\_STATS
    - Data Loading: FEM\_BAL\_INTEFACE\_T, FEM\_MORTGAGES\_T

You can also define your own tables. Note that all tables must be properly

registered. For more information, see "Register Tables and Columns", *Oracle Profitability Manager User's Guide*.

- Naming conventions. Users will be selecting objects such as folders, conditions, and business rules in the Profitability Manager interface. They must be able to clearly identify available options.
- Processing frequency.
- Calendar periods needed.
- Financial reporting conventions.
- Financial reporting requirements.

## Specify Input and Output Columns for Mapping

Mapping rules perform calculations for allocation of income statement and balance sheet items and enable cost object mapping to activity rates, direct expenses, and activity costs. As part of table registration, you must specify Input/Output columns for tables selected for mapping.

Input columns are used by mapping rules to identify which columns act as sources for dimension values. Output columns are used to identify which columns can act as targets for dimension values. Output columns must also appear in the processing key (The processing key is also the primary key for the table. Requiring output columns to be in the processing key guarantees that all rows written by the Common Calculation Engine capture all dimension values written for any output column).

When a column is defined as a Mapping Output column on a table, a line for that column will appear on any mapping rule Debit or Credit which uses that table (the column description is used, which normally corresponds to the name of the dimension attached to the column). That line minimally allows a user to set a specific dimension value for that column on output. If a column which corresponds to the same dimension is defined as a Input column on a table used in either a Source or Percentage mapping formula type, then the mapping rule Debit or Credit will also contain a *Same As* entry for the dimension.

For more information about mapping rules, see "About Mapping Rules", *Oracle Profitability Manager User's Guide*.

## General Rules for Defining Mapping Input and Output Columns

Mapping input columns are columns which:

- Exist on the registered table.

- Are value set enabled (with the exception of currency code).
- Are active and have not been disabled.
- Are not special handling columns.

Mapping Input columns do not have to be included in the processing key for the table.

Special handling columns and non-value set enabled columns include the following:

- Cal Period ID
- Dataset Code
- Ledger ID
- Source System Code
- ID Number
- Created by Object ID
- Activity ID
- Cost Object ID
- Created by Request ID
- Creation row sequence
- Currency type code
- Last updated by object ID
- Last updated by request ID
- All balance or rate columns (You select the input column as part of the mapping rule.)

These rules are valid for Balance, Transaction and Account tables.

Mapping Output columns are columns which:

- Exist on the registered table.
- Are included in the processing key.
- Are active.
- Are not a special handling column, as previously defined.

All columns in the processing key for FEM\_BALANCES must be defined as mapping output columns.

Mapping output columns are not applicable for Customer Account Profitability tables.

The additional columns in the processing key for Customer Transaction Profitability tables (i.e. the "Transaction" dimension) are also required to be a mapping output column.

## Examples: Mapping Input and Output Columns

Following are examples for mapping Input and Output columns.

### Example 1: Financial Element, Simple Source On Allocation Mapping Rule

Assume the following mappings for Input and Output columns:

- Financial Element is defined as an Output column on FEM\_BALANCES.
- Financial Element is not defined as an Input column on Mortgages.
- A Mapping rule is defined which specifies Mortgages in the Source and FEM\_BALANCES in the Debit.

You would expect to see the following in the Debit of the Mapping rule:

- A line for Financial Element.
- The drop-down for Financial Element only allows the user to specify a specific dimension value for Financial Element.

### Example 2: Product, Simple Source On Allocation Mapping Rule

Assume the following mappings for Input and Output columns:

- Product is defined as an Output column on FEM\_BALANCES.
- Product is defined as an Input column on Mortgages.
- A Mapping Rule is defined which specifies Mortgages in the Source, and FEM\_BALANCES in the Debit.

You would expect to see this in the Debit of the Mapping rule:

- A line for Product.
- The drop-down for Product allows the user to specify either a specific dimension value for Product, or Same As Source for Product.

