

Oracle Insurance Insight

**Warehouse Palette User
Guide**

version 7.0.2

Part Number: E24031-01

October 2011

Oracle Insurance Insight Warehouse Palette User Guide

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Preface

Welcome to the *OII Warehouse Palette User Guide Version 7.0.2*. The Warehouse Palette is a web-based application that allows users to create a Line of Business (LOB), configure the Dimensions and their associated Attributes that comprise the LOB, and “publish” or submit the LOB for incorporation into the Oracle Insurance Insight (OII) system.

VERSION

This manual corresponds to Oracle Insurance Insight (OII) version 7.0.2.

INTENDED AUDIENCE

This manual is intended for users and administrators with advanced knowledge of the insurance industry. In particular business users will be tasked with creating/configuring the Line of Business objects and their components and administrators will publish the LOB to the OII system.

RELATED DOCUMENTS

For more information, refer to the following documents:

- *Oracle Insurance Insight Release Notes* - This document describes the latest enhancements and updates to OII as well as issues that have been resolved in this version.
- *Oracle Insurance Insight Installation Guide* - This manual describes the steps for configuring and installing OII.
- *Oracle Insurance Insight Administration Guide* - This manual describes how to create and configure the required OII users and groups within OBIEE.
- *Oracle Insurance Insight Implementation Guide* - This manual describes the concepts and steps involved in implementing the OII system.
- *Oracle Insurance Insight User Guide* - OII uses OBIEE 11g as its front end interface, providing a set of dashboards, reports, and query building tools to use to analyze the OII data. This manual describes how to configure and run the OII reports as well as use the OBIEE analytic features to build custom queries to run against the OII data.
- *Oracle Insurance Insight Data Dictionary* - The data dictionary for the OII system.

OII DOCUMENTATION ON THE ORACLE TECHNOLOGY NETWORK (OTN)

The OII documentation set is packaged with the product release. You can also obtain these guides online through the Oracle Technology Network (OTN) at this address:

<http://www.oracle.com/technology/documentation/insurance.html>

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Warehouse Palette Overview

The Warehouse Palette is a web-based application that allows users to create a **Line of Business (LOB)** and configure the **Dimensions** and associated **Attributes** that make up the LOB. It's purpose is to provide users with an easy-to-use interface that lets them build and modify a LOB's components as they see fit and then "publish" or submit the LOB for incorporation into the Oracle Insurance Insight (OII) system.

ABOUT LOBs, DIMENSIONS, AND ATTRIBUTES

Dimensions and **Attributes** represent the structure of a LOB. A LOB has one or more Dimensions associated with it. Each Dimension in turn contains one or more Attributes.

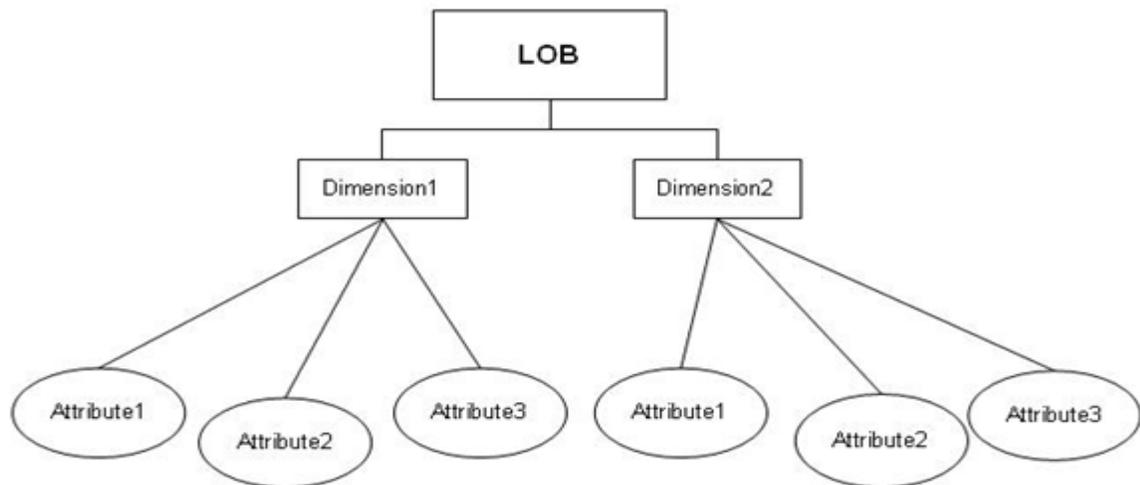


Figure 1: LOB Dimension-Attribute Relationships

A Dimension is an object that contains information about a LOB. An Attribute defines a characteristic of a Dimension. The Personal Auto LOB, for example, may have Dimensions such as *Vehicle* and *Driver*. Within the *Vehicle* Dimension you may have Attributes such as Air Bag, Anti-lock Brakes, etc. Likewise, the *Driver* Dimension can have Attributes that include Driver Type and License Type.

