

## **Oracle® E-Business Suite**

Electronic Technical Reference Manual User's Guide

Release 12.1 and 12.2

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Oracle E-Business Suite Electronic Technical Reference Manual User's Guide, Release 12.1 and 12.2

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## **Oracle E-Business Suite Electronic Technical Reference Manual User's Guide, Release 12.1 and 12.2**

**Part No. F53031-03**

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- Did you understand the context of the procedures?
- Did you find any errors in the information?
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- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

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Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Oracle E-Business Suite Release Online Documentation CD available on My Oracle Support and [www.oracle.com](http://www.oracle.com). It contains the most current Documentation Library plus all documents revised or released recently.

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# Preface

## Intended Audience

Welcome to Release 12.1 and 12.2 of the *Oracle E-Business Suite Electronic Technical Reference Manual User's 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.
- Oracle E-Business Suite database object definitions and their dependency information.

This documentation assumes familiarity with Oracle E-Business Suite. It is written for the technical consultants, implementers and system integration consultants who oversee the functional requirements of these applications and deploy the functionality to their users.

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 E-Business Suite 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>.

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## Structure

- 1 Introduction to Oracle E-Business Suite Electronic Technical Reference Manual (eTRM)
- 2 Navigating Oracle E-Business Suite Electronic Technical Reference Manual (eTRM)
- 3 Browsing and Searching the eTRM Through the Home Page
- 4 Browsing and Searching Objects in the FND Data Dictionary Page
- 5 Browsing and Searching Objects in the DBA Data Dictionary Page
- 6 Viewing Object Details Page
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## Related Information Sources

This book is included in the Oracle E-Business Suite Documentation Library. 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.
- **Oracle E-Business Suite Documentation Library** - This library, which is included in the Oracle E-Business Suite software distribution, provides PDF documentation as of the time of each release.
- **Oracle E-Business Suite Documentation Web Library** - This library, available on the Oracle Help Center, provides the latest updates to Oracle E-Business Suite Release 12.2 documentation. See [https://docs.oracle.com/cd/E26401\\_01/index.htm](https://docs.oracle.com/cd/E26401_01/index.htm) for the latest Release 12.2 documentation or [https://docs.oracle.com/cd/E18727\\_01/index.htm](https://docs.oracle.com/cd/E18727_01/index.htm) for the latest Release 12.1 documentation. Most documents are available in PDF and HTML formats.
- **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 E-Business Suite Electronic Technical Reference Manual** - The Oracle E-Business Suite 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 as an application within your Oracle E-Business Suite instance. For more information, see My Oracle Support Knowledge Document 2850246.1 and this guide.

## **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 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 any installation and configuration choices that are available.

### **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, secure configuration, and auditing. It also describes how Oracle E-Business Suite can be integrated into a single sign-on environment.

### **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 Developer's Guide**

This guide describes how 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 runtime.

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 web service invocation.

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

This guide explains how integration 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 set up and implement Service Invocation Framework to invoke SOAP and REST services from Oracle E-Business Suite, and how to manage web service security, configure logs, and monitor both inbound service invocations using Service Monitor and outbound service invocations through Service Invocation Framework

using Service Invocation Monitor.

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

This guide explains how to navigate, enter and query data, and run concurrent requests using the user interface (UI) of Oracle E-Business Suite. It includes information on setting preferences and customizing the UI. In addition, this guide describes accessibility features and keyboard shortcuts for Oracle E-Business Suite.

### **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 contains how to run extract programs for outbound transactions, import programs for inbound transactions, and the relevant reports.

### **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 information on configuration, instance mapping, and seeded templates used for data migration.

### **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.

## **Do Not Use Database Tools to Modify Oracle E-Business Suite Data**

Oracle **STRONGLY RECOMMENDS** that you never use SQL\*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle E-Business Suite data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL\*Plus to modify Oracle E-Business Suite data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify

Oracle E-Business Suite data using anything other than Oracle E-Business Suite, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle E-Business Suite.

When you use Oracle E-Business Suite to modify your data, Oracle E-Business Suite automatically checks that your changes are valid. Oracle E-Business Suite also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL\*Plus and other database tools do not keep a record of changes.



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# Introduction to Oracle E-Business Suite Electronic Technical Reference Manual (eTRM)

## Overview

The Oracle E-Business Suite Electronic Technical Reference Manual (eTRM) is a repository of database object definitions and their dependency information for Oracle E-Business Suite. It contains database diagrams and detailed descriptions 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 eTRM was formerly available as an online utility, and then was provided as a set of downloadable static HTML files. To continue providing access to Oracle E-Business Suite database object and schema definitions and descriptions in a more user-friendly way, the eTRM is now available through Oracle E-Business Suite user interface. Users who have an appropriate responsibility assigned can browse and search the eTRM metadata through the Oracle E-Business Suite UI pages.

## Major Features

The Oracle E-Business Suite Electronic Technical Reference Manual has the following key features:

- Provides the centralized, user-friendly user interface for accessing the eTRM functionality in Oracle E-Business Suite.
- Displays Oracle E-Business Suite database object definitions and their dependency information in the UI.

- Allows access to the database definitions and metadata through Browse and Search mechanisms in the Search tab, FND Dictionary tab, and DBA Dictionary tab.
- Provides a flexible search mechanism allowing you to search database objects by product, object type, object name, or schema.
- Provides an easy browsing feature allowing you to navigate the eTRM tree, products tree, or database schemas tree to locate your objects.
- Provides PDF-based diagrams and HTML-based reports for FND data objects.

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# Navigating Oracle E-Business Suite Electronic Technical Reference Manual (eTRM)

## Setting Up and Accessing the eTRM User Interface

### *Setting Up the eTRM in Your Oracle E-Business Suite Instance*

Before you begin navigating and using the eTRM through the UI pages, you need to apply the eTRM patch and perform some tasks to set up the eTRM in your Oracle E-Business Suite instance. Refer to My Oracle Support Knowledge Document 2850246.1, *Oracle E-Business Suite Electronic Technical Reference Manual (eTRM), Release 12.2 and Release 12.1.3* for details.

**Note:** Ensure that you have applied the latest patches described in the Document 2850246.1. The latest patch for Oracle E-Business Suite Release 12.2 will automatically execute a new concurrent program called "FND eTRM Populate DBA Search Table" that is available in Release 12.2 only to populate the latest DBA objects and reflect any DBA level changes in the eTRM. Note that this patch for Release 12.2 will *not* submit the "FND Generate eTRM HTML Report" concurrent program to generate HTML reports of all report types. To use the HTML reports in Release 12.2, you will need to manually submit the "FND Generate eTRM HTML Report" concurrent program.

The patch for Oracle E-Business Suite Release 12.1.3 will run the "FND Generate eTRM HTML Report" concurrent program only to generate HTML reports of all report types for all Oracle E-Business Suite applications.

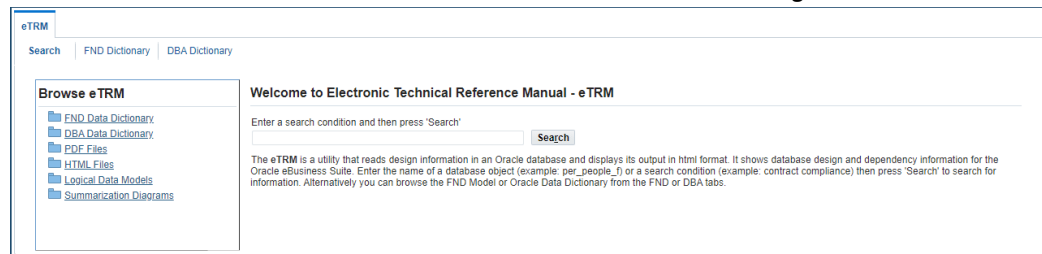
### *Accessing the eTRM User Interface*

To access the eTRM user interface, log in as a user who has the **Electronic Technical**

**Reference Manual (eTRM)** responsibility and then navigate to the **eTRM Home** from the navigation menu. The "Welcome to Electronic Technical Reference Manual - eTRM" Home Page appears.

**Note:** The eTRM functionality is protected based on the RBAC (Role-Based Access Control) functional security. Only users who have the **Electronic Technical Reference Manual (eTRM)** responsibility assigned can access the eTRM functionality.

#### **Welcome to Electronic Technical Reference Manual - eTRM Home Page**



In the "Welcome to Electronic Technical Reference Manual - eTRM" Home Page, you can browse the eTRM tree or use free text search to locate the desired database objects.

For information on how to browse the tree and perform a search through the eTRM UI pages, see Searching and Using the eTRM Functionality, page 2-2.

## **Searching and Using the eTRM Functionality**

The eTRM user interface provides Browse and Search mechanisms allowing you to navigate and locate database object metadata in the following tabs:

- **Search tab** - This tab is automatically displayed when you navigate to the eTRM Home Page through the **Electronic Technical Reference Manual (eTRM)** responsibility.

You can locate desired objects and definitions through the following ways:

- **Browse the eTRM** - Click the desired link in the **Browse eTRM** tree node on the left pane to locate your database objects.

See: Browsing Objects in the Search Home Page, page 3-1.

- **Search the eTRM** - Enter free text search in the Search field to display the results against a database object name or a search condition.

See: Searching Objects in the Search Home Page, page 3-2.

- **FND Dictionary tab** - This tab displays the FND Data Dictionary page which



provides access to the FND model. To locate desired FND objects, you can:

- Browse FND objects - Expand the **Products** tree node by clicking a desired Oracle E-Business Suite product link and then an object link available on the left pane.

See: Browsing Objects in the FND Data Dictionary Page, page 4-1.

- Search FND objects - Enter search criteria in the Product, Object Name, and Object Type fields to perform a search.

See: Searching Objects in the FND Data Dictionary Page, page 4-3.

- **DBA Dictionary tab** - This tab displays the DBA Data Dictionary page which provides access to information from the data dictionary (dba\_objects view). Similar to the Search and FND Dictionary tabs, you can locate desired DBA objects using the following ways:

- Browse DBA objects - Select the **Database Schemas** or **Applications Product Prefixes** tree node option from the **View By** field first. Then, expand the selected tree node by clicking a desired schema or product name link depending on your selected tree, and then clicking an appropriate link available on the left pane to locate your DBA objects.

See: Browsing Objects in the DBA Data Dictionary Page, page 5-2.

- Search DBA objects - Enter search criteria in the Object Name, Schema Owner, and Object Type fields to perform a search.

See: Searching Objects in the DBA Data Dictionary Page, page 5-5.



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# Browsing and Searching the eTRM Through the Home Page

## Overview

The eTRM allows you to perform the following tasks in the eTRM Search Home page:

- Browsing Objects in the Search Home Page, page 3-1
- Searching Objects in the Search Home Page, page 3-2

## Browsing Objects in the Search Home Page

After logging to the eTRM, you can quickly browse the eTRM object metadata on the left pane of the Search home page by clicking the following links in the **Browse eTRM** tree node to locate your desired database object:

- **FND Data Dictionary:** This displays the FND Data Dictionary page where you can browse and search desired FND objects.

See: Browsing and Searching Objects in the FND Data Dictionary Page, page 4-1.

- **DBA Data Dictionary:** This displays the DBA Data Dictionary page where you can browse and search desired DBA objects.

See: Browsing and Searching Objects in the DBA Data Dictionary Page, page 5-1.

- **PDF Files:** This retrieves the FND objects containing PDF files in the List of Objects table of the FND Data Dictionary page, with the following search values populated automatically:

- Product: All
- Object Type: FILE

- Object Name: %.pdf
- **HTML Files:** This retrieves the FND objects containing HTML files in the List of Objects table of the FND Data Dictionary page, with the following search values populated automatically:
  - Product: All
  - Object Type: FILE
  - Object Name: %.html
- **Logical Data Models:** This retrieves the FND objects containing entity relationship diagrams (ERD diagrams) in the List of Objects table of the FND Data Dictionary page, with the following search values populated automatically:
  - Product: All
  - Object Type: FILE
  - Object Name: %ERD%.pdf
- **Summarization Diagram:** This retrieves the FND objects containing DBI diagrams in the List of Objects table of the FND Data Dictionary page, with the following search values populated automatically:
  - Product: All
  - Object Type: FILE
  - Object Name: DBI%.pdf

Click a desired object from the search results table to access the selected object details.

- For information about the selected file details, see [Viewing File Details Page](#), page 6-9.
- For information about the PDF diagrams and HTML reports, see [Diagrams and Reports](#), page 7-1.

## Searching Objects in the Search Home Page

The eTRM allows you to enter free text search in the Search home page. The search text can include one or more words separated by space character. The search engine performs search against the table and column descriptions in the FND Model, specifically against the following for the text you entered in the Search field:

- Name and Description fields of Tables, Views, and Columns in the FND model
- DBA Object Name

For example, if you enter "contract compliance" and then click **Search**, the eTRM will look for tables, views, and columns that contain that phrase for an exact match or a partial match of any word in that phrase if needed.

### Search Tab in the Welcome to Electronic Technical Reference Manual - eTRM Page

The screenshot shows the eTRM interface with the 'Search' tab selected. The 'Search Results' section displays a table of database objects. The table has columns for Object Name, Object Type, Product, Schema Owner, and Description. The search criteria entered is 'contract compliance'.

Object Name	Object Type	Product	Schema Owner	Description
ICX_POR_ITEMS	TABLE	ICX - Oracle iProcurement	ICX	Stores information and root descriptors for non trans data for each item in the catalog. Root descriptor col in the format Axxxx where xxxx is an integer. Some c descriptors are seeded by Oracle while others may b
ICX_POR_LOADER_VALUES	TABLE	ICX - Oracle iProcurement	ICX	Stores a single record with the setup data for the Ext process.
ICX_POR_CONTRACT_REFERENCES	TABLE	ICX - Oracle iProcurement	ICX	Stores contract information for loader job
AP_POL_EXRATE_OPTIONS_ALL	TABLE	AP - Payables	AP	This table stores exchange rate tolerances for policy compliance validation
POABV_EDW_CONTRACT_AGRMNTS_FCV	VIEW	PO - Purchasing		EDW Contract Agreement Fact Collection View
PO_DISTRIBUTIONS_ALL	TABLE	PO - Purchasing	PO	Purchase order distributions
PO_NOTIFICATION_CTRL_DRAFT	TABLE	PO - Purchasing	PO	Blanket agreement and planned purchase order noti controls draft table
AMW_COMPLIANCE_ENHS_B	TABLE	AMW - Internal Controls Manager (Obsolete)		Stores compliance details
AS_OSI_LEADS_DENORM	TABLE	AS - Sales Foundation	OSM	Denormalized table
WMS_PARAMETERS_B	TABLE	WMS - Warehouse Management	WMS	WMS Parameters
PON_AUC_ITEMS_INTERFACE	TABLE	PON - Sourcing	PON	Interface table to store imported negotiation item info
POA_EDW_PO_DIST_F	TABLE	POA - Purchasing Intelligence (Obsolete)		PO Distributions fact table
POA_EDW_PO_DIST_FSTG	TABLE	POA - Purchasing Intelligence (Obsolete)		Interface table for PO Distributions fact
OKC_K_GRPINGS_V	VIEW	OKC - Contracts Core	APPS	View for table OKC_CONTRACT_GROUPINGS
OKC_K_PARTY_ROLES_V	VIEW	OKC - Contracts Core	APPS	View for table OKC_CONTRACT_PARTY_ROLES_E

The search engine retrieves objects that match your criteria and lists them in the Search Results table. Each object in the table has the following information:

- **Object Name:** Name of the object. Click the name link to drill down to see the selected object details.  
See: Viewing Object Details Page, page 6-1.
- **Object Type:** Classification of an object across FND Dictionary and DBA Dictionary should be displayed. Based on the retrieved objects, this field can be of any object types, such as TABLE, VIEW, SYNONYM, TRIGGER, etc.
- **Product:** Oracle E-Business Suite product owns the database object.

- **Schema Owner:** Database schema owner for the database object.
- **Description:** Description text for the database object.