### Example 3: Financial Element, Percentage Distribution Mapping Rule

Assume the following mappings for Input and Output columns:

- Financial Element is defined as an Output Column on FEM\_BALANCES.
- Financial Element is defined as an Input Column on FEM\_BALANCES.
- Financial Element is not defined as an Input Column on Mortgages.
- A Mapping Rule is defined which specifies FEM\_BALANCES in the Driver and Debit, and Mortgages in the Source.

You would expect to see this in the Debit of the Mapping Rule:

- A line for Financial Element.
- The drop-down for Financial Element allows the user to specify either a specific dimension value for Financial Element, or Same As Pct for Financial Element.

## Working with Composite Dimensions (Activity and Cost Object)

Activity and Cost Object are composite dimensions, comprised of other dimensions. If your organization will be using Activity-Based Management functions, you must set up these dimensions.

You must have the Profitability Manager with Activity-Based Management - Administrator responsibility to set up composite dimensions.

Give careful thought to composite dimension definitions. Once set up, they are frozen and cannot be edited.

## Setting Up the Activity Dimension

The Activity dimension holds repeatable tasks in relation to other dimensions such as Organization, Channel, Customer, and so forth. For example, the activity of "depositing a check" is the act of "depositing" applied to an acted upon item — in this case, a check.

You set up the Activity dimension by specifying its component dimensions. Task is a required component. You can optionally include any of the other dimensions in the FEM\_BALANCES table. For example, if a company performs the same task across many departments, you would specify the Task and Company Cost Center Organization dimensions as the definition for the Activity dimension.

**Note:** Ensure that the processing key of the FEM\_BALANCES table includes all of the component dimensions that you specify for the Activity dimension definition. If they are not included, then Activity rules will fail.

Follow these steps to set up the Activity dimension.

1. Access Profitability Manager with the Profitability Manager with Activity-Based Management - Administrator responsibility.
2. Navigate to Administration > Registration.
3. On the Registration tab, choose **Activity and Cost Object Definition**.  
The Composite Dimension Definition page opens.
4. Click the **Activity** link.  
The Activity Dimension Definition page opens. Available component dimensions are listed in the Available box.
5. Click **Update** to enable dimension selection.
6. Select dimensions from the Available box and move them to the Selected box. At minimum, you must choose the Task dimension.
7. Click **Freeze** to finalize the dimension definition.

## Setting Up the Cost Object Dimension

Cost Objects are multi-dimensional entities that describe a cost. The intersection of component dimensions such as Organization, Product, and Customer results in the creation of a composite dimension that uniquely identifies a Cost Object.

You define the Cost Object dimension by specifying its component dimensions. Financial Element and Ledger are required components. A third dimension of your choice is also required. For example, if you want to define cost objects based on your product master, you would include Financial Element, Ledger, and Product as the definition for the Cost Object dimension.

Once you are satisfied with the dimension definition, you freeze it. Thereafter, you can only view the definition.

**Note:** Ensure that the processing key of the FEM\_BALANCES table includes all of the component dimensions that you specify for the Cost Object dimension definition. If they are not included, then the Cost Object Unit Cost rule will fail.

Follow these steps to set up the Cost Object dimension.

1. Access Profitability Manager with the Profitability Manager with Activity-Based Management - Administrator responsibility.
2. Navigate to Administration > Registration.

3. On the Registration tab, choose **Activity and Cost Object Definition**.  
The Composite Dimension Definition page opens.
4. Click the **Cost Object** link.  
The Cost Object Dimension Definition page opens. Available component dimensions are listed in the Available box.
5. Click **Update** to enable dimension selection.
6. Select dimensions from the Available box and move them to the Selected box. You must choose Financial Element, Ledger, and at least one other dimension.
7. To finalize the dimension definition, click **Freeze**.

## Set Up Statistics

The Profitability Manager mapping function includes a Retrieve Statistic formula type. This formula multiplies source data by reference values sourced from a statistic table. You must set up the statistics that will be used in this formula.

You define a statistic by designating a table as a lookup or statistics table, then designating the columns to be used as lookup fields. One or more dimensions from a FEM data table can be used in the lookup process, providing single or multiple dimension lookups.

For more information, see "Working with Statistic Definitions", page 3-8.

## Working with Statistic Definitions

When users define a Retrieve Statistic formula type for a mapping rule, they choose a Statistic. The Statistic definition is composed of a lookup table selection and a specification that joins the table's columns to columns in a Profitability table. The lookup columns can be joined directly. Alternatively, they can be set to a constant value to provide a way to define the lookup rows relevant to the statistic.

When the mapping rule runs, rows from the initial data source that match the lookup key columns will be processed, and the value in the row that is designated as the Lookup Return Column will be used as the Retrieve Statistic value.

## About Creating a Statistic

To create a Statistic, you choose the source table, specify a Statistic lookup table, and join the source table to it.

**Note:** The source table must correspond to the Input Data Source for

the mapping rule that will use the statistic (See "Mapping Rule Formula Type: Retrieve Statistic" , *Oracle Profitability Manager User's Guide*). The lookup table must be classified as a Statistic classification type using the Administration > Table Registration function.

You then specify how the columns in the lookup table will be used in the lookup. If a lookup table column is part of the lookup key, the Join With column is set to Source Table Column and the Value column contains the source table dimension that will be included in the lookup key. If a lookup table column is not part of the lookup key, you set the Join With column to Constant Value and enter the constant value that is common for all lookup rows in the lookup set within the lookup table.

Designate the Lookup Column name in the list of values. You can apply a condition to filter the rows in the lookup table that will be available to the Statistic lookup set. For example, if you want to match rows in the source table to rows in the lookup table by Ledger and by Company Cost Center Organization, you would set those two lookup table columns to join with the matching columns in the source table (Dataset and Company Cost Center Organization). Assuming that you gather statistics yearly, you would not want to look up Calendar Period, so you would set the Calendar Period lookup table column to the Constant Value that equals the date that the statistic rows were gathered in the lookup table.

**Note:** The lookup column on the statistic table must be classified as a CPM data type of Statistic, Monetary Balance or Rate.

## Creating a Statistic

Follow these steps to create a Statistic.

1. Access Profitability Manager with the Activity-Based Management responsibility or the Profitability Manager responsibility.
2. Navigate to Business Rules > Statistics.  
The Statistics page opens.
3. Click **Create**.
4. In the Create Statistic area, identify the statistic.
  - Enter a name.
  - Choose the Lookup Table. Only tables that have been registered as Statistic classification type are available.
  - Choose the Source Table. Your selection should depend on the mapping rule

that will use this statistic. Note that when a user chooses a Statistic, only those Statistics that have been defined for the initial data source selected for the rule will be available.

5. In the Join Tables area, specify how to join to each column in the lookup table to the source. Select a join option: Source Table Column or Constant Value.
  - **Source Table Column** — Specifies the source column that is part of the lookup key.
  - **Constant Value** — Specifies a value that is a constant and that helps define the lookup set.

Populate the Value field with either the Source Table Column name or the Constant Value.
6. In the Lookup Return column, choose the column that contains the value that will be returned to the mapping rule when the lookup key is found.
7. (Optional) Apply a condition to filter the data.
8. Click **Apply**.

## Updating a Statistic

Once a rule version that uses a Statistic has been run, the Statistic is locked for that rule. However, the Statistic can be used in new rules and versions. Note that you can also add data to the underlying lookup table. However, if the non-lookup columns were to change, you would have to duplicate the Statistic before you could include it in the new rule version.

Follow these steps to update a Statistic for a rule that has not been run.

1. Navigate to Administration > Registration > Statistics.

The Statistics page opens.
2. Search for a Statistic. You can search by Name, Source Table, Lookup Table, and Source column. Use % as a wildcard.

The list displays Statistics that match your criteria.
3. Identify the Statistic to update and click its **Update** icon.
4. You can modify the name and description. You can also modify information for join columns, lookup return columns, and condition.
5. Click **Apply**.

## Duplicating a Statistic

Duplicating a Statistic allows you to quickly create a Statistic definition based on an existing definition.

Follow these steps to duplicate a Statistic.