If the search returns no records, then a message "No records found in eTRM for your search <Search text>" is displayed.

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# Browsing and Searching Objects in the FND Data Dictionary Page

## Overview

The FND Data Dictionary page provides access to the FND model. Oracle E-Business Suite databases hold design information in a series of (FND\_) tables. This information records details that are not available from the data dictionary (dba\_objects). For example, views are mapped to the products that own them in the FND model. Primary and foreign key constraints represent another example. These constraints are registered in the FND model but are not typically implemented in the product. This page provides a mechanism allowing you to drill down to access these properties.

You can perform the following tasks in the FND Data Dictionary page:

- Browsing Objects in the FND Data Dictionary Page, page 4-1
- Searching Objects in the FND Data Dictionary Page, page 4-3
- Viewing FND Object Details, page 4-5

## Browsing Objects in the FND Data Dictionary Page

You can browse by Oracle E-Business Suite product and navigate to the FND objects in the **Products** tree node of the FND Data Dictionary page.

Each product link is available in the format of <Application Short Name> - <Application Name> and displayed as the top level in the **Products** navigation tree.

To expand a product node, click a product name link to display the available object type links and then click an object type link from the tree. This displays a list of database objects of the selected object type in the List of Objects table, with the Object Type and Product field values populated automatically on the right pane of the page.

**Note:** The **Products** tree displays the following object types if available for a product, along with the summary of database objects for the type: Table, View, Diagram & Report, Workflow Event, Concurrent Program, and Lookup Type

For example, Tables (32) indicates that there are a total of 32 database objects with "Table" object type available for a product (such as ALR-Alert). Additionally, the total number of all object types is displayed at the end for a product, such as "62 Objects" is shown at the end for the ALR-Alert product.

For example, you can browse the **Products** tree node by clicking the "ALR - Alert" product link first to display the available object types belonging to "ALR - Alert", and then clicking the "Tables" object type link. The list of tables for "ALR - Alert" is displayed as the search result on the right pane of page, with the following values shown in the Search criteria section:

- **Product:** ALR - Alert
- **Object Type:** TABLE



## Browse Products Tree to Display Selected Product and "Tables" Object Type

The screenshot shows the eTRM FND Data Dictionary interface. On the left, the 'Products' tree is expanded to 'ALR - Alert', showing 'Tables (32)' selected. The main area is titled 'FND Data Dictionary' and contains a search bar with 'Product' set to 'ALR - Alert' and 'Object Type' set to 'TABLE'. Below the search bar is a table titled 'List Of Objects' with 32 rows. The table columns are Object Name, Object Type, Product, Schema Owner, and Description. The objects listed are all tables owned by APPLSYS in the ALR - Alert product.

Object Name	Object Type	Product	Schema Owner	Description
ALR_ACTIONS	TABLE	ALR - Alert	APPLSYS	Alert and response actions
ALR_ACTUAL_RESPONSES	TABLE	ALR - Alert	APPLSYS	Responses expected and received for an alert message
ALR_PROFILE_OPTIONS	TABLE	ALR - Alert	APPLSYS	Oracle Alert profile options and values
ALR_RESPONSE_ACTIONS	TABLE	ALR - Alert	APPLSYS	Member actions of a response set
ALR_RESPONSE_SETS	TABLE	ALR - Alert	APPLSYS	Response sets
ALR_RESPONSE_VARIABLES	TABLE	ALR - Alert	APPLSYS	Response set variables
ALR_RESPONSE_VARIABLE_VALUES	TABLE	ALR - Alert	APPLSYS	Actual variable and alert output values returned in a response message
ALR_VALID_RESPONSES	TABLE	ALR - Alert	APPLSYS	Response text for each possible response to an alert message
ALR_ACTION_DATA	TABLE	ALR - Alert	APPLSYS	Exceptions found during an action set check
ALR_ACTION_GROUPS	TABLE	ALR - Alert	APPLSYS	Alert action, threshold, and escalation groups
ALR_ACTION_GROUP_MEMBERS	TABLE	ALR - Alert	APPLSYS	Member actions of an alert action group
ALR_ACTION_HISTORY	TABLE	ALR - Alert	APPLSYS	Actual action execution history
ALR_ACTION_OUTPUTS	TABLE	ALR - Alert	APPLSYS	Critical outputs used in a summary action
ALR_ACTION_SETS	TABLE	ALR - Alert	APPLSYS	Alert action sets
ALR_ACTION_SET_CHECKS	TABLE	ALR - Alert	APPLSYS	Action set check information
ALR_ACTION_SET_INPUTS	TABLE	ALR - Alert	APPLSYS	Alert action set inputs
ALR_ACTION_SET_MEMBERS	TABLE	ALR - Alert	APPLSYS	Member actions and action groups of alert action sets
ALR_ACTION_SET_OUTPUTS	TABLE	ALR - Alert	APPLSYS	Alert action set outputs
ALR_LOOKUPS	TABLE	ALR - Alert	APPLSYS	Oracle Alert lookup types and codes
ALR_PERIODIC_SETS	TABLE	ALR - Alert	APPLSYS	Periodic alert sets

In the List of Objects result table, click a desired object name link to display the Object Details page. See Viewing FND Object Details, page 4-5.

## Searching Objects in the FND Data Dictionary Page

In addition to browsing the **Products** tree node, you can perform a search in the FND Data Dictionary page against the FND Dictionary objects using the following search fields:

- **Product:** Select a desired Oracle E-Business Suite product from the Product list of values.
- **Object Name:** Enter a desired object name.
- **Object Type:** Select a desired object type from the following list of values:
  - **ALL** - Retrieve all the object types in the table. This is the default value if no

other value is selected.

- **CONCURRENT** - Retrieve only the object type as "CONCURRENT" in the List of Objects result table.
- **EVENT** - Retrieve only the object type as "EVENT" in the List of Objects result table.
- **FILE** - Retrieve only the object type as "FILE" in the List of Objects result table.
- **LOOKUPTYPE** - Retrieve only the object type as "LOOKUPTYPE" in the List of Objects result table.
- **TABLE** - Retrieve only the object type as "TABLE" in the List of Objects result table.
- **VIEW** - Retrieve only the object type as "VIEW" in the List of Objects result table.

Click **Search** to retrieve desired objects based on the search values you selected.

For example, search all products and object types in the FND Data Dictionary page where objects contain "task" ("%task%" entered in the Object Name field).

## FND Data Dictionary Page with Search Criteria

The screenshot displays the FND Data Dictionary interface. On the left, a 'Products' tree shows a hierarchy of products, with 'AD - Applications DBA' selected. The main area, titled 'FND Data Dictionary', contains a search bar with 'Object Name' set to '%task%' and 'Object Type' set to 'ALL'. Below the search bar is a 'List Of Objects' table with columns: Object Name, Object Type, Product, Schema Owner, and Description. The table lists 20 objects, including MRP, PA, HXT, PA, PJM, CS, and WMS related tasks and tables. The bottom of the page shows a copyright notice for Oracle and a link to the Privacy Statement.

Object Name	Object Type	Product	Schema Owner	Description
MRP_SNAPSHOT_TASKS	TABLE	MRP - Master Scheduling/MRP	MRP	Tasks to be performed by Snapshot Workers
PA_TASKS	TABLE	PA - Projects	PA	User-defined subdivisions of project work
MRP_PLANNER_TASKS	TABLE	MRP - Master Scheduling/MRP	MRP	MRP Planner task information
HXT_TASKS	TABLE	HXT - Time and Labor	HXT	A divided project assigned to an employee.
PA_TASK_HISTORY	TABLE	PA - Projects	PA	Service type and task organization history
PA_TOP_TASKS_JT	TABLE	PA - Projects	PA	Information about the top task level for Oracle Project Analysis Collection Pack
PJM_DEFAULT_TASKS	TABLE	PJM - Project Manufacturing	PJM	Task AutoAssignment Rules
CS_TASKS	TABLE	CS - Service	CS	
PJM_TASK_ATTRIBUTES	TABLE	PJM - Project Manufacturing		Task AutoAssignment Attributes
PJM_TASK_ATTR_USAGES	TABLE	PJM - Project Manufacturing		Task AutoAssignment Attribute FlexSequences
PA_LOWEST_TASKS_IT	TABLE	PA - Projects	PA	Lowest level task information for reporting.
MSC_PROJECT_TASKS	TABLE	MSC - Advanced Supply Chain Planning	MSC	This table stores the tasks manufacturing parameters.
AD_INVOKER_TASKS	TABLE	AD - Applications DBA	APPLSYS	Used for Invoker Rights processing
AD_TASK_TIMING	TABLE	AD - Applications DBA	APPLSYS	Timing information of jobs run in parallel
MSC_SNAPSHOT_TASKS	TABLE	MSC - Advanced Supply Chain Planning	MSC	Tasks to be performed by Snapshot Workers
MSC_ST_PROJECT_TASKS	TABLE	MSC - Advanced Supply Chain Planning	MSC	The staging table used by the collection program to validate and process data for table MSC_PROJECT_TASKS.
WMS_DISPATCHED_TASKS	TABLE	WMS - Warehouse Management	WMS	Dispatched Tasks Table
WMS_DISPATCHED_TASKS_HISTORY	TABLE	WMS - Warehouse Management	WMS	History Table for WMS_DISPATCHED_TASKS. Stores information about all tasks that have been completed
IEB_MEDIA_TASK_SOURCES	TABLE	IEB - Interaction Blending	IEB	Media sources of Media Manager Servers. (Obsolete table)
PA_TEMP_IMPORT_TASKS	TABLE	PA - Projects	PA	This table is for future use.

### Viewing Search Results

After you click **Search**, the list of object names containing "task" is displayed as the search results in the List of Objects table where you can drill down to see each object in the Object Details page.

For information about the object details of each FND object type, see: Viewing FND Object Details, page 4-5.

On the left pane of this page, the **Products** tree node displays the tree structure that matches the search results. That is, only those matching products and corresponding object types are shown in the tree.

### Viewing FND Object Details

Through the search and browse mechanisms, you can find a list of objects displayed in the search result table. To view object information, click an object name link from the table to drill down to the Object Details page.

For information on how to perform a search or browse the tree node to locate a FND object, see:

- [Browsing and Searching the eTRM Through the Home Page](#), page 3-1
- [Browsing Objects in the FND Data Dictionary Page](#), page 4-1
- [Searching Objects in the FND Data Dictionary Page](#), page 4-3

Based on the object you selected from the List of Objects table, you can find the following types of the Object Details page:

- [Viewing Table Details Page](#), page 6-2
- [Viewing View Details Page](#), page 6-6
- [Viewing File Details Page](#), page 6-9
- [Viewing Concurrent Program Details Page](#), page 6-10
- [Viewing Lookup Type Details Page](#), page 6-14
- [Viewing Business Event Details Page](#), page 6-15

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# Browsing and Searching Objects in the DBA Data Dictionary Page

## Overview

The DBA Data Dictionary page provides access to information from the data dictionary (dba\_objects view).

From the eTRM Search Home page, you can access the DBA Data Dictionary page through the following ways:

- Expand the **Browse eTRM** tree node and then click the **DBA Data Dictionary** folder.
- Click the **DBA Dictionary** tab.

In the DBA Data Dictionary page, you can navigate and locate DBA database objects through the following ways:

- Browse DBA objects - Select the **Database Schemas** or **Applications Product Prefixes** tree node option from the **View By** field first. Then expand the selected tree node by clicking a desired schema or product name link depending on your selected tree, and then clicking an appropriate link available on the left pane to locate your DBA objects.
- Search DBA objects - Enter search criteria in the Object Name, Schema Owner, and Object Type fields to perform a search.

To understand how to navigate and search desired objects in this page as well as how to drill down from the search results, this section includes the following topics:

- Browsing Objects in the DBA Data Dictionary Page, page 5-2
- Searching Objects in the DBA Data Dictionary Page, page 5-5

- Viewing DBA Object Details, page 5-8

## Browsing Objects in the DBA Data Dictionary Page

Similar to the browse feature used in the Search and FND Dictionary tabs, the eTRM allows you to browse the tree node to locate DBA objects in the DBA Data Dictionary page.

To browse DBA objects from the tree, select either of the following values from the **View By** field:

- **Database Schemas** (default)

This option displays all the Oracle E-Business Suite database schemas in the tree.

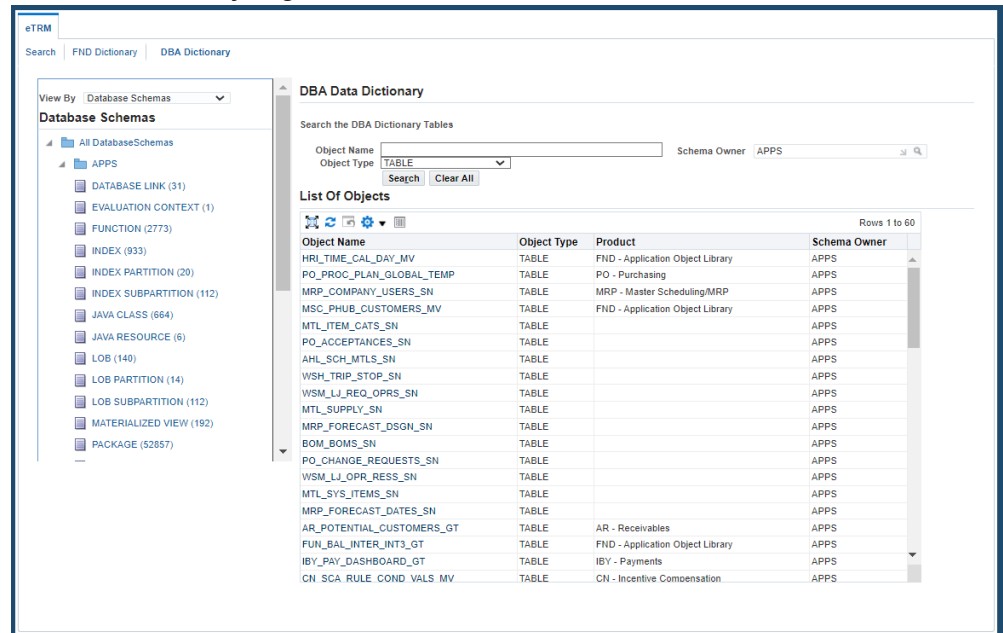
To locate your desired objects, expand the **Database Schemas** tree by clicking a desired database schema name link, and then clicking an object type link.

For example, to locate all the objects with the "TABLE" object type from the "APPS" schema, click the "APPS" schema link first to display all the object types contained in the schema "APPS". Then, click the "TABLE" object type link.

On the right pane of the page, objects of the selected type "TABLE" are retrieved and shown in the List of Objects table, with the following search values populated automatically:

- **Schema Owner:** APPS
- **Object Type:** TABLE

## DBA Data Dictionary Page with Database Schemas Tree Node



- **Applications Product Prefixes**

This option allows you to select a desired product first, and then displays the **Database Schemas** tree *only* for the product you selected.

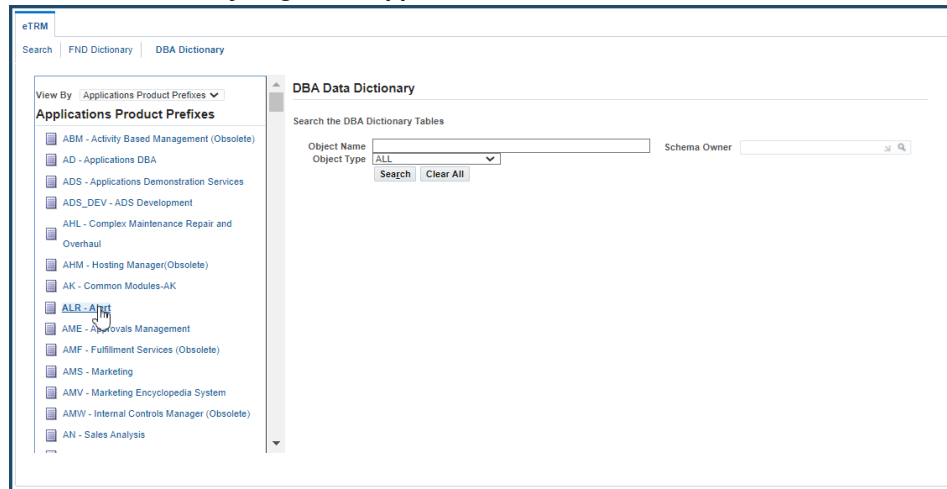
To locate your desired objects:

1. Select a desired product name from the **Applications Product Prefixes** tree node.

When **Applications Product Prefixes** is selected, all Oracle E-Business Suite products are displayed in the format of <Application Short Name> - <Application Name> under the tree node.