1. Navigate to Administration > Registration > Statistics.  
The Statistics page opens.
2. Search for a Statistic. You can search by Name, Source Table, Lookup Table, and Source column. Use % as a wildcard.  
The list displays Statistics that match your criteria.
3. Identify the Statistic to duplicate and click its **Duplicate** icon.
4. Enter a name and description for the new Statistic.
5. Click **Apply**.

## Deleting a Statistic

You can delete a Statistic before a Retrieve Statistic mapping rule that contains the Statistic has run. Once a rule has run, the Statistic is locked and cannot be deleted.

Follow these steps to delete a Statistic.

1. Navigate to Administration > Registration > Statistics.  
The Statistics page opens.
2. Search for a Statistic. You can search by Name, Source Table, Lookup Table, and Source column. Use % as a wildcard.  
The list displays Statistics that match your criteria.
3. Identify the Statistic to delete and click its **Delete** icon.  
You are prompted to confirm the deletion.

## Working with Column Population Templates

When users run an Account Consolidation rule or a Profit Aggregation rule, they select a Column Population template. For account consolidation, the Column Population template specifies how the columns in the source Account table will map to the target FEM\_CUSTOMER\_PROFIT table. For a Profit Aggregation rule, the Column Population template specifies how balance columns will aggregate; it is run from the FEM\_CUSTOMER\_PROFIT table to the FEM\_CUSTOMER\_PROFIT table itself.

You must define a Column Population template for each Account table. Provide a name and description that will make it clear to users which template they are choosing when building Account Consolidation and Profit Aggregation rules.

Some columns are assigned automatically and are designated as System Reserved Column Mappings. Other columns may be added as User Defined Column Mappings. You must populate all required columns in the template.

When specifying a Column Population template for account consolidation, you must include the Business Relationship column, which should be mapped as an Attribute Lookup. (Business Relationship is a required attribute for the Customer dimension.)

**Note:** Each table and column that you specify in the Column Population Template must be registered.

## Creating a Column Population Template

Follow these steps to create a Column Population template.

1. Access Profitability Manager with the Profitability Manager Administrator or the Profitability Manager with Activity-Based Management - Administrator responsibility.
2. Navigate to Administration > Registration.
3. On the Registration tab, choose **Column Population Template**.  
The Column Population Template Rules selector opens.
4. On the Column Population Template Rules page, click **Create**.  
A new Column Population Template Rule page opens.
5. Name and describe the Column Population template and specify the source table.
  - Choose a folder.
  - Enter a name.
  - (Recommended) Enter a description.
  - Specify the source table. If the template will be used within an Account Consolidation rule, this is an Account table. If the template will be used within a Profit Aggregation rule, this is the FEM\_CUSTOMER\_PROFIT table.
  - Specify the target table. This is always FEM\_CUSTOMER\_PROFIT.
6. Click **Continue**.

The Column Template Version page opens.

7. On the Column Population Template Version page, identify the template version.
  - Enter a version name.
  - Specify Effective Start Date.
  - Specify Effective End Date.
  - (Recommended) Enter a description.

8. Click **Continue**.

The Column Population Template Details page opens.

9. In the User Defined Column Mappings section, map source to target columns.

In the Population Method field, choose the population method for a column. Source columns and Lookup columns must match. You can choose one of the following:

- **Constant VARCHAR** — Enables you to set a specific character value in the Target column. Selecting this option activates the Constant column where you enter the value you want to use in all rows transferred from the source table.
- **Constant Date** — Enables you to set a specific date value in the Target column. Selecting this option activates the Constant column where you enter the value to use in all rows transferred from the source table.
- **Constant Number** — Enables you to enter a specific numeric value in the Target column. Selecting this option activates the Constant column where you enter the value to use in all rows transferred from the source table.
- **Source Column** — Enables you to identify the column that contains data to move to the Target column and specify an aggregation method (see Step 10).
- **Attribute Lookup** — Enables you to identify a dimension attribute that contains the data to move to the Target column. Selecting this option activates three columns: Source Column, Attribute Name and Attribute Version. Choose the Source Column from the list of dimension columns in the source table. Then use the list of values to choose the attribute that contains the value that you want to migrate to the Target column. Choose the Attribute Version from the third list of values.
- **Unassigned** — Designates a column that you do not want to map.

**Note:** When specifying a Column Population template for

account consolidation, you must include the Business Relationship column, which is listed under Target column, and should be mapped as an Attribute Lookup. Choose **Attribute Lookup** as the Population Method.

10. If you chose Source Column (Step 9) and the template will be used for a Profit Aggregation rule, specify an aggregation method. Choose one of the following:
  - Min — Returns the lowest amount for a customer
  - Max — Returns the highest amount for a customer
  - Sum — Sums up all records for a customer
  - None — Does not aggregate

**Note:** The aggregation methods Average balance, Average Net Rate Over a Period, Average by Days Weighted, Beginning, and Last are not currently supported.

If the template will be used for an Account Consolidation Rule, choose **None** as the aggregation method.

11. Click **Preview Population** to view results.
12. Click **Finish**.

## Updating a Column Population Template

You can update a Column Population template. Follow these steps.

1. Navigate to Administration > Registration > Column Population Template.
2. Search for the Column Population Template to update. Choose a folder, then enter % to see all templates or enter text and use % as a wildcard. You can also search using Effective Date.

The list displays templates that match your criteria.

3. To modify the template name or description, click its **Update** icon.
4. To update a rule version, proceed as follows:
  - Display versions by clicking the + icon in the Rule Name column.

- Identify the version to update and click its **Update** icon.
  - You can modify version details (Version Name, Effective Start Date, Effective End Date, description).
  - You can modify rule details.
5. To update a template version, proceed as follows:
    - Display versions by clicking the + icon in the Name column.
    - Identify the version to update and click its **Update** icon.
    - You can modify version details (Version Name, Effective Start Date, Effective End Date, description).
    - You can modify population information for one or more columns.
  6. Click **Apply**.

## Duplicating a Column Population Template

Duplicating a Column Population Template allows you to quickly create a new template or template version.

When you duplicate a version, it is added to the list of versions for the template. When you duplicate the template and version, the template and version are displayed as new entities in the list of templates.

**Note:** When duplicating a version, you must specify an effective date range that does not conflict with the existing version.

Follow these steps to duplicate a template or template and template version.

1. Navigate to Administration > Registration > Column Population Template.
2. Search for the Column Population Template to duplicate. Choose a folder, then enter % to see all templates or enter text and use % as a wildcard. You can also search using Effective Date.

The list displays templates that match your criteria.

3. Search for the template to duplicate. Choose a folder, then enter % to see all rules or enter text and use % as a wildcard.

The list displays templates that match your criteria.

4. Display template versions by clicking the + icon in the Rule Name column.

5. Click the **Duplicate** icon for a version.  
The Duplicate Options page opens.
6. Choose a duplication option.
  - **Rule and Version** – Enables you to create a new template and version based on the template that you chose in Step 3.
  - **Version** – Enables you to create a new version of the template that you chose in Step 3.
7. Click **Continue**.
8. If you chose Rule and Version as the duplication option (Step 6), identify the template and the version. For rule enter a unique name and description. For version, enter a unique name, specify the Effective Start Date, and Effective End Date. You can also enter a description.  
  
If you chose Version as the duplication option (Step 6), identify the new version. Enter a unique name, specify the Effective Start Date, and Effective End Date. You can also enter a description.
9. Click **Finish**.

## Deleting a Column Population Template

You can delete a Column Population template. Follow these steps.

1. Navigate to Administration > Registration > Column Population Template.
2. Search for the Column Population Template to delete. Choose a folder, then enter % to see all templates or enter text and use % as a wildcard. You can also search using Effective Date.

The list displays templates that match your criteria.

3. Display versions by clicking the + icon in the Name column.
4. Identify the version to delete and click its **Delete** icon.

You are prompted to confirm the deletion.

## Viewing a Column Population Template

You can view a Column Population template. Follow these steps.

1. Navigate to Administration > Registration > Column Population Templates.

The Column Population Template page opens.

2. Search for Column Population templates. Choose a folder, then enter % to see all templates or enter text and use % as a wildcard. You can also search using Effective Date.

The list displays templates that match your criteria.