For example, select a product "ALR\_Alert" first to limit the schema display *only* for the selected product "ALR\_Alert".

### DBA Data Dictionary Page with Applications Product Prefixes Tree Node



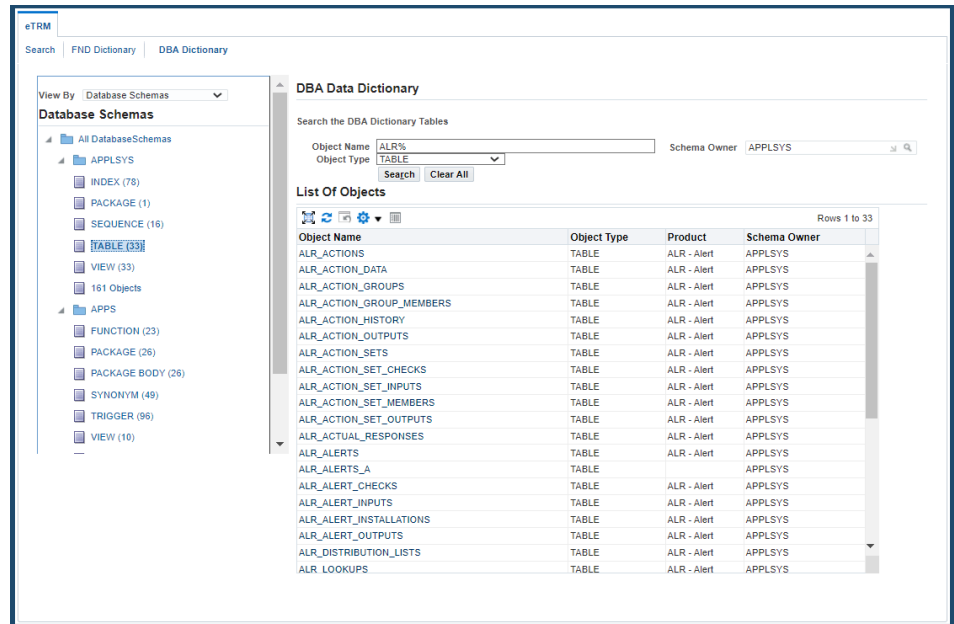
Once a product ("ALR - Alert") is selected from the **Applications Product Prefixes** tree node, then the **Database Schemas** tree node appears.

2. Select a desired schema and an object type from the **Database Schemas** tree node.

Note that the **Database Schemas** tree now displays the schema names (APPLSYS and APPS) and available object types *only* for the selected product "ALR - Alert".



## DBA Data Dictionary Page with Expanded Database Schemas Tree Node for a Product



For example, select the "TABLE" object type from the "APPLSYS" schema.

The objects that match the selection are retrieved and displayed in the List of Objects table, along with the following search values populated automatically on the right pane:

- **Object Name:** ALR%
- **Schema Owner:** APPLSYS
- **Object Type:** TABLE

After browsing the tree node to locate desired objects, you can click an object name link from the List of Objects table to view the corresponding object details. See: Viewing DBA Object Details, page 5-8.

## Searching Objects in the DBA Data Dictionary Page

In the DBA Data Dictionary page, you can perform a search against the DBA Dictionary objects through the following fields:

- **Schema Owner:** Select a desired Oracle E-Business Suite database schema from the list of values. If no value is selected, the search will be against all Oracle E-Business Suite database schemas.

- **Object Name:** Enter a desired object name with a wild card character %. The maximum character limit is 30.
- **Object Type:** Select a desired object type from the list of values. The available values for selection are: CLUSTER, CONSUMER GROUP, CONTEXT, DIMENSION, DIRECTORY, EVALUATION CONTEXT, FUNCTION, INDEX, INDEX PARTITION, INDEX SUBPARTITION, INDEXTYPE, JAVA CLASS, JAVA DATA, JAVA RESOURCE, JAVA SOURCE, LIBRARY, LOB, LOB PARTITION, LOB SUBPARTITION, LOCATION, MATERIALIZED VIEW, NEXT OBJECT, OPERATOR, PACKAGE, PACKAGE BODY, PROCEDURE, QUEUE, RESOURCE PLAN, RULE, RULE SET, SECURITY PROFILE, SEQUENCE, SUBSCRIPTION, SYNONYM, TABLE, TABLE PARTITION, TABLE SUBPARTITION, TRIGGER, TYPE, TYPE BODY, UNDEFINED, VIEW, XML SCHEMA, and ALL.

Note that "ALL" is the default value in this field.

Click **Search** to retrieve the DBA objects that match your search criteria.

For example, to obtain all the database objects for schema "AP", select "AP" as the Schema Owner value and then click **Search**. The search is performed against all object types contained in the selected schema "AP".

## DBA Data Dictionary Page with Search Criteria

The screenshot shows the eTRM DBA Data Dictionary page. On the left, there is a 'Database Schemas' tree view showing a hierarchy: 'All DatabaseSchemas' (1514 Objects) expanded to show 'AP' (INDEX (642), LOB (4), PACKAGE (2), PACKAGE BODY (2), SEQUENCE (141), TABLE (354), TABLE PARTITION (64), VIEW (305)). The main area is titled 'DBA Data Dictionary' and contains a search section with 'Object Name' and 'Object Type' dropdowns (both set to 'ALL'), a 'Schema Owner' dropdown (set to 'AP'), and 'Search' and 'Clear All' buttons. Below the search section is a 'List Of Objects' table with columns: Object Name, Object Type, Product, and Schema Owner. The table lists various database objects, mostly indexes, under the 'AP' schema owner. The 'Product' column shows 'JE - European Localizations' for some objects.

Object Name	Object Type	Product	Schema Owner
AP_LOOKUP_GT_IDX	INDEX		AP
AP_IMP_PO_VALID_GT_N1	INDEX		AP
AP_PREPAY_HISTORY_N3	INDEX		AP
AP_PAYMENT_SCHEDULES_N2	INDEX		AP
AP_INVOICES_N2	INDEX		AP
JE_IT_EXEMPT_LETTERS_U1	INDEX	JE - European Localizations	AP
AP_PREPAY_APP_DISTIS_N5	INDEX		AP
AP_AWT_BUCKETS_U1	INDEX		AP
AP_TAX_RECVRV_RATES_U1	INDEX		AP
AP_TAX_RECVRV_RULES_U1	INDEX		AP
AP_HOLDS_N2	INDEX		AP
AP_EID_TRX_PROCESS_N1	INDEX		AP
AP_EID_TRX_PROCESS_N2	INDEX		AP
AP_EID_TRX_PROCESS_N3	INDEX		AP
AP_EID_TRX_PROCESS_U1	INDEX		AP
AP_INVOICE_DISTRIBUTIONS_N2	INDEX		AP
AP_CHECKS_N11	INDEX		AP
AP_PAYCARD_TRX_FEE_HDR_U1	INDEX		AP
AP_PAYCARD_TRX_FEE_LINES_N1	INDEX		AP
AP_CHECKS_N13	INDEX		AP

### Viewing Search Results

Objects that match the search criteria are retrieved and displayed in the List of Objects table as the search results. This table includes information for each retrieved object, including Object Name, Object Type, Product, and Schema Owner.

Click an object name link to display the selected object details in a separate Object Details page. See: Viewing DBA Object Details, page 5-8.

**Note:** If a search returns no records, then a message is displayed indicating that no records found for your search.

**Note:** If the search result does not reflect the changes in the DBA object level for Oracle E-Business Suite Releases 12.2, then you can run the concurrent program "FND eTRM Populate DBA Search Table" to populate the latest DBA objects and reflect any DBA level changes in the eTRM.

On the left pane of this page, the **Database Schemas** tree node displays the tree structure that matches the search results. That is, only the schemas and object types that match the results are shown in the tree. In this example, only the "AP" schema and available object types within "AP" are shown in the tree.

## Viewing DBA Object Details

Through the search and browse features in the DBA Data Dictionary page or the Search Home page, you can find a list of objects displayed as the search results. Clicking an object name link from the List of Objects table allows you to drill down to the object details page.

For information on how to perform a search or browse the tree node to locate DBA objects, see:

- [Browsing and Searching the eTRM Through the Home Page](#), page 3-1
- [Browsing Objects in the DBA Data Dictionary Page](#), page 5-2
- [Searching Objects in the DBA Data Dictionary Page](#), page 5-5

Based on the object you selected from the List of Objects table, you can find the following object details pages for the DBA objects:

**Note:** Although DBA objects contain various object types, the object details page of each object type discussed here always contains object header and dependency information.

- [Viewing Table Details Page](#), page 6-2
- [Viewing View Details Page](#), page 6-6
- [Viewing Package Details Page and Package Body Details Page](#), page 6-17
- [Viewing Procedure Details Page, Function Details Page, Java Source Details Page, and Type Body Details Page](#), page 6-21
- [Viewing Type Details Page](#), page 6-26
- [Viewing Trigger Details Page](#), page 6-32
- [Viewing Queue Details Page](#), page 6-34
- [Viewing Index Details Page and Synonym Details Page](#), page 6-36
- [Viewing Materialized View Details Page](#), page 6-39
- [Viewing Generic Object Details](#), page 6-42

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## Viewing Object Details Page

### Overview

After performing a search or browsing the tree node in the Search tab, FND Dictionary tab, or the DBA Dictionary tab, you can find a list of objects displayed in the search result table.

You can view each retrieved object by clicking a desired object name link from the table. This allows you to drill down to the Object Details page.

Based on the object you selected from the table, you can find the following types of Object Details page:

- Viewing Table Details Page, page 6-2
- Viewing View Details Page, page 6-6
- Viewing File Details Page, page 6-9
- Viewing Concurrent Program Details Page, page 6-10
- Viewing Lookup Type Details Page, page 6-14
- Viewing Business Event Details Page, page 6-15
- Viewing Package Details Page and Package Body Details Page, page 6-17
- Viewing Procedure Details Page, Function Details Page, Java Source Details Page, and Type Body Details Page, page 6-21
- Viewing Type Details Page, page 6-26
- Viewing Trigger Details Page, page 6-32
- Viewing Queue Details Page, page 6-34

- Viewing Index Details Page and Synonym Details Page, page 6-36
- Viewing Materialized View Details Page, page 6-39
- Viewing Generic Object Details, page 6-42

## Viewing Table Details Page

To view the Table Details page, first locate a desired object with the "TABLE" object type through the following ways:

**Note:** The eTRM database objects of "TABLE" object type are available from both the FND and DBA objects. Therefore, you can locate this type of objects from the FND Data Dictionary page and the DBA Data Dictionary page.

- In the Search Home page, enter free text search.
- In the FND Data Dictionary page, expand a Product folder in the **Products** tree node, and then the "Tables" link.
- In the DBA Data Dictionary page, expand a Product folder in the **Applications Product Prefixes** tree node, then a Database Schema folder in the **Database Schemas** tree node, and then the "TABLE" link.
- In the DBA Data Dictionary page, expand a Database Schema folder in the **Database Schemas** tree node, and then the "TABLE" link.
- Select "TABLE" as the Object Type value in the FND Data Dictionary page or the DBA Data Dictionary page.
- Click the "TABLE" Object Type link in the Dependencies table from other database object details page, such as Table or View Details page.

After browsing the tree or performing a search, you can find objects with the "TABLE" object type displayed in the List of Objects search result table. Click an object name link (such as AP\_AE\_HEADERS\_ALL) to display the Table Details page. This page contains the following regions:

**Note:** If the selected object is a DBA object (such as AP\_AE\_LINES\_ALL), then the Table Details page is shown under the DBA Dictionary tab.

- **Table Header** - It displays the selected object information, including Object Name, Object Type, Object Status, Product, Schema Owner, Comments, and Description.

### Table Details Page: Table Header

eTRM	
Search	FND Dictionary DBA Dictionary
Return to: <a href="#">Search Results</a>	
<b>Table : AP_AE_HEADERS_ALL</b>	
Object Name	AP_AE_HEADERS_ALL
Object Type	TABLE
Object Status	VALID
Description	Accounting entry headers table
Comments	
Product	AP - Payables
Schema Owner	AP

- **Columns Region** - It contains the Columns table for the selected database object. Each table row includes column Name, Datatype, Length, Mandatory, and Comments fields. Query Text **View** link is shown after the Columns table.

### Table Details Page: Columns Region

#### Columns

					Rows 1 to 24
Name	Datatype	Length	Mandatory	Comments	
AE_HEADER_ID	NUMBER	15	Yes	Accounting entry header identifier	
ACCOUNTING_EVENT_ID	NUMBER	15	Yes	Accounting event identifier	
SET_OF_BOOKS_ID	NUMBER	15	Yes	Set of books identifier	
AE_CATEGORY	VARCHAR2	30	Yes	Accounting entry category. The possible values come from GL_JE_CATEGORIES and are: Purchase Invoices, Payments, Reconciled Payments	
CROSS_CURRENCY_FLAG	VARCHAR2	1	Yes	Indicates whether this accounting entry header has accounting entry lines with different entered currencies. This is used by the GL Transfer program to set the journal category to CrossCurrency to enable GL to create the balancing journal line	
PERIOD_NAME	VARCHAR2	15	Yes	Accounting period name	
ACCOUNTING_DATE	DATE		Yes	Accounting date	
GL_TRANSFER_FLAG	VARCHAR2	1	Yes	Indicates whether accounting entry header has been successfully transferred to GL. Possible values are Y, N, E	
GL_TRANSFER_RUN_ID	NUMBER	15	Yes	Uniquely identifies a transfer to GL Batch for a particular set of books. It is set to -1 for all accounting entry headers which have not been transferred to GL	
DESCRIPTION	VARCHAR2	240	No	Accounting entry header description	
ORG_ID	NUMBER	15	No	Organization identifier	
CREATION_DATE	DATE		Yes	Standard who column - date when this row was created.	
CREATED_BY	NUMBER	15	Yes	Standard who column - user who created this row (foreign key to FND_USER.USER_ID).	
LAST_UPDATE_DATE	DATE		Yes	Standard Who column - date when a user last updated this row	

Query Text [View](#)

- In the Mandatory field, "Yes" is shown if a column is NOT NULL. Otherwise, "No" is displayed instead.
- Click the Query Text **View** link to display the Query Text pop-up window containing a SQL query that selects all the columns in the table.
- **Constraints Region** - The Constraints table for the selected database table is displayed in this region. Each row in the table includes the constraint Name, constraint Type, and constraint Column.

### Table Details Page: Constraints Region

#### Constraints





Name	Type	Column
AP_AE_HEADERS_PK	Primary Key	AE_HEADER_ID

For example, this selected table AP\_AE\_HEADERS\_ALL has the primary key AP\_AE\_HEADERS\_PK constraint and the column name AE\_HEADER\_ID.

- **Foreign Keys Region** - This region contains the Foreign Keys table. Each table row has the Table Name, Relationship, Foreign Table Name, and Foreign Key Column information.

### Table Details Page: Foreign Keys Region

#### Foreign Keys

Table Name	Relationship	Foreign Table Name	Foreign Key Column
AP_AE_HEADERS_ALL		AP_ACCOUNTING_EVENTS_ALL	ACCOUNTING_EVENT_ID
AP_AE_HEADERS_ALL		GL_SETS_OF_BOOKS_11I	SET_OF_BOOKS_ID
AP_AE_LINES_ALL		AP_AE_HEADERS_ALL	AE_HEADER_ID
AP_ENCUMBRANCE_LINES_ALL		AP_AE_HEADERS_ALL	AE_HEADER_ID

- Click a desired table name or foreign table name link to display the selected table details.
- In the Relationship column, an icon is shown representing many-to-one or one-to-one relationship.
- **Indexes Region** - It contains the Indexes table for the selected database object. Each table row has information about the indexes, including Index, Type, Uniqueness, Tablespace that holds the index, and table Column information that associated with the index.



### Table Details Page: Indexes Region

#### Indexes

Index	Type	Uniqueness	Tablespace	Column
AP_AE_HEADERS_U1	NORMAL	UNIQUE	APPS_TS_TX_IDX	AE_HEADER_ID
AP_AE_HEADERS_U2	NORMAL	UNIQUE	APPS_TS_TX_IDX	ACCOUNTING_EVENT_ID SET_OF_BOOKS_ID
AP_AE_HEADERS_N1	NORMAL	NONUNIQUE	APPS_TS_TX_IDX	GL_TRANSFER_FLAG
AP_AE_HEADERS_N2	NORMAL	NONUNIQUE	APPS_TS_TX_IDX	ACCOUNTING_DATE GL_TRANSFER_RUN_ID
AP_AE_HEADERS_N3	NORMAL	NONUNIQUE	APPS_TS_TX_IDX	ACCOUNTING_DATE

- **Storage Details Region** - This region contains storage information for the selected table.

### Table Details Page: Storage Details Region

#### Storage Details

Tablespace APPS\_TS\_TX\_DATA  
PCT Free 10

PCT Used

It includes the following fields:

- **Tablespace:** Name of the tablespace containing the table.
- **PCT Free:** Minimum percentage of free space in a block.
- **PCT Used:** Minimum percentage of used space in a block.
- **Dependencies Region** - This region provides the dependency information for the selected Table object, including:
  - All the references that the selected database object has on other database objects.
  - All the database objects that refer to the selected database object.

In this example, the AP\_AE\_HEADERS\_ALL table is only referenced by the AP\_AE\_HEADERS\_ALL# view, but it does not reference any other object. Therefore, only one dependency table is shown in this region.

## Table Details Page: Dependencies Region

### Dependencies

AP\_AE\_HEADERS\_ALL does not reference any database object

AP\_AE\_HEADERS\_ALL is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
<a href="#">AP_AE_HEADERS_ALL#</a>	VIEW		AP	

Return to: [Search Results](#)

Each referenced dependency table includes the following columns:

- **Object Name:** A dependent object name. Click the name link to display a corresponding Object Details page.  
  
For example, click the "AP\_AE\_HEADERS\_ALL#" link from the table to display the View Details page for AP\_AE\_HEADERS\_ALL#. For more information about this page, see Viewing View Details Page, page 6-6.
- **Object Type:** Database object type information.
- **Product:** An Oracle E-Business Suite product to which the dependent object belongs. It should be in the format of <application short name> - <application name>.
- **Schema Owner:** Database schema that owns the database object.
- **Dependency Code:** An icon is shown for those object types where source information is available. Click the **Dependency Code** icon to display the Source Code window for the selected object.

## Viewing View Details Page

You can access the View Details page when you locate a desired object with the "VIEW" object type through the following ways:

**Note:** Similar to the "TABLE" object type, the eTRM database objects of "VIEW" object type are also available from both the FND and DBA objects. Therefore, you can locate this type of objects from the FND Data Dictionary page and the DBA Data Dictionary page.

- In the Search Home page, enter free text search.
- In the FND Data Dictionary page, expand a Product folder in the **Products** tree node, and then the "Views" link.

- In the DBA Data Dictionary page, expand a Product folder in the **Applications Product Prefixes** tree node, then a Database Schema folder in the **Database Schemas** tree node, and then the "VIEW" link.
- In the DBA Data Dictionary page, expand a Database Schema folder in the **Database Schemas** tree node, and then the "VIEW" link.
- Select "VIEW" as the Object Type value in the FND Data Dictionary page or the DBA Data Dictionary page.
- Click the "VIEW" Object Type link in the Dependencies table from other database object details page, such as Table Details page.

After browsing the tree or performing a search, you can find objects with the "VIEW" object type displayed in the List of Objects search result table. Click an object name link (such as AP\_AE\_HEADERS\_ALL#) to display the View Details page. This page contains the following regions:

- **View Header** - It displays information about the selected view AP\_AE\_HEADERS\_ALL#, including Object Name, Object Type, Object Status, Product, Schema Owner, Source Definition, Description, and Comments.

**Note:** If the selected object is a DBA object (such as AP\_AE\_LINES\_ALL#), then the View Details page is shown under the DBA Dictionary tab.

#### View Details Page: View Header

The screenshot shows the 'View Details Page: View Header' for the object 'AP\_AE\_HEADERS\_ALL#'. The page has a header with 'eTRM' and navigation links for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the header, there is a 'Return to:' link pointing to 'Search Results | AP\_AE\_HEADERS\_ALL'. The main content area displays the object details for 'AP\_AE\_HEADERS\_ALL#'. The details are organized into two columns. The left column contains 'Object Name' (AP\_AE\_HEADERS\_ALL#), 'Object Type' (VIEW), 'Source Definition' (View HTML Formatted), 'Description', and 'Comments'. The right column contains 'Product' (AP), 'Schema Owner' (AP), and 'Object Status' (VALID).

Object Name	AP_AE_HEADERS_ALL#	Product	AP
Object Type	VIEW	Schema Owner	AP
Source Definition	View HTML Formatted	Object Status	VALID
Description			
Comments			

In the Source Definition field, click the **View HTML Formatted** link to display the Select Query in HTML format.

- **Columns Region** - This region contains the Columns table for the selected object. Each table row has column Name, Datatype, Length, Mandatory, and Comments. Click the Query Text **View** link to display a SQL query that selects all the columns in the table.

### View Details Page: Columns Region

#### Columns

Name	Datatype	Length	Mandatory	Comments
AE_HEADER_ID	NUMBER	15	Yes	
ACCOUNTING_EVENT_ID	NUMBER	15	Yes	
SET_OF_BOOKS_ID	NUMBER	15	Yes	
AE_CATEGORY	VARCHAR2	30	Yes	
CROSS_CURRENCY_FLAG	VARCHAR2	1	Yes	
PERIOD_NAME	VARCHAR2	15	Yes	
ACCOUNTING_DATE	DATE		Yes	
GL_TRANSFER_FLAG	VARCHAR2	1	Yes	
GL_TRANSFER_RUN_ID	NUMBER	15	Yes	
DESCRIPTION	VARCHAR2	240	No	

Query Text View

- **Dependencies Region** - Similar to the dependencies region in the Table Details page, this region provides the dependency information for the selected view, including:
  - All the references that the selected view has on other database objects.
  - All the database objects that refer to the selected view.

In this example, the AP\_AE\_HEADERS\_ALL# view is referencing the AP\_AE\_HEADERS\_ALL table, and is also referenced by AP\_AE\_HEADERS and AP\_AE\_HEADERS\_ALL. Therefore, two separate dependency tables are shown in this region.

### View Details Page: Dependencies Region

#### Dependencies

AP\_AE\_HEADERS\_ALL# is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
AP_AE_HEADERS_ALL	TABLE	AP - Payables	AP	

AP\_AE\_HEADERS\_ALL# is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
AP_AE_HEADERS	SYNONYM		APPS	
AP_AE_HEADERS_ALL	SYNONYM		APPS	

Return to: [Search Results](#) | [AP\\_AE\\_HEADERS\\_ALL](#)

Each table includes the Object Name, Object Type, Product, Schema Owner, and Dependency Code columns.

- Click the object name link to display the a corresponding Object Details page.  
For example, click the "AP\_AE\_HEADERS\_ALL" link from the table to display

the Table Details page for AP\_AE\_HEADERS\_ALL. For more information about this page, see Viewing Table Details Page, page 6-2.

- Click the **Dependency Code** icon to display the Source Code window for the selected object.

## Viewing File Details Page

The eTRM provides PDF diagrams and HTML reports and allows you to view them through the File Details page. To locate these diagrams and reports, you can navigate to the File Detail page using the following ways:

- For PDF diagrams, expand the **Browse eTRM** tree node in the Search Home page, and then the "PDF Files" folder, "Logical Data Models" folder, or "Summarization Diagram" folder.

See: Viewing a PDF File, page 6-9.

- For HTML reports, expand the **Browse eTRM** tree node in the Search Home page, and then the "HTML Files" folder.

See: Viewing an HTML Report, page 6-10.

- For both PDF diagrams and HTML reports
  - Expand a Product folder in the **Products** tree node of the FND Data Dictionary page, and then the "Diagrams & Reports" link.
  - Select "FILE" as the Object Type value in the FND Data Dictionary page.

After browsing the tree or performing a search, you can find objects with the "FILE" object type displayed in the List of Objects table. Click a file name link from the table to display the File Details page where you can view a report or diagram.

### Viewing a PDF File

If the selected object contains a PDF diagram, including ERD (Entity Relationship Diagram) or DBI diagram, the File Details page appears with "PDF Diagram" as the Object Type.

### File Details Page for a PDF File

eTRM

Search

FND Dictionary

DBA Dictionary

[Return to: Search Results](#)

**File: Concurrent Processing ERD.pdf**

Object Name	Concurrent Processing ERD.pdf	Product	FND - Application Object Library
Object Type	PDF Diagram	File Size	7.324 KBytes
Description	Concurrent Processing ERD.pdf		
Report	<a href="#">Concurrent Processing ERD.pdf</a>		

The File Details page contains information about the selected object, including Object Name (such as Concurrent Processing ERD.pdf), Object Type ("PDF Diagram" shown here), Product (such as FND - Applications Object Library), Description, File Size, and the Report PDF file name link.

Click the PDF file name link (such as `Concurrent Processing ERD.pdf`) to display the PDF report file details. You can have an option to save the PDF file.

### Viewing an HTML Report

If the selected object contains an HTML report, such as SYSADMIN\_Tables.html, the File Details page appears where "HTML Report" is shown as the Object Type.

### File Details Page for an HTML Report

eTRM

Search

FND Dictionary

DBA Dictionary

[Return to: Search Results](#)

**File: SYSADMIN\_Tables.html**

Object Name	SYSADMIN_Tables.html	Product	SYSADMIN - System Administration
Object Type	HTML Report	File Size	8.785 KBytes
Description	SYSADMIN_Tables.html is an html report that documents the table and view definitions for the SYSADMIN product.		
Report	<a href="#">SYSADMIN_Tables.html</a>		

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Similar to viewing a PDF file described earlier, this page contains the same fields, such as Object Name, Product, Object Type, File Size, Description, and Report link. Click the Report file name html link (such as `SYSADMIN_Tables.html`) to view the Table report specifically for the SYSADMIN - System Administration product.

For more information about the available HTML reports and how to generate these HTML reports, see Diagrams and Reports, page 7-1.

## Viewing Concurrent Program Details

You can view the Concurrent Program Details page in the FND Dictionary tab through

the following ways:

- Expand a Product folder in the **Products** tree node of the FND Data Dictionary page, and then the "Concurrent Programs" link.
- Select "CONCURRENT" as the Object Type value in the FND Data Dictionary page.

After browsing the tree or performing a search, you can find objects with the "CONCURRENT" object type displayed in the List of Objects search result table. Click an object name link to display the read-only Concurrent Program Details page.

### Concurrent Program Details Page

The screenshot shows the 'Concurrent Program Details Page' for the program 'GLPPOS'. The page has a header with 'eTRM' and navigation links for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the header, there is a 'Return to: Search Results' link. The main content area is titled 'Concurrent Program: GLPPOS' and contains a form with the following fields:

Enabled	<input checked="" type="radio"/> Yes <input type="radio"/> No	Program Name	Posting
Short Name	GLPPOS	Application	General Ledger
Description	Posting	Program Type	

Below the form, there is a tabbed interface with the following tabs: 'Executable', 'Parameters', 'Incompatibilities', 'Request', 'Onsite Setting', and 'Statistics'. The 'Executable' tab is currently selected, showing the following details:

Name	GLPPOS
Short Name	GLPPOS
Application	General Ledger
Execution Method	Spawned
Execution File Name	GLPPOS
Execution File Path	

At the bottom of the page, there is another 'Return to: Search Results' link.

For example, select a concurrent program called "GLPPOS" from the result table, the Concurrent Program Details page appears containing the following information:

- **Header Region:** This region contains general information for the selected concurrent program GLPPOS, including Enabled or Not Enabled, Program Name, Short Name, Application, Description, and Program Type.
- **Executable Tab:** This tab provides selected concurrent program general and executable details, including Name, Short Name, Application, and Execution Method, Execution File Name, and Execution File Path.
- **Parameters Tab:** This tab includes parameter information in a table. It includes the Parameter, Description, Enabled (Yes or No), Required (Yes or No), and Displayed (Yes or No) columns.

Click the **Details** triangle icon to display the parameter details.

Concurrent Program Details Page: Parameters Tab

ExecutableParametersIncompatibilitiesRequestOnsite SettingStatistics

☐ Recalculate Default Parameters

Details

Parameter	Description	Enabled	Required	Displayed
Ledger ID		Yes	Yes	No

Value SetGL\_SRS\_NULL\_NUM

Default TypeProfile

Range

Display Size15

Concatenated Desc Size25

Description

Default ValueGL\_SET\_OF\_BKS\_ID

Security EnabledNo

Token

Description Size50

PromptLedger ID

- Incompatibilities Tab:** This tab provides the incompatibility information for the selected concurrent program. This includes:
  - Conflict Domain Parameter
  - Run Alone** check box  
It indicates if this concurrent program is incompatible with all other programs.
  - Incompatible Programs table  
This table displays the incompatible program details. It includes the Application Name, Program Name, Scope, and Type columns.

Concurrent Program Details Page: Incompatibilities Tab

ExecutableParametersIncompatibilitiesRequestOnsite SettingStatistics

Conflict Domain Parameter

☐ Run Alone  
Incompatible with all other programs

Incompatible Programs

Application Name	Program Name	Scope	Type
Purchasing	Reset Period End Accrual Flags	Program Only	Global

- Request Tab:** This tab displays the concurrent request information in the Request Settings and Output Preferences regions.



### Concurrent Program Details Page: Request Tab

Executable	Parameters	Incompatibilities	Request	Onsite Setting	Statistics
<b>Request Settings</b>					
Type		Incrementor		Executable Options	
MLS Function		Refresh Portlet		Operating Unit Mode	
Activity Summarizer		<input type="checkbox"/> Allow Multiple Pending Requests <input type="checkbox"/> Allow Disabled Values <input checked="" type="checkbox"/> NLS Compliant		<input checked="" type="checkbox"/> Use in SRS <input checked="" type="checkbox"/> Restart on System Failure	
<b>Output Preferences</b>					
Format		Save		Print	
Columns		132		Rows 45	
Style		LANDSCAPE		<input type="checkbox"/> Style Required	

- **Request Settings:** This region contains the selected concurrent request details, including Type, Incrementor, MLS (Multi-Lingual Support) Function, Executable Options, Activity Summarizer, Refresh Portlet, Allow Multiple Pending Requests, Operating Unit Mode, Allow Disabled Values, Use in SRS, NLS Compliant, and Restart on System Failure fields or check boxes.
- **Output Preferences:** This region contains the output setting information after the concurrent program is run. It includes whether the output can be automatically saved and printed, along with the output setting details, such as Format, Columns, Rows, Style, and Style Required.
- **Onsite Setting Tab:** This tab provides details about the onsite settings. This includes the General, Target Settings, and Session Controls regions.