3. Proceed as follows:
  - Click the + icon for a rule to see rule versions.
  - Click the **Update** icon for a version to view template details.



---

## Standard Navigation Paths

This appendix gives you information to navigate through the pages referred to in this guide.

This appendix covers the following topics:

- Standard Navigation Paths

### Standard Navigation Paths

Although you may have customized your navigator, typical navigation paths are shown in this table. Access all of these pages through a Oracle Financial Services application responsibility.

Page	Navigation Path
Conditions	Business Rule > Condition
Customize Home	Administration > Setup > Customize Home
Data Inspector Rules	Business Rule > Data Inspector
Data Set Groups	Process Management > Data Set Groups
Dimension Administration	Administration > Registration > Dimension Administration
Dimension Members	Business Rule > Dimensions > Dimension Members
Global Value Set Combinations	Administration > Registration > Global Value Set Combinations

---

<b>Page</b>	<b>Navigation Path</b>
Interest Rate Codes	Business Rule > Interest Rate Codes
Object Registration	Administration > Registration > Object Registration
Process Tuning Options	Administration > Process Tuning Options
Value Set	Administration > Registration > Value Sets

---

---

# Index

## A

---

Activity dimension  
description of, 3-6  
setting up, 3-7

administration  
dimensions, 1-31  
table and column registration, 1-25

aggregation method, 3-14

application preferences  
data set group, 1-19  
*See also* data set groups

default ledger, 1-19

defining, 1-19

effective date, 1-19

period, 1-19

security folder, 1-19

attribute lookup, in column population template, 3-13

## B

---

business relationship attribute, 3-13

## C

---

classifications for tables, 1-29

column mappings for interface tables, 1-28

column population templates  
creating, 3-12  
deleting, 3-16  
description of, 3-11  
duplicating, 3-15  
updating, 3-14

column registration, 1-25

columns  
display names, specifying, 1-32

conditions, 1-33  
creating, 1-33

constant date, 3-13

constant number, 3-13

constant VARCHAR, 3-13

Corporate Performance Management, 1-2

Cost Object dimension  
description of, 3-7  
setting up, 3-7

currencies  
disabling currencies, 1-22  
enabling currencies, 1-22

## D

---

data  
administering, 1-23

data inspector rules, 1-23  
creating, 1-24  
setting, 1-23

data set, 1-20  
input, 1-20  
output, 1-20  
risk component, 1-20

data set groups  
creating, 1-21  
setting up, 1-20

data structures  
populating, 1-15  
setting up, 1-15

DataX Loader program, 1-18

- deleting
  - column population template, 3-16
- dimension properties
  - specifying, 1-32
- dimensions
  - administering, 1-23
  - administration tasks for, 1-31
  - calendar, 1-14
  - calendar period, 1-14
  - company cost center organization, 1-14
  - customer, 1-14
  - data set code, 1-14
  - dimension properties, specifying, 1-32
  - display names, specifying, 1-32
  - geography, 1-14
  - hierarchy, 1-16
  - ledger, 1-14
  - line item, 1-14
  - member, 1-16
  - natural account, 1-14
  - product, 1-14
  - setting up, 1-14
  - source system, 1-14
- display names
  - for columns, 1-32
  - for dimensions, 1-32
- duplicating
  - column population template, 3-15

## E

---

Enterprise Performance Foundation

- database, 1-16
- data model, 1-15, 1-15, 1-20
- interface architecture, 1-15, 1-15, 1-16
- overview, 1-2
- tables, 1-23

## G

---

global value set combinations

- defining, 1-10
  - See also* value sets
- working with, 1-12

## H

---

hierarchies

- calendar period, 1-14
- company cost center organization, 1-14
- setting up, 1-14