### Concurrent Program Details Page: Onsite Setting Tab

Executable	Parameters	Incompatibilities	Request	Onsite Setting	Statistics
<b>General</b>					
Priority		Printer		Retain for	
Template		Log Level for Failure		Number in days	
Security Group		<input type="checkbox"/> Enable Trace <input type="checkbox"/> Delete Log File		<input type="checkbox"/> Enable Time Statistics	
<b>Target Settings</b>					
Target Node		Target Instance			
<b>Session Controls</b>					
Consumer Group		Rollback Segment			
Optimizer Mode					

- **General:** This region contains the general settings for the selected concurrent program, including Priority, Printer, Template, Retain for, Security Group, Enable Trace, Delete Log File, Log Level for Failure, and Enable Time Statistics.
- **Target Settings:** This region displays the optional target node setting information, including the Target Node and Target Instance details.

- In the Last Run Details region, it contains the Request Id, Date, and Outcome fields.
- In the Statistics region, it includes how many requests have been successfully completed, completed with warning, and completed with error, as well as minimum, maximum, and average run time information.

Executable	Parameters	Incompatibilities	Request	Onsite Setting	Statistics
<b>Last Run Details</b>				<b>Statistics</b>	
Request Id	41465017			Successfully Completed	15069
Date	03-Jan-2012			Completed with Warning	3269
Outcome	Normal			Completed with Error	71
				Minimum Run Time	0
					<a href="#">FND_NUMBER_IN_MINUTES</a>
				Maximum Run Time	210
					<a href="#">FND_NUMBER_IN_MINUTES</a>
				Average Run Time	7.36291338060839
					<a href="#">FND_NUMBER_IN_MINUTES</a>

## Viewing Lookup Type Details Page

- Expand a Product folder in the **Products** tree node of the FND Data Dictionary page, and then the "Lookup Types" link.
- Select "LOOKUPTYPE" as the Object Type value in the FND Data Dictionary page.

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## Lookup Type Details Page

eTRM

Search
FND Dictionary
DBA Dictionary

Return to: [Search Results](#)

**Lookup Type : FOB\_VALUES**

Name
Code
Description
Application Name
Access

FOB values
FOB\_VALUES
PO - Purchasing
User

**Lookup Codes**

Code	Meaning	Description	Tag	Effective From	Effective To	Enabled
DEST	Destination	Destination		29-Oct-2009		<input checked="" type="checkbox"/>
FOBP	FoB Point	FoB Point		29-Oct-2009		<input checked="" type="checkbox"/>
GFP	Government Furnished Property (GFP)	Government Furnished Property (GFP)		29-Oct-2009		<input checked="" type="checkbox"/>
I-FOBP	Intermediate FoB Point	Intermediate FoB Point		29-Oct-2009		<input checked="" type="checkbox"/>
OSP	Origin (Shipping Point)	Origin (Shipping Point)		29-Oct-2009		<input checked="" type="checkbox"/>
OAL	Origin (After Loading)	Origin (After Loading)		29-Oct-2009		<input checked="" type="checkbox"/>
POL	Port of Loading	Port of Loading		29-Oct-2009		<input checked="" type="checkbox"/>
OTH	Other	Other		29-Oct-2009		<input checked="" type="checkbox"/>
WGL	Worldwide Geographic Location	Worldwide Geographic Location		29-Oct-2009		<input checked="" type="checkbox"/>
TERM	Terminal	Terminal		29-Oct-2009		<input checked="" type="checkbox"/>

Return to: [Search Results](#)

- **Lookup Type Header** - It displays general information about the selected lookup type (such as FOB\_VALUES), including Name, Code, Description, Application Name, and Access.
- **Lookup Codes Region** - This region contains the Lookup Codes table for the selected object. Each table row includes the Code, Meaning, Description, Tag, Effective From, Effective To, and Enabled columns.

## Viewing Business Event Details Page

Business Event Details page provides event and subscription information. You can browse or search a business event through the following ways:

- Expand a Product folder in the **Products** tree node of the FND Data Dictionary page, and then the "Workflow Events" link.
- Select "EVENT" as the Object Type value in the FND Data Dictionary page.

After browsing the tree or performing a search, you can find objects with the "EVENT" object type displayed in the List of Objects search result table. Click an object name link to display the Business Event Details page.

## Business Event Details Page

eTRM

[Search](#) | [FND Dictionary](#) | [DBA Dictionary](#)

[Return to: Search Results](#)

**Business Event: oracle.apps.ap.inv.invoice.recv**

Object Name	Invoice Inbound Event	Product	SQLAP - Oracle Payables
Object Type	Event	Object Status	Enabled
Internal Name	oracle.apps.ap.inv.invoice.recv	Customization Level	Limit
Description	Invoice Inbound Event		
Generate Function	-		
Java Generate Function	-		

**Subscriptions**

SourceType	ActionType	RuleFunction	WorkflowProcess	Description	Status
Local		ecx_rule.inbound_rule	-/-	Invoice Inbound Event	Enabled
Local		ecx_rule.inbound_rule	-/-	Invoice Inbound Event	Enabled

[Return to: Search Results](#)

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For example, click the `oracle.apps.ap.inv.invoice.recv` link from the search result table to display the Business Event Details page for the selected event with the following regions:

- **Header** - It displays information about the selected event, including the following fields:
  - **Object Name:** It is a display name of the selected event, such as "Invoice Inbound Event".
  - **Object Type:** Its value can be "Event" or "Event Group".
  - **Internal Name:** It is the internal name of the selected event, such as `oracle.apps.ap.inv.invoice.recv`.
  - **Description:** It is the description information about the selected event.
  - **Product:** It indicates an Oracle E-Business Suite product in <application short name> - <application name> format.
  - **Object Status:** Its value can be "Enabled" or "Disabled".
  - **Customization Level:** Its value can be "Core", "Limit", or "User".
  - **Generate Function:** It displays the PL/SQL generate function information if the subscription requires it during the event raise.
  - **Java Generate Function:** It displays the Java generate function information if the subscription requires it to be executed in the application tier.

- **Subscriptions Region** - This region contains the Subscriptions table where you can find all the subscriptions to the selected business event, `oracle.apps.ap.inv.invoice.recv`. Each row in this table includes the following information:
  - **Source Type:** It's the event source to which the subscription applies. Its value can be "Local", "External", or "Error".
  - **Action Type:** It's the subscription processing to be performed when a triggering event occurs. For example, "Launch Workflow" action type is to send the event message to launch or continue a workflow process.
  - **Rule Function:** It contains the business logic to be run for the event.
  - **Workflow Process:** It is represented in `<wf_process_type>/<wf_process_name>` format.
  - **Description:** It is the description information about the subscription.
  - **Status:** Its value can be "Enabled" or "Disabled".

## Viewing Package Details Page and Package Body Details Page

The Package Details page and the Package Body Details page are similar. They contain the same general information in the Header region and they are interlinked with each other.

You can locate these two pages through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "PACKAGE" or "PACKAGE BODY" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "PACKAGE" or "PACKAGE BODY" link.
- Select "PACKAGE" or "PACKAGE BODY" as the Object Type value in the DBA Data Dictionary page.
- Click the "PACKAGE" or "PACKAGE BODY" Object Type link in the Dependencies table from other database object details page, such as Trigger, Package, Package Body page.

After performing a search or browsing the tree, you can find objects with the "PACKAGE" or "PACKAGE BODY" object type shown in the List of Objects search result table. Click an object name link (such as APPS\_ARRAY\_DDL package or package body) to display the Package Details page or the Package Body Details page.

## Package Details Page

The screenshot shows the 'Package Details Page' for the 'APPS\_ARRAY\_DDL' package. The page is part of the 'eTRM' application, with navigation links for 'Search', 'FND Dictionary', and 'DBA Dictionary'. A 'Return to: Search Results' link is present. The package details are as follows:

Object Name	Object Type	Object Status	Source Definition	Product	Schema Owner
APPS_ARRAY_DDL	PACKAGE	VALID	<a href="#">Package</a> <a href="#">Package Body</a> <a href="#">SQL Statements</a>	AP	AP

**Dependencies**

APPS\_ARRAY\_DDL is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
DBMS_SQL	SYNONYM		PUBLIC	
STANDARD	PACKAGE		SYS	

APPS\_ARRAY\_DDL is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
APPS_ARRAY_DDL	PACKAGE BODY		AP	

Return to: [Search Results](#)

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For example, the APPS\_ARRAY\_DDL Package Details page and the APPS\_ARRAY\_DDL Package Body Details page both contain the same regions as follows:

- **Package Header or Package Body Header** - It displays information about the selected APPS\_ARRAY\_DDL package or package body, including Object Name, Object Type, Object Status, Product, Schema Owner, and Source Definition. Source Definition includes the following links:
  - **Package:** This link displays the source code of the selected package, along with the line number.
  - **Package Body:** This link displays the source code of the selected package body details, along with the line number.
  - **SQL Statements:** This link displays the SQL lines containing SELECT, INSERT, UPDATE and DELETE statements.
- **Dependencies Region** - Similar to the Dependencies region described earlier in other object details page, this region provides the dependency information for the selected package or package body, including:
  - All the references that the selected package or package body has on other

database objects.

- All the database objects that refer to the selected package or package body.


For example, the APPS\_ARRAY\_DDL package is referencing the DBMS\_SQL synonym and the STANDARD package, and is also referenced by the APPS\_ARRAY\_DDL package body. Therefore, two separate dependency tables are shown in this region.

- Click the object name link to display a corresponding object details page.

For example, click the "APPS\_ARRAY\_DDL" package body link from the table to display the Package Body Details page for APPS\_ARRAY\_DDL.

- Click the **Dependency Code** icon if available to display the Source Code window for the selected object. For example, click the **Dependency Code** icon for the "APPS\_ARRAY\_DDL" package body to show the dependency details in the Source Code window.

### Source Code Window



The screenshot shows a window titled "Source Code" with a close button (X) in the top right corner. The window contains the following text:

```
AP.APPS_ARRAY_DDL dependencies on APPS_ARRAY_DDL

1: package body APPS_ARRAY_DDL as
1: package body APPS_ARRAY_DDL as
2: /* $Header: adaaddlb.pls 120.0.12020000.2 2014/11/26 12:19:50 asutral ship $ */
3: procedure apps_array_ddl
4: (lb in integer,
5: ub in integer)

3: procedure apps_array_ddl
1: package body APPS_ARRAY_DDL as
2: /* $Header: adaaddlb.pls 120.0.12020000.2 2014/11/26 12:19:50 asutral ship $ */
3: procedure apps_array_ddl
4: (lb in integer,
5: ub in integer)
6: is
7: begin

8: apps_array_ddl
4: (lb in integer,
5: ub in integer)
6: is
7: begin
8: apps_array_ddl
9: (lb => lb,
10: ub => ub,
11: newline_flag => 'FALSE');
12: end;

14: procedure apps_array_ddl
10: ub => ub,
11: newline_flag => 'FALSE');
```

If the selected object is an object of "Package Body" type, such as APPS\_ARRAY\_DDL, the Package Body Details page appears.



## Package Body Details Page

The screenshot displays the 'Package Body Details Page' for the object 'APPS\_ARRAY\_DDL'. The page includes a navigation bar with 'eTRM', 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the navigation bar, there is a 'Return to: Search Results | APPS\_ARRAY\_DDL' link. The main section is titled 'Package Body: APPS\_ARRAY\_DDL'. It contains a table with the following information:

Object Name	APPS_ARRAY_DDL	Product	
Object Type	PACKAGE BODY	Schema Owner	AP
Object Status	VALID		
Source Definition	<a href="#">Package</a> <a href="#">Package Body</a> <a href="#">SQL Statements</a>		

Below this table is the 'Dependencies' section. It states 'APPS\_ARRAY\_DDL is referencing the following:' and shows a table with the following data:

Object Name	Object Type	Product	Schema Owner	Dependent Code
APPS_ARRAY_DDL	PACKAGE		AP	
DBMS_SQL	SYNONYM		PUBLIC	
STANDARD	PACKAGE		SYS	

Below the table, it states 'APPS\_ARRAY\_DDL is not referenced by any database object'. At the bottom, there is a 'Return to: Search Results | APPS\_ARRAY\_DDL' link. The footer contains copyright information: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and links for 'About this Page' and 'Privacy Statement'.

In the Dependencies region, this package body APPS\_ARRAY\_DDL is only referencing APPS\_ARRAY\_DDL, DBMS\_SQL, and STANDARD. It is not referenced by any database objects. Therefore, only one dependency table is shown in this region.

Click any of the link in the table to view the object details page. For example, click the "APPS\_ARRAY\_DDL" link from the table to display the Package Details page.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

Click the **Dependency Code** icon if available to display the dependency details for the selected object.

## Viewing Procedure Details Page, Function Details Page, Java Source Details Page, and Type Body Details Page

Object types "PROCEDURE", "FUNCTION", "JAVA SOURCE", and "TYPE BODY" contain similar information in the object details page. You can browse or search objects of these object types through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "PROCEDURE", "FUNCTION", "JAVA SOURCE", or "TYPE BODY" link.

- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "PROCEDURE", "FUNCTION", "JAVA SOURCE", or "TYPE BODY" link.
- Select "PROCEDURE", "FUNCTION", "JAVA SOURCE", or "TYPE BODY" as the Object Type value in the DBA Data Dictionary page.
- Click the "PROCEDURE", "FUNCTION", "JAVA SOURCE", or "TYPE BODY" Object Type link in the Dependencies table from other database object details page, such as Trigger, Package, Package Body page.

After performing a search or browsing the tree, you can find objects with the "PROCEDURE", "FUNCTION", "JAVA SOURCE", or "TYPE BODY" object type shown in the List of Objects search result table. Click an object name link to display the Procedure Details page, Function Details page, Java Source Details page, or Type Body Details page.

### Procedure Details Page

The screenshot displays the 'eTRM' interface with tabs for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the tabs, there is a 'Return to: Search Results' link. The main heading is 'Procedure: ATP\_INVENTORY\_CHECK'. Below this, a table provides object details:

Object Name	ATP_INVENTORY_CHECK	Product	
Object Type	PROCEDURE	Schema Owner	APPS
Object Status	VALID		
Source Definition	<a href="#">View Source</a>		

Below the object details is a 'Dependencies' section. It states: 'ATP\_INVENTORY\_CHECK is referencing the following:'. A table lists the referenced objects:

Object Name	Object Type	Product	Schema Owner	Dependent Code
DBMS_OUTPUT	SYNONYM		PUBLIC	
DUAL	SYNONYM		PUBLIC	
FND_GLOBAL	PACKAGE	FND - Application Object Library	APPS	
MRP_ATP_PUB	PACKAGE	MRP - Master Scheduling/MRP	APPS	
MSC_ATP_GLOBAL	PACKAGE	MSC - Advanced Supply Chain Planning	APPS	
MTL_SYSTEM_ITEMS	SYNONYM		APPS	
OE_ORDER_SCH_UTIL	PACKAGE	OE - Order Entry	APPS	
STANDARD	PACKAGE		SYS	
SYS_STUB_FOR_PURITY_ANALYSIS	PACKAGE		SYS	
VSPARAMETER	SYNONYM		PUBLIC	

Below the dependencies table, it states: 'ATP\_INVENTORY\_CHECK is not referenced by any database object'. At the bottom, there is a 'Return to: Search Results' link and a footer with copyright information: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and links for 'About this Page' and 'Privacy Statement'.

These four object details pages contain the same regions as follows:

- **Procedure Header, Function Header, Java Source Header, or Type Body Header** - This header provides general information for the selected object. It includes Object Name, Object Type, Object Status, Product, Schema Owner, and Source Definition.

In the Source Definition field, click the **View Source** link to display the source code of the selected object, along with the line number.

For example, an object of "PROCEDURE" object type called ATP\_INVENTORY\_CHECK is selected from the search result table. After clicking the **View Source** link, you will find the source code of the selected procedure displayed in the View Source window.

#### View Source Window



```

PROCEDURE: APPS.ATP_INVENTORY_CHECK

Source

1 procedure atp_inventory_check
2 (
3   S_Item_Name      IN   CHAR,
4   S_Quantity       IN   NUMBER,
5   S_Shipped_Quantity OUT NUMBER,
6   S_Cum_Quantity   OUT NUMBER,
7   S_Total_Supply   OUT NUMBER
8 )
9
10 IS
11   l_atp_rec          MRP_ATP_PUB.ATP_Rec_Typ;
12   p_atp_rec          MRP_ATP_PUB.ATP_Rec_Typ;
13   x_atp_rec          MRP_ATP_PUB.ATP_Rec_Typ;
14   x_atp_supply_demand MRP_ATP_PUB.ATP_Supply_Demand_Typ;
15   x_atp_period       MRP_ATP_PUB.ATP_Period_Typ;
16   x_atp_details      MRP_ATP_PUB.ATP_Details_Typ;
17   x_return_status    VARCHAR2(2000);
18   x_msg_data         VARCHAR2(500);
19   x_msg_count        NUMBER;
20   l_session_id       NUMBER;
21   l_error_message    VARCHAR2(250);
22   x_error_message    VARCHAR2(80);
23   i                 NUMBER;
24   v_file_dir         VARCHAR2 (80);
25 BEGIN
26   fnd_global.apps_initialize(1068,21634,724);
27   msc_atp_GLOBAL.Extend_Atp(l_atp_rec,x_return_status,1);
28
29
30   l_atp_rec.Inventory_Item_Name(1) := S_Item_Name;
31   l_atp_rec.Quantity_Ordered(1)   := S_Quantity;
32   l_atp_rec.Quantity_UOM(1)       := 'Ea';
33   l_atp_rec.Requested_Ship_Date(1) := TO_DATE(SYSDATE);
34   l_atp_rec.Action(1)              := 100;
35   l_atp_rec.Instance_Id(1)         := 21;
36   l_atp_rec.Source_Organization_Id(1) := 207;
37   l_atp_rec.OE_Flag(1)             := 'N';
38   l_atp_rec.Customer_Id(1)         := null;
39   l_atp_rec.Customer_Site_Id(1)    := null;
40   l_atp_rec.Calling_Module(1)      := 660;
41   l_atp_rec.Row_Id(1)              := null;
42   l_atp_rec.Source_Organization_Code(1) := null;
43   l_atp_rec.Organization_Id(1)     := null;
44   l_atp_rec.Org_Controlling_Inst(1) := null;

```

- **Dependencies Region** - This region provides the dependency information for the selected object, including all the objects that this selected object is referencing and all the objects that refer to this selected object.

Note that the selected object discussed here can be an object of any four object types. The dependency information for each object type is further explained as follows:

- **Procedure Details Page**

For example, ATP\_INVENTORY\_CHECK is referencing many packages and synonyms, but it is not referenced by any other objects. Therefore, only one dependency table is shown in the Dependencies region.

- Click the object name link to display a corresponding object details page. For example, click the "MRP\_ATP\_PUB" package link from the table to view the Package Details page. See: Viewing Package Details Page and Package Body Details Page, page 6-17.
- Click the **Dependency Code** icon if available to display the Source Code window for the selected object.

- **Function Details Page**

If an object of "FUNCTION" object type called "ALR\_ACTIONS=" is selected, then the Function Details page appears. In the Dependencies region, since "ALR\_ACTIONS=" is only referencing the STANDARD package and it is not referenced by any other objects, one dependency table is shown in the region.

#### Function Details Page

The screenshot shows the eTRM interface for the Function Details page. At the top, there's a navigation bar with 'eTRM', 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below this, a 'Return to: Search Results' link is present. The main heading is 'Function: ALR\_ACTIONS='. Below the heading, a table displays object details:

Object Name	ALR_ACTIONS=	Product	ALR - Alert
Object Type	FUNCTION	Schema Owner	APPS
Object Status	VALID		
Source Definition	<a href="#">View Source</a>		

Below this, the 'Dependencies' section is titled 'ALR\_ACTIONS= is referencing the following:'. It contains a table with one dependency:

Object Name	Object Type	Product	Schema Owner	Dependent Code
STANDARD	PACKAGE		SYS	

Below the dependency table, a message states: 'ALR\_ACTIONS= is not referenced by any database object'. At the bottom, there's a 'Return to: Search Results' link. The footer contains copyright information: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and links for 'About this Page' and 'Privacy Statement'.

Click the STANDARD package link to display the corresponding Package Details page.

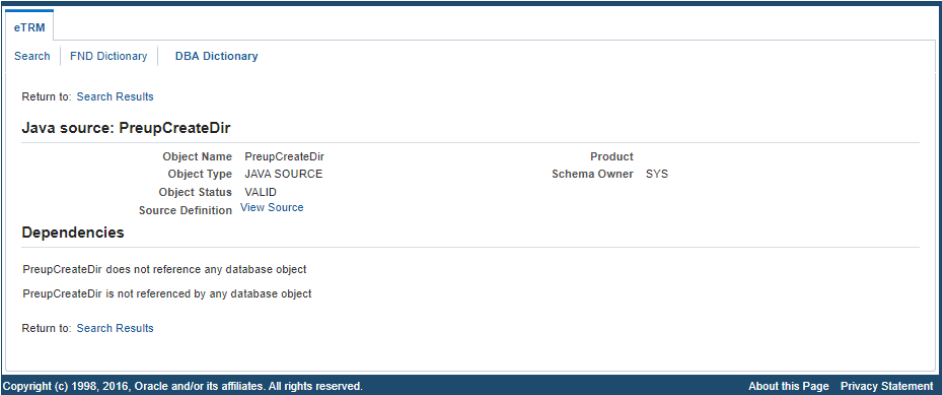
For more information about the object details page, see Viewing DBA Object Details, page 5-8.

Click the **Dependency Code** icon if available to display the Source Code window for the selected object.

- **Java Source Details Page**

If an object of "JAVA SOURCE" type called PreupCreateDir is selected, then the Java Source Details page appears.

**Java Source Details Page**



In the Dependencies region, PreupCreateDir is neither referencing nor referenced by any database object; therefore, there is no dependency table shown in the region.

If your selected object contains any dependency table, you can click a desired object to view the object details or click the **Dependency Code** icon if available to display the Source Code window for the selected object.

- **Type Body Details Page**

If the selected object is "TYPE BODY" object type, such as HZ\_PAYMENT\_METHOD\_OBJ, the Type Body Details page appears.

### Type Body Details Page

The screenshot shows the 'Type Body Details Page' for the object 'HZ\_PAYMENT\_METHOD\_OBJ'. The page has a header with 'eTRM' and navigation links for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the header, there is a 'Return to: Search Results' link. The main content area displays the object details for 'HZ\_PAYMENT\_METHOD\_OBJ', including its name, type (TYPE BODY), status (VALID), and schema owner (APPS). A 'Dependencies' section follows, stating that 'HZ\_PAYMENT\_METHOD\_OBJ' is referencing the following objects. A table lists these dependencies:

Object Name	Object Type	Product	Schema Owner	Dependent Code
HZ_PAYMENT_METHOD_OBJ	TYPE		APPS	
STANDARD	PACKAGE		SYS	

Below the table, it states that 'HZ\_PAYMENT\_METHOD\_OBJ' is not referenced by any database object. At the bottom, there is a 'Return to: Search Results' link and a footer with copyright information and links for 'About this Page' and 'Privacy Statement'.

In the Dependencies region, this selected object HZ\_PAYMENT\_METHOD\_OBJ is referencing two objects, but it is not referenced by any other objects. Therefore, only one dependency table is shown in this region.

- Click the object name link to display a corresponding object details page. For example, click the "STANDARD" link from the table to display the Package Details page for the selected object STANDARD.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

- Click the **Dependency Code** icon, for package STANDARD in this example, to display the Source Code window for STANDARD.

## Viewing Type Details Page

You can browse the tree or search for this type of objects through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "TYPE" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "TYPE" link.

- Select "TYPE" as the Object Type value in the DBA Data Dictionary page.
- Click the "TYPE" Object Type link in the Dependencies table from other database object details page, such as Trigger, Package, Package Body page.

After browsing the tree or performing a search, you can find objects with the "TYPE" object type displayed in the List of Objects table. Click an object name link from the table to display the Type Details page.

### **Region Displayed Based on the Type Code Value**

The Type Details page contains some common regions and the regions that are determined based on the Type Code value of a selected object.

- Common regions:
  - Header region
  - Type Details region
  - Dependencies region
- Regions depending on the Type Code value:
  - If "Collection" is the Type Code value, then the *Collection* region is shown.  
See For a Type Object with the "Collection" Type Code Value, page 6-27.
  - If "Object" is the Type Code value, then the *Attributes* region and *Methods* region are shown.  
See For a Type Object with the "Object" Type Code Value, page 6-29.

### ***For a Type Object with the "Collection" Type Code Value***

The Type Details page includes the following regions if the selected object has the Type Code value "Collection":

## Type Details Page with the "Collection" Type Code

eTRM

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**Type : INV\_EBI\_ORG\_TBL**

Object Name	INV_EBI_ORG_TBL	Product	INV - Inventory
Object Type	TYPE	Schema Owner	APPS
Object Status	VALID		

**Type Details**


Type Code	COLLECTION
Predefined	NO
Incomplete	NO

**Collection Details**





Collection Type	TABLE
Element Type	<a href="#">INV_EBI_ORG_OBJ</a>

**Dependencies**

INV\_EBI\_ORG\_TBL is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
INV_EBI_ORG_OBJ	TYPE	INV - Inventory	APPS	
STANDARD	PACKAGE		SYS	

INV\_EBI\_ORG\_TBL is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
GMD_EBI_RECIPES_PUB	PACKAGE BODY	GMD - Process Manufacturing Product Development	APPS	
INV_EBI_CHANGE_ORDER_HELPER	PACKAGE BODY	INV - Inventory	APPS	
INV_EBI_ITEM_HELPER	PACKAGE	INV - Inventory	APPS	
INV_EBI_ITEM_HELPER	PACKAGE BODY	INV - Inventory	APPS	
INV_EBI_ITEM_OBJ	TYPE	INV - Inventory	APPS	

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- **Type Header** - This region includes the general information for the selected Type object, including Object Name, Object Type, Object Status, Product, and Schema Owner.

For example, the Header region for INV\_EBI\_ORG\_TBL includes the following values:

- **Object Name:** INV\_EBI\_ORG\_TBL
- **Object Type:** TYPE
- **Object Status:** Valid
- **Product:** INV-Inventory
- **Schema Owner:** APPS



- **Type Details Region** - This region provides the selected type object details.
  - **Type Code:** Its value could be either "Collection" or "Object". In this example, "Collection" is shown for the selected object INV\_EBI\_ORG\_TBL.
  - **Predefined:** It indicates whether the selected object is Predefined (YES) or not (NO).
  - **Incomplete:** It indicates whether the selected object is Incomplete type (YES) or not (NO).
- **Collection Details Region: ("Collection" Type Code Only)** This region is shown only for the selected object with the "Collection" Type Code value. It includes the following fields:
  - **Collection Type:** Type of the collection. Its value could be "Varying Array", "Table", etc. In this example, "Table" is displayed for the selected object INV\_EBI\_ORG\_TBL.
  - **Element Type:** Name of the data type. In this example, INV\_EBI\_ORG\_OBJ is displayed here. Click the element type INV\_EBI\_ORG\_OBJ link to see the Type Details page for INV\_EBI\_ORG\_OBJ.
- **Dependencies Region** - This region provides the dependency information for the selected object, including all the objects that this selected object is referencing and all the objects that refer to this selected object.
 

For example, INV\_EBI\_ORG\_TBL is referencing two objects, and is also referenced by many other objects. Therefore, two dependency tables are shown in this region.

  - Click the object name link to display a corresponding object details page. For example, click the "STANDARD" link from the table to display the Package Details page for the selected object STANDARD.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

  - Click the **Dependency Code** icon, such as for the package INV\_EBI\_ITEM\_HELPER in this example, to display the Source Code window.

*For a Type Object with the "Object" Type Code Value*

The Type Details page contains the following regions if the selected object, such as PO\_SUPPLIER\_ITEM\_CAPACITY\_REC, has "Object" as its Type Code value:

## Type Details Page with the "Object" Type Code

eTRM

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**Type : PO\_SUPPLIER\_ITEM\_CAPACITY\_REC**

Object Name	PO_SUPPLIER_ITEM_CAPACITY_REC	Product	PO - Purchasing
Object Type	TYPE	Schema Owner	APPS
Object Status	VALID		

**Type Details**

Type Code	OBJECT
Predefined	NO
Incomplete	NO

**Attributes**

Name	Datatype	Length	Precision
USER_KEY	PO_TBL_NUMBER		
PROCESS_ACTION	PO_TBL_VARCHAR30		
USING_ORGANIZATION_ID	PO_TBL_NUMBER		
USING_ORGANIZATION_DSP	PO_TBL_VARCHAR240		
FROM_DATE_DSP	PO_TBL_DATE		
TO_DATE_DSP	PO_TBL_DATE		
CAPACITY_PER_DAY_DSP	PO_TBL_NUMBER		
ATTRIBUTE_CATEGORY	PO_TBL_VARCHAR30		
ATTRIBUTE1	PO_TBL_VARCHAR240		
ATTRIBUTE2	PO_TBL_VARCHAR240		

**Methods**

Name	Parameters	Result
PO_SUPPLIER_ITEM_CAPACITY_REC	SELF (PO_SUPPLIER_ITEM_CAPACITY_REC)	PO_SUPPLIER_ITEM_CAPACITY_REC

**Dependencies**

PO\_SUPPLIER\_ITEM\_CAPACITY\_REC is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
PO_TBL_DATE	TYPE	PO - Purchasing	APPS	
PO_TBL_NUMBER	TYPE	PO - Purchasing	APPS	
PO_TBL_VARCHAR240	TYPE	PO - Purchasing	APPS	
PO_TBL_VARCHAR30	TYPE	PO - Purchasing	APPS	

PO\_SUPPLIER\_ITEM\_CAPACITY\_REC is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
PO_AS_API_PUB	PACKAGE	PO - Purchasing	APPS	
PO_AS_API_PUB	PACKAGE BODY	PO - Purchasing	APPS	
PO_AS_API_PVT	PACKAGE	PO - Purchasing	APPS	
PO_AS_API_PVT	PACKAGE BODY	PO - Purchasing	APPS	
PO_SUPPLIER_ITEM_CAPACITY_REC	TYPE BODY	PO - Purchasing	APPS	

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- **Type Header** - This region includes the general information for the selected object, including Object Name, Object Type, Object Status, Product, and Schema Owner.
- **Type Details Region** - This region includes the following fields:

- **Type Code:** In this example, "Object" is displayed as the value for the selected PO\_SUPPLIER\_ITEM\_CAPACITY\_REC object.
- **Predefined:** It indicates whether the selected object is Predefined (YES) or not (NO).
- **Incomplete:** It indicates whether the selected object is Incomplete type (YES) or not (NO).
- **Attributes Region: ("Object" Type Code Only)** This region is shown only for the selected object with the "Object" Type Code. It includes the Attributes table with the Name, Datatype, Length, and Precision columns.

Click the desired data type link in the table to display the corresponding object details page. For example, click the PO\_TBL\_NUMBER data type link for the attribute name "USER\_KEY" to open the Object Details page for PO\_TBL\_NUMBER.

- **Methods Region: ("Object" Type Code Only)** Similar to the Attributes region, this region is also shown only for the selected object with the "Object" Type Code. This region contains the Methods table with the following columns:

- **Name:** The method name is shown here.
- **Parameters:** It displays a list of parameters in the following format:

Parameter Name (Data type)

In this example, Self (PO\_SUPPLIER\_ITEM\_CAPACITY\_REC) is listed in the Parameters column for a method name called PO\_SUPPLIER\_ITEM\_CAPACITY\_REC.