Home Page

- customizing, 1-36

## I

---

input columns for mapping, 3-3

Interest Rate Codes

- loading data
  - using Web ADI, 2-4

interface table column mappings, 1-28

iSetup

- configuring iSetup, 1-22
- mapping instances, 1-22

## L

---

loader

- dataX, 1-16
- detail client data, 1-16
- dimension hierarchy, 1-16
- dimension member, 1-16
- external general ledger data, 1-16

loading data using Web ADI

- prerequisites, 2-4
- procedure, 2-4

## M

---

mapping setup

- specifying input columns, 3-3
- specifying output columns, 3-3

## N

---

navigation paths, A-1

## O

---

objects and columns

- registering, 1-23

Oracle Financial Services (OFS) applications, 1-2

Oracle Profitability Manager

- overview, 1-2

Oracle Profitability Manager implementation

- overview, 3-1

Oracle Transfer Pricing

- overview, 1-2
- Oracle Transfer Pricing implementation
  - confirming table classification assignments, 2-2
  - confirming table column property assignments, 2-2
  - defining a line item hierarchy, 2-3
  - overview, 2-1
- output columns for mapping, 3-3

## P

---

- processing
  - defining
    - See* tuning options
- processing key, 3-2, 3-6, 3-7
- processing keys for tables, 1-28
- profile options
  - Enterprise Performance Foundation profile options
    - FEM: Application Code, 1-6
    - FEM: Attribute Interface Table Date
    - Format Mask, 1-6
    - FEM: CCE Debug Trace, 1-6
    - FEM: Currency Conversion Type, 1-6
    - FEM: Currency Type, 1-6
    - FEM: Dataset, 1-6
    - FEM: Data Set Group, 1-6
    - FEM: Default Actuals Dataset, 1-6
    - FEM: Default Effective End Date, 1-6
    - FEM: Default Effective Start Date, 1-6
    - FEM: Effective Date, 1-6
    - FEM: FEM Top, 1-6
    - FEM: GL Advanced Mapping Flag, 1-6
    - FEM: Ledger, 1-6
    - FEM: Loader Dimension Grouping Size, 1-6
    - FEM: Period, 1-6
    - FEM: Result Rounding Flag, 1-6
    - FEM: Rule Migration Access, 1-6
    - FEM: Rule Set Depth Limit, 1-6
    - FEM: Security Folder, 1-6
    - FEM: Signage Methodology, 1-6
    - FEM: Track Event Chains, 1-6
  - FND: View Object Max fetch size, 1-6
- Oracle Financial Services Applications profile options, 1-6

- Oracle Profitability Manager profile options, 1-6

- Oracle Transfer Pricing profile options
  - FTP: Engine Debug Trace, 1-6
  - FTP: Option Cost Precision Factor, 1-6
  - FTP: Process Errors - Per Item, 1-6
  - FTP: Process Errors - Total, 1-6
- setting, 1-5

- Profitability Manager implementation
  - See* Oracle Profitability Manager implementation

## R

---

- reporting
  - configuring, 1-35
- rule based data loaders
  - Detail Client Data Loader, 1-19
  - Dimension Member Loader, 1-19

## S

---

- security folders
  - setting up, 1-37
- setting up and populating data structures
  - populating the data model manually, 1-18
  - populating the data model using data loader rules, 1-19
  - populating the data model using the data loaders, 1-16
  - populating the interface tables, 1-15
- statistics
  - creating, 3-8
  - deleting, 3-11
  - description of, 3-8
  - duplicating, 3-11
  - updating, 3-10

## T

---

- table registration, 1-25, 3-3
- tables
  - classifications, 1-29
  - column display names, 1-28
  - FEM\_BAL\_INTERFACE\_T, 1-18
  - FEM\_BALANCES, 1-18
  - interface, 1-15, 1-15
  - interface table column mappings, 1-28

- processing keys, 1-28
- property assignments for columns, 1-30
- registering, 1-27
- Transfer Pricing implementation
  - See* Oracle Transfer Pricing implementation
- tuning options, 1-34
  - creating, 1-33
  - updating, 1-33

## U

---

- updating
  - column copulation template, 3-14
- users
  - Analyst, 1-3
  - assigning responsibilities, 1-3
  - External Analyst, 1-3
  - Manager, 1-3
  - Super User, 1-3, A-1
  - Supervisor, 1-3
  - User, 1-3

## V

---

- value sets
  - defining, 1-10
    - See also* global value set combinations
  - working with, 1-11

## W

---

- workflow
  - configuring, 1-36