Click the PO\_SUPPLIER\_ITEM\_CAPACITY\_REC data type link to display the Object Details page for PO\_SUPPLIER\_ITEM\_CAPACITY\_REC.

- **Result:** It displays the result returned by the method. Click the result name link if available to display the corresponding object details page.
- **Dependencies Region** - This region provides the dependency information for the selected object, including all the objects that this selected object is referencing and all the objects that refer to this selected object.

For example, the selected object PO\_SUPPLIER\_ITEM\_CAPACITY\_REC is referencing a few database objects, and it is also referenced by many other objects. Therefore, two dependency tables are shown in this region.

- In this example, you can click the PO\_TBL\_DATE link to display a corresponding object details page.

For more information about the object details page, see Viewing Object Details

Page, page 6-1.

- Click the **Dependency Code** icon, such as PO\_ASL\_API\_PUB in this example, to display the Source Code window.

## Viewing Trigger Details Page

You can browse or search the objects to locate the Trigger Details page through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "TRIGGER" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "TRIGGER" link.
- Select "TRIGGER" as the Object Type value in the DBA Data Dictionary page.
- Click the "TRIGGER" Object Type link in the Dependencies table from other database object details page, such as Trigger, Synonym page.

After browsing the tree or performing a search, you can click a desired Trigger object from the List of Objects search result table to display the Trigger Details page.

## Trigger Details Page

The screenshot shows the 'eTRM' interface with tabs for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the tabs is a 'Return to: Search Results' link. The main heading is 'Trigger: WH\_TRG\_RA\_REGIONS'. Below this, a table displays object details:

Object Name	WH_TRG_RA_REGIONS	Product	
Object Type	TRIGGER	Schema Owner	AR
Object Status	ENABLED		
Source Definition	<a href="#">View Source Definition</a>		
Base object	<a href="#">RA_REGIONS#</a>		

Below the table is a section titled 'Dependencies'. It states: 'WH\_TRG\_RA\_REGIONS is referencing the following:'. Below this is a table with icons and a table of dependencies:

Object Name	Object Type	Product	Schema Owner	Dependent Code
RA_REGIONS#	VIEW		AR	
STANDARD	PACKAGE		SYS	

Below the table, it states: 'WH\_TRG\_RA\_REGIONS is not referenced by any database object'. At the bottom, there is a 'Return to: Search Results' link and a footer with copyright information and links for 'About this Page' and 'Privacy Statement'.

For example, click the object of "TRIGGER" object type called WH\_TRG\_RA\_REGIONS from the table to see the Trigger Details page with the following regions:

- **Trigger Header** - This region contains general information about the selected object, including Object Name, Object Type, Object Status, Product, Schema Owner, Source Definition, and Base Object.

In the Source Definition field, click the **View Source Definition** link to display Source Definition window for the selected Trigger object. The source information includes description, type, triggering event, column, when, referencing, and trigger body.

Base Object is the object on which the trigger is defined. It is displayed as <Table Owner>\_<Table Name>. Click the base object name link if available to display the corresponding object details page. In this example, click the Base Object RA\_REGIONS# link to display the View Details Page for the RA\_REGIONS# view.

- **Dependencies Region** - This region provides the dependency information for the selected object, including all the objects that this selected Trigger object is referencing and all the objects that refer to this selected Trigger object.

For example, WH\_TRG\_RA\_REGIONS is referencing two objects, but it is not referenced by any other objects. Therefore, only one dependency table is shown in this region.

Each table includes the Object Name, Object Type, Product, Schema Owner, and Dependency Code columns.

- Click the object name link to display a corresponding object details page. For

example, click the "STANDARD" link from the table to display the Package Details page for STANDARD.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

- Click the **Dependency Code** icon for a desired object, such as STANDARD in this example, to display the Source Code window for STANDARD.

## Viewing Queue Details Page

You can browse or search the objects to locate the Queue Details page through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "QUEUE" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "QUEUE" link.
- Select "QUEUE" as the Object Type value in the DBA Data Dictionary page.
- Click the "QUEUE" Object Type link in the Dependencies table from other database object details page, such as Trigger page, Package Body page, etc.

After browsing the tree or performing a search, you can click a desired object from the List of Objects search result table to display the Queue Details page.

## Queue Details Page

eTRM

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**Queue: WF\_DEFERRED**

Object Name	WF_DEFERRED	Product	
Object Type	QUEUE	Schema Owner	APPLSYS
Object Status	VALID		

**Queue Details**

Queue Table	WF_DEFERRED
Queue Type	NORMAL_QUEUE
Max Retries	5
Retry Delay	3600
Enqueue Enabled	YES
Dequeue Enabled	YES
Retention	86400
Comment	Workflow event system default queue

**Dependencies**

WF\_DEFERRED is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
AQS_WF_DEFERRED_H	TABLE		APPLSYS	
AQS_WF_DEFERRED_I	TABLE		APPLSYS	
AQS_WF_DEFERRED_T	TABLE		APPLSYS	
WF_DEFERRED	TABLE		APPLSYS	

WF\_DEFERRED is not referenced by any database object

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For example, click the object name called WF\_DEFERRED from the table to see the Queue Details page with the following regions:

- **Queue Header** - This region contains general information about the selected object, including Object Name, Object Type, Object Status, Product, and Schema Owner.
- **Queue Details** - This region includes the following fields about the selected object WF\_DEFERRED.
  - **Queue Table:** Name of the table for the queue, such as WF\_DEFERRED.
  - **Queue Type:** The type of the queue, such as NORMAL\_QUEUE in this example.
  - **Max Retries:** Maximum number of retries allowed when dequeuing data from the WF\_DEFERRED queue.
  - **Retry Delay:** The time interval between retries.
  - **Enqueue Enabled:** If its value is "YES" indicating the selected queue is enabled for enqueue. If it is "NO", then the queue is not enabled for enqueue.

- **Dequeue Enabled:** If its value is "YES" indicating the selected queue is enabled for dequeue. If it is "NO", then the queue is not enabled for dequeue.
- **Retention:** Time in seconds for which the processed messages are retained.
- **Comment:** Any user-specified comment about the selected queue.
- **Dependencies Region** - This region provides the dependency information for the selected queue, including all the objects that this selected queue is referencing and all the objects that refer to this selected queue.

For example, WF\_DEFERRED is referencing four tables, but it is not referenced by any other objects. Therefore, only one dependency table is shown in this region.

- Clicking the object name link displays a corresponding object details page. For example, click the "WF\_DEFERRED" link from the table to display the Table Details page for WF\_DEFERRED.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

- Click the **Dependency Code** icon for a desired object.

## Viewing Index Details Page and Synonym Details Page

"INDEX" and "SYNONYM" object types contain similar fields in its respective object details page. Therefore, this section describes how to view these two object details together. To locate the objects of these two types, use the following ways to browse the tree or perform a search:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "INDEX" or "SYNONYM" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "INDEX" or "SYNONYM" link.
- Select "INDEX" or "SYNONYM" as the Object Type value in the DBA Data Dictionary page.
- Click the "INDEX" or "SYNONYM" Object Type link in the Dependencies table from other database object details page, such as View Details page, or Package Body Details page.

Objects with the "INDEX" or "SYNONYM" object type should be displayed in the List of Objects table. Click a desired object from the table to display the Index Details page or



the Synonym Details page.

**Index Details Page**

eTRM

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**Index: AP\_AE\_HEADERS\_N1**

Object Name	AP_AE_HEADERS_N1	Product	
Object Type	INDEX	Schema Owner	AP
Object Status	VALID		
Base object	<a href="#">AP_AE_HEADERS_ALL</a>		

**Dependencies**

AP\_AE\_HEADERS\_N1 does not reference any database object

AP\_AE\_HEADERS\_N1 is not referenced by any database object

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The Index Details page or the Synonym Details page contains the following regions:

- Index Header or Synonym Header** - This region contains general information about the selected object, including Object Name, Object Type, Object Status, Product, Schema Owner, and Base Object.  
  
Base Object is the object on which the selected object is defined. Click the base object name link to display the corresponding object details page.  
  
For example, in the Index Details page for an object called AP\_AE\_HEADERS\_N1, you can click the Base Object AP\_AE\_HEADERS\_ALL link to display the Table Details page for the base object AP\_AE\_HEADERS\_ALL.
- Dependencies Region** - This region provides the dependency information for the selected object, including all the objects that this selected synonym or index is referencing and all the objects that refer to this selected synonym or index.  
  
In this example, AP\_AE\_HEADERS\_N1 is neither referencing nor referenced by any database object; hence, there is no dependency table displayed in this region.

**Synonym Details Page**

If you select an object of "SYNONYM" type called AR\_ADJUSTMENTS from the table. The Synonym Details page appears containing the same Header and Dependencies regions.

## Synonym Details Page

eTRM
Search
FND Dictionary
DBA Dictionary

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**Synonym: AR\_ADJUSTMENTS**



Object Name	AR_ADJUSTMENTS	Product	AR - Receivables
Object Type	SYNONYM	Schema Owner	APPS
Object Status	VALID		
Base object	<a href="#">AR_ADJUSTMENTS_ALL#</a>		

**Dependencies**

AR\_ADJUSTMENTS is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
<a href="#">AR_ADJUSTMENTS_ALL#</a>	VIEW		AR	

AR\_ADJUSTMENTS is referenced by the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
<a href="#">ARBG_ADJUSTMENT_DISTRIBUTIONS</a>	VIEW		APPS	
<a href="#">ARBG_INVOICE_ADJUSTMENTS</a>	VIEW		APPS	
<a href="#">ARBV_ADJUSTMENT_DISTRIBUTIONS</a>	VIEW	AR - Receivables	APPS	
<a href="#">ARBV_INVOICE_ADJUSTMENTS</a>	VIEW	AR - Receivables	APPS	
<a href="#">ARFG_ADJUSTMENT_DISTRIBUTIONS</a>	VIEW		APPS	
<a href="#">ARFG_INVOICE_ADJUSTMENTS</a>	VIEW		APPS	
<a href="#">ARFV_ADJUSTMENT_DISTRIBUTIONS</a>	VIEW	AR - Receivables	APPS	
<a href="#">ARFV_INVOICE_ADJUSTMENTS</a>	VIEW	AR - Receivables	APPS	
<a href="#">ARI_SERVICE_CHARGE_PKG</a>	PACKAGE		APPS	
<a href="#">ARI_SERVICE_CHARGE_PKG</a>	PACKAGE BODY		APPS	

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- In the Synonym Header region, click the Base Object name link, AR\_ADJUSTMENTS\_ALL# in this example, to display the corresponding object details page.
- In the Dependencies region, the selected object AR\_ADJUSTMENTS is referencing AR\_ADJUSTMENTS\_ALL#, and it is also referenced by many other objects. Therefore, two dependency tables are displayed in this region.

Each table includes the Object Name, Object Type, Product, Schema Owner, and Dependency Code columns.

- Click the object name link to display a corresponding object details page. For example, click the "AR\_ADJUSTMENTS\_ALL#" view link from the table to display the selected object View Details page.
- Click the **Dependency Code** icon for a desired object, such as ARI\_SERVICE\_CHARGE\_PKG package, to display the Source Code window for ARI\_SERVICE\_CHARGE\_PKG.

For more information about the Object Details page, see Viewing Object Details

## Viewing Materialized View Details Page

You can access the Materialized View Details page when you locate a desired object with "MATERIALIZED VIEW" object type through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "MATERIALIZED VIEW" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "MATERIALIZED VIEW" link.
- Select "MATERIALIZED VIEW" as the Object Type value in the DBA Data Dictionary page.
- Click the "MATERIALIZED VIEW" Object Type link in the Dependencies table from other database object details page, such as Trigger page, Package Body page, etc.

After browsing the tree or performing a search, you can click a desired Materialized View object from the List of Objects table to display the Materialized View Details page.

eTRM																																							
Search	FND Dictionary	DBA Dictionary																																					
Return to: <a href="#">Search Results</a>																																							
Materialized View: CSD_DC_FREQ_SUM_MV																																							
Object Name	CSD_DC_FREQ_SUM_MV	Product	CSD - Depot Repair																																				
Object Type	MATERIALIZED_VIEW	Schema Owner	APPS																																				
Source Definition	<a href="#">View HTML Formatted</a>	Object Status	VALID																																				
Comments																																							
Materialized View Details																																							
Container	CSD_DC_FREQ_SUM_MV																																						
Updateable	N																																						
Rewrite Enabled	N																																						
Rewrite Capability	GENERAL																																						
Refresh Mode	DEMAND																																						
Refresh Method	FORCE																																						
Build Mode	PREBUILT																																						
Fast Refreshable	DIRLOAD_LIMITEDDML																																						
MV Log Dependencies																																							
<div> </div> <div>Master Tree Entry</div> <div> CSD_REPAIR_ORDERS_F  CSD_RO_DIAGNOSTIC_CODES  CSD_RO_PER_ITEM_MV  CSD_REPAIR_ORDERS_F </div>																																							
Columns																																							
<div> </div> <table> <tr> <th>Name ^</th><th>Datatype ^</th><th>Length</th><th>Mandatory ^</th><th>Comments</th></tr> <tr> <td>RO_INVENTORY_ITEM_ID</td><td>NUMBER</td><td></td><td>Yes</td><td></td></tr> <tr> <td>TOTAL_RO_COUNT</td><td>NUMBER</td><td></td><td>No</td><td></td></tr> <tr> <td>DIAGNOSTIC_CODE_ID</td><td>NUMBER</td><td></td><td>Yes</td><td></td></tr> <tr> <td>DIAGNOSTIC_ITEM_ID</td><td>NUMBER</td><td></td><td>No</td><td></td></tr> <tr> <td>DC_ONLY_RO_COUNT</td><td>NUMBER</td><td></td><td>No</td><td></td></tr> </table>					Name ^	Datatype ^	Length	Mandatory ^	Comments	RO_INVENTORY_ITEM_ID	NUMBER		Yes		TOTAL_RO_COUNT	NUMBER		No		DIAGNOSTIC_CODE_ID	NUMBER		Yes		DIAGNOSTIC_ITEM_ID	NUMBER		No		DC_ONLY_RO_COUNT	NUMBER		No						
Name ^	Datatype ^	Length	Mandatory ^	Comments																																			
RO_INVENTORY_ITEM_ID	NUMBER		Yes																																				
TOTAL_RO_COUNT	NUMBER		No																																				
DIAGNOSTIC_CODE_ID	NUMBER		Yes																																				
DIAGNOSTIC_ITEM_ID	NUMBER		No																																				
DC_ONLY_RO_COUNT	NUMBER		No																																				
Query Text <a href="#">View</a>																																							
Dependencies																																							
CSD_DC_FREQ_SUM_MV is referencing the following:																																							
<div> </div> <table> <tr> <th>Object Name ^</th><th>Object Type ^</th><th>Product ^</th><th>Schema Owner ^</th><th>Dependent Code</th></tr> <tr> <td>CSD_DC_FREQ_SUM_MV</td><td>TABLE</td><td></td><td>APPS</td><td></td></tr> <tr> <td>CSD_REPAIR_ORDERS_F</td><td>TABLE</td><td>CSD - Depot Repair</td><td>CSD</td><td></td></tr> <tr> <td>CSD_RO_DIAGNOSTIC_CODES</td><td>TABLE</td><td>CSD - Depot Repair</td><td>CSD</td><td></td></tr> <tr> <td>CSD_RO_PER_ITEM_MV</td><td>MATERIALIZED VIEW</td><td>CSD - Depot Repair</td><td>APPS</td><td></td></tr> <tr> <td>CSD_RO_PER_ITEM_MV</td><td>TABLE</td><td>FND - Application Object Library</td><td>APPS</td><td></td></tr> <tr> <td>V_20220524_2152</td><td>UNDEFINED</td><td></td><td>SYS</td><td></td></tr> </table>					Object Name ^	Object Type ^	Product ^	Schema Owner ^	Dependent Code	CSD_DC_FREQ_SUM_MV	TABLE		APPS		CSD_REPAIR_ORDERS_F	TABLE	CSD - Depot Repair	CSD		CSD_RO_DIAGNOSTIC_CODES	TABLE	CSD - Depot Repair	CSD		CSD_RO_PER_ITEM_MV	MATERIALIZED VIEW	CSD - Depot Repair	APPS		CSD_RO_PER_ITEM_MV	TABLE	FND - Application Object Library	APPS		V_20220524_2152	UNDEFINED		SYS	
Object Name ^	Object Type ^	Product ^	Schema Owner ^	Dependent Code																																			
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CSD_RO_DIAGNOSTIC_CODES	TABLE	CSD - Depot Repair	CSD																																				
CSD_RO_PER_ITEM_MV	MATERIALIZED VIEW	CSD - Depot Repair	APPS																																				
CSD_RO_PER_ITEM_MV	TABLE	FND - Application Object Library	APPS																																				
V_20220524_2152	UNDEFINED		SYS																																				
CSD_DC_FREQ_SUM_MV is not referenced by any database object																																							
Return to: <a href="#">Search Results</a>																																							
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- **Materialized View Header** - This region contains general information about the selected object, including Object Name, Object Type, Object Status, Product, Schema Owner, and Comments.
- **Materialized View Details** - This region includes the following fields providing

more information about the selected object:

- **Container:** Name of the container for the selected materialized view, such as CSD\_DC\_FREQ\_SUM\_MV.
  - **Updatable:** It indicates whether the selected materialized view is updatable or not.
  - **Rewrite Enabled:** It indicates whether the selected materialized view is enabled for rewrite or not. If its value is "YES", then this materialized view is enabled for rewrite. If it is "NO", then this materialized view is not enabled for rewrite.
  - **Rewrite Capability:** It indicates if the selected materialized view is eligible for rewrite and restrictions. In this example, "General" is shown.
  - **Refresh Mode:** It indicates how the selected materialized view can be refreshed. "Demand" is shown in this example.
  - **Refresh Method:** It indicates the default method used to refresh the selected materialized view. "Force" is shown in this example.
  - **Build Mode:** It indicates how the selected materialized view was populated when built. In this example, "Prebuilt" is shown as its value.
  - **Fast Refreshable:** It indicates whether and what type of incremental refresh can be performed.
- **MV Log Dependencies Region** - This region contains the following table:  
**Master Tree Entry:** It displays the hierarchy of master and materialized views.
  - **Columns Region** - This region contains the Columns table for the selected materialized view. Each table row includes the Name, Datatype, Length, Mandatory, and Comments columns.
    - In the Mandatory field, "Yes" is shown if a column is NOT NULL. Otherwise, "No" is displayed instead.
    - Click the Query Text **View** link to display the Query Text pop-up window containing a SQL query that selects all the columns in the table.
  - **Dependencies Region** - This region provides the dependency information for the selected materialized view, including all the objects that this selected materialized view is referencing and all the objects that refer to this selected materialized view.  
For example, CSD\_DC\_FREQ\_SUM\_MV is referencing many objects, but it is not referenced by any other objects. Therefore, only one dependency table is shown in this region.

- Clicking the object name link displays a corresponding object details page. For example, click the "CSD\_REPAIR\_ORDERS\_F" link from the table to display the Table Details page for CSD\_REPAIR\_ORDERS\_F.

For more information about the object details page, see Viewing Object Details Page, page 6-1.

- Click the **Dependency Code** icon if available for an object listed in the table to display the Source Code window for the object.

## Viewing Generic Object Details

The following object types contain similar field level details in its respective object details page; therefore, these object details pages are explained together in this section:

- SEQUENCE (see Sequence Details Page, page 6-43)
- DIRECTORY (see Directory Details Page, page 6-44)
- JAVA CLASS (see Java Class Details Page, page 6-44)
- JAVA DATA (see Java Data Details Page, page 6-45)
- LIBRARY (see Library Details Page, page 6-46)

You can browse or search objects to locate these object details pages through the following ways:

- Enter free text search in the Search Home page.
- Expand a Product folder in the **Applications Product Prefixes** tree node of the DBA Data Dictionary page, then a Database Schema folder in the **Database Schemas** tree node, and then the "SEQUENCE", "DIRECTORY", "JAVA CLASS", "JAVA DATA", or "LIBRARY" link.
- Expand a Database Schema folder in the **Database Schemas** tree node of the DBA Data Dictionary page, and then the "SEQUENCE", "DIRECTORY", "JAVA CLASS", "JAVA DATA", or "LIBRARY" link.
- Select "SEQUENCE", "DIRECTORY", "JAVA CLASS", "JAVA DATA", or "LIBRARY" as the Object Type value in the DBA Data Dictionary page.
- Click the "SEQUENCE", "DIRECTORY", "JAVA CLASS", "JAVA DATA", or "LIBRARY" Object Type link in the Dependencies table from other database object details page, such as Trigger page, Package Body page, etc.

After browsing the tree or performing a search, you can click a desired object from the List of Objects search result table to display the object details pages of the selected object

type.

The object details page of any of the object types mentioned in this section contains the same regions and fields:

- **Header** - This region contains general information about an object, including Object Name, Object Type, Object Status, Product, and Schema Owner.
- **Dependencies Region** - This region provides the dependency information for an object, including all the objects that this object is referencing and all the objects that refer to this object.

- Clicking an object name link from the dependency table displays a corresponding object details page.

For information about the object details page, see Viewing Object Details Page, page 6-1.

- Click the **Dependency Code** icon if available for an object from the dependency table to display dependency code details.

The object details page of these five object types are further explained as follows:

### Sequence Details Page

To view the Sequence Details page, click an object of "SEQUENCE" type called AP\_HOLDS\_S from the List of Objects search result table. The Sequence Details page appears.

#### Sequence Details Page

The screenshot shows the eTRM interface for the Sequence Details page of object AP\_HOLDS\_S. The page has a header with 'eTRM' and navigation links for 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the header, there is a 'Return to: Search Results' link. The main content area is titled 'Sequence: AP\_HOLDS\_S' and contains a table with the following information:

Object Name	AP_HOLDS_S	Product	
Object Type	SEQUENCE	Schema Owner	AP
Object Status	VALID		

Below this table, the 'Dependencies' section is titled. It states: 'AP\_HOLDS\_S does not reference any database object' and 'AP\_HOLDS\_S is referenced by the following:'. Below this text is a table with the following information:

Object Name	Object Type	Product	Schema Owner	Dependent Code
AP_HOLDS_S	SYNONYM		APPS	

At the bottom of the page, there is a 'Return to: Search Results' link and a footer with copyright information: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and links for 'About this Page' and 'Privacy Statement'.

The Header region contains the general information for the selected object "AP\_HOLDS\_S" from the Schema Owner "AP".

In the Dependencies region, AP\_HOLDS\_S does not reference any database object, but

it is referenced by the "AP\_HOLDS\_S" synonym object. Click the "AP\_HOLDS\_S" link from the table to display the Synonym Details page.

### Directory Details Page

If an object of "DIRECTORY" object type called FND\_DIAG\_DIR is selected from the List of Objects search result table, then the Directory Details page appears. You can find the same Header and Dependencies regions as explained earlier.

#### Directory Details Page

The screenshot displays the 'Directory Details Page' for the object 'FND\_DIAG\_DIR'. The page has a blue header bar with 'eTRM' and navigation links 'Search', 'FND Dictionary', and 'DBA Dictionary'. Below the header, there is a 'Return to: Search Results' link. The main content area is titled 'Directory: FND\_DIAG\_DIR' and contains a table with the following information:

Object Name	FND_DIAG_DIR	Product	FND - Application Object Library
Object Type	DIRECTORY	Schema Owner	SYS
Object Status	VALID		

Below the table, the 'Dependencies' section states: 'FND\_DIAG\_DIR does not reference any database object' and 'FND\_DIAG\_DIR is not referenced by any database object'. There is another 'Return to: Search Results' link at the bottom. The footer contains copyright information: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and links for 'About this Page' and 'Privacy Statement'.

In the Header region, the general information for the selected object FND\_DIAG\_DIR is displayed. This information includes "FND\_DIAG\_DIR" object name, "DIRECTORY" object type, "FND - Application Object Library" product, "SYS" schema owner, and "Valid" object status.

In the Dependencies region, the selected object FND\_DIAG\_DIR is neither referencing nor referenced by any database object; therefore, there is no dependency table displayed in this region.

### Java Class Details Page

If the selected object is a "JAVA CLASS" object type called CatbundleCreateDir, then the Java Class Details page appears.



## Java Class Details Page

eTRM

[Search](#) | [FND Dictionary](#) | [DBA Dictionary](#)

[Return to: Search Results](#)

**Java class: CatbundleCreateDir**

Object Name	CatbundleCreateDir	Product	
Object Type	JAVA CLASS	Schema Owner	CTXSYS
Object Status	VALID		

**Dependencies**

CatbundleCreateDir is referencing the following:

Object Name	Object Type	Product	Schema Owner	Dependent Code
java.io/File	JAVA CLASS		SYS	
java.lang/Object	JAVA CLASS		SYS	
java.lang/String	JAVA CLASS		SYS	

CatbundleCreateDir is not referenced by any database object

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The selected Java class name CatbundleCreateDir is shown in the Header region, along with other general information including object type "JAVA CLASS", schema owner "CTXSYS", and "Valid" object status.

In the Dependencies region, the selected Java class CatbundleCreateDir is referencing three objects, but it is not referenced by any database object; therefore, only one dependency table shown in this region.

## Java Data Details Page

If an object of "JAVA DATA" object type called LocaleData\_es\_PE is selected from the search result table, then the Java Data Details page appears.

## Java Data Details Page

eTRM

Search

FND Dictionary

DBA Dictionary

Return to: [Search Results](#)

Java data: LocaleData\_es\_PE

Object Name

LocaleData\_es\_PE

Product

Object Type

JAVA DATA

Schema Owner

SYS

Object Status

VALID

Dependencies

LocaleData\_es\_PE is referencing the following:

Rows 1 to 11

Object Name	Object Type	Product	Schema Owner	Dependent Code
<a href="#">java/lang/Object</a>	JAVA CLASS		SYS	
<a href="#">java/lang/String</a>	JAVA CLASS		SYS	
<a href="#">java/math/RoundingMode</a>	JAVA CLASS		SYS	
<a href="#">java/text/DecimalFormat</a>	JAVA CLASS		SYS	
<a href="#">java/text/DecimalFormatSymbols</a>	JAVA CLASS		SYS	
<a href="#">java/text/DigitList</a>	JAVA CLASS		SYS	
<a href="#">java/util/Currency</a>	JAVA CLASS		SYS	
<a href="#">java/util/Hashtable</a>	JAVA CLASS		SYS	
<a href="#">java/util/HashtableSEntry</a>	JAVA CLASS		SYS	
<a href="#">java/util/Locale</a>	JAVA CLASS		SYS	

LocaleData\_es\_PE is not referenced by any database object

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Similar to the Header region described earlier, all the general information for this selected Java data LocaleData\_es\_PE is displayed. This Header region includes object name "LocaleData\_es\_PE", object type "JAVA DATA", schema owner "SYS, and "Valid" object status.

In the Dependencies region, this Java data LocaleData\_es\_PE is referencing many objects, but it is not referenced by any database object; therefore, only one dependency table shown in this region. Click any object link from the table to view the selected object details.

## Library Details Page

To view the Library Details page, select an object of "LIBRARY" object type, such as UTL\_OBJECTS\_LIB, from the search result table. This displays the Library Details page for the selected library.

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## Library Details Page

eTRM

[Search](#) | [FND Dictionary](#) | [DBA Dictionary](#)

[Return to: Search Results](#)





**Library: UTL\_OBJECTS\_LIB**

Object Name	UTL_OBJECTS_LIB	Product	
Object Type	LIBRARY	Schema Owner	CTXSYS
Object Status	VALID		

**Dependencies**

UTL\_OBJECTS\_LIB does not reference any database object

UTL\_OBJECTS\_LIB is referenced by the following:

   				
Object Name	Object Type	Product	Schema Owner	Dependent Code
<a href="#">GET_OLDVERSION_HASHCODE</a>	FUNCTION		CTXSYS	

[Return to: Search Results](#)

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In the Header region, you can view the general information for the selected library. This includes object name "UTL\_OBJECTS\_LIB", object type "LIBRARY", schema owner "CTXSYS", and object status "Valid".

In the Dependencies region, the selected library UTL\_OBJECTS\_LIB does not reference any object, but it is referenced by one database object GET\_OLDVERSION\_HASHCODE; therefore, only one dependency table is displayed in this region.

Click the GET\_OLDVERSION\_HASHCODE link to view the Function Details page for GET\_OLDVERSION\_HASHCODE.



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# Diagrams and Reports

## Overview

The eTRM provides PDF diagrams and HTML reports for FND data objects. You can search and view these diagrams and reports through the Search tab and the FND Dictionary tab. These reports and diagrams are:

- ERD Diagram
- DBI Diagram
- Tables Report
- Dependencies Report
- Product External Dependencies Report

In addition, you can generate the HTML reports if it's needed.

To understand each HTML report and how to locate these diagrams and reports, this chapter includes the following topics:

- Generating HTML Reports, page 7-1
- Viewing Diagrams and Reports, page 7-2

## Generating HTML Reports

To generate the HTML reports, you need to submit a concurrent program called **FND Generate eTRM HTML Report** with the following parameters:

**Note:** All the HTML reports are static in nature. They are generated based on data model in your Oracle E-Business Suite instance.

- **Report:** Select a desired report type that you want to generate for the report. The available selection from the list of values are:
  - All (default)  
If no value is chosen, then the default value "All" is selected to generate all three HTML reports.
  - Tables Report  
An HTML report (<application\_short\_name>\_Tables.html) documents the table and view definitions in a product.
  - Dependencies Report  
An HTML report (<application\_short\_name>\_Dependencies.html) documents dependencies to tables and views in a product.
  - External Dependencies Report  
An HTML report (<application\_short\_name>\_Product\_Dependencies.html) documents external dependencies to tables and views in a product.
- **Product:** Select a desired product to generate the report you selected earlier.  
If a specific application <application\_short\_name> is selected, then the report is only generated for the selected application.  
If no value is chosen, then the default value "All" is selected to generate the desired report for all Oracle E-Business Suite applications.

Note that this **FND Generate eTRM HTML Report** concurrent program is a long running backend program. If the report is generated for "All" products, it may take a while to complete the concurrent processing. Once it's completed, it generates the desired HTML report for the selected application.

## Viewing Diagrams and Reports

You can browse and search PDF diagrams and HTML reports through the following ways:

- HTML Reports Only  
Expand the **Browse eTRM** tree node of the Search Home page, and then the "HTML" folder.
- PDF Diagrams Only  
Expand the **Browse eTRM** tree node in the Search Home page, and then the "PDF Files" folder (for both ERD and DBI diagrams), "Logical Data Models" folder (for

ERD diagrams only), or "Summarization Diagram" folder (for DBI diagrams only).

**Note:** ERD and DBI diagrams are Oracle seeded database diagrams. They are available as PDF files for most of the products.

- Both HTML Reports and PDF Diagrams
  - Expand a Product folder in the **Products** tree node of the FND Data Dictionary page, and then the "Diagrams & Reports" link.
  - Select "FILE" as the Object Type value in the FND Data Dictionary page.

Click a desired HTML report or PDF diagram file name link from the List of Objects search result table. The File Details page appears where you can view the selected report or diagram in the File Details page. See: Viewing File Details Page, page 6-9.

Note that if the selected HTML report file name is not yet available, the following message may occur:

"The report is not yet available. It will be generated by the concurrent program FND Generate eTRM HTML Report. You can check its status with System Administrator and come back later to view the report."

In this situation, work with your system administrator to submit the concurrent program **FND Generate eTRM HTML Report** to generate your desired report. Once the report is generated, you should be able to access the HTML report.

See: Generating HTML Reports, page 7-1.





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