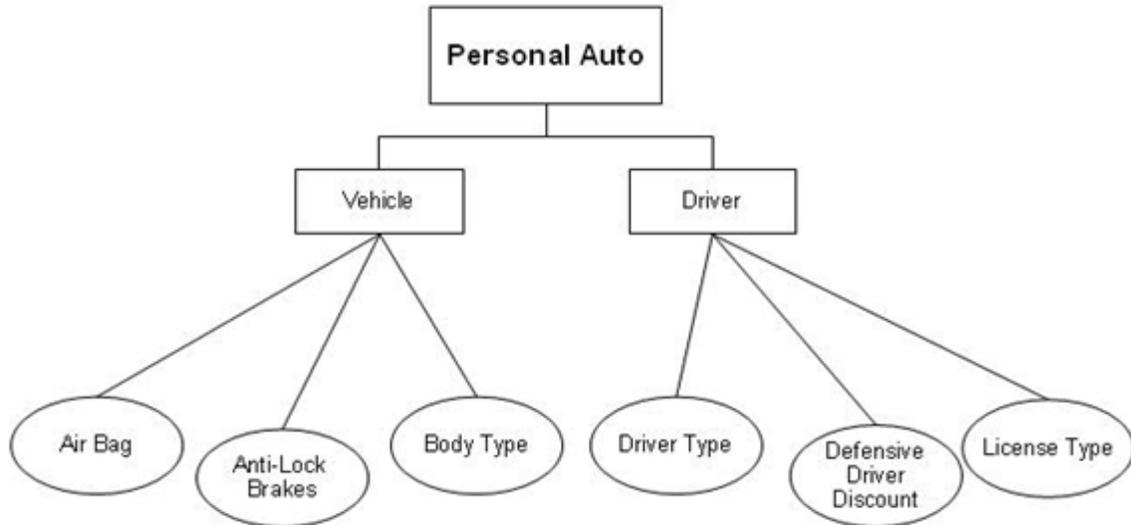


Figure 2: Personal Auto LOB-Dimension-Attribute Relationships

CREATING A LOB WITH THE WAREHOUSE PALETTE

The Warehouse Palette offers users two ways to create a Line of Business:

- Import a LOB Template
- Create a LOB from Scratch

Import a LOB Template

Users can import one of six pre-built LOB templates into the Warehouse Palette. Each template comes with a complete set of LOB-specific Dimensions and Attributes that you can freely edit as you see fit. The Warehouse Palette also provides you with the ability to add or remove Dimensions and Attributes to suit your own needs. The available LOB templates include:

- Commercial Auto
- Commercial Property
- Dwelling Fire
- Homeowners
- Personal Auto
- Personal Umbrella

Creating/Editing a LOB's Dimensions and Attributes

Users can define the properties for a Dimension and its Attributes through a central screen within the Warehouse Palette.

The screenshot shows the 'Dimension Detail' and 'Attributes' sections of the Warehouse Palette interface. The 'Dimension Detail' section is for the 'Personal Auto' LOB, with a current status of 'Working'. It includes fields for 'Dimension Sequence' (1), 'Dimension Name' (Personal Auto Vehicle), 'Database Table Name' (PA_VEH), 'Party Type' (NIA), 'Address' (Yes), 'Address Name' (Garage Location), and 'Address Column Prefix' (GAR_LOC). The 'Attributes' section is a table listing various vehicle attributes.

Sequence	Attribute Name	Database Column Name	Data Type	Size	Scale	History
0	Airbag Type Code	AIRBAG_TYP_CD	Code	25	0	Keep
0	Anti-Lock Brake Code	ANTI_LOCK_BRAKE_CD	Code	25	0	Keep
0	Anti-Theft Device Code	ANTI_THEFT_DEVICE_CD	Code	25	0	Keep
0	Body Type Code	VEH_BODY_TYP_CD	Code	25	0	Keep
0	Cell Phone Type Code	CELL_PHONE_TYP_CD	Code	25	0	Keep
0	Days Driven Per Week	NUM_DAYS_DRVN_PER_WK	Number	0	0	Keep
0	Daytime Run Lights Code	DAYTIME_RUN_LIGHTS_CD	Code	25	0	Keep
0	Est Annual Mileage	EST_ANNU_MILEAGE	Number	0	0	Keep
0	Garage Code	GAR_CD	Code	25	0	Keep
0	Horsepower	HORSEPOWER_DSPLCMINT	String	5	0	Keep

Figure 3: The Personal Auto LOB Template's Vehicle Dimension and Attributes

Create a LOB "From Scratch"

Users are not restricted to the pre-defined LOB templates. The Warehouse Palette also provides users with the flexibility to create a unique LOB appropriate for their business needs and define the proper Dimensions or Attributes from the ground up.

The screenshot shows the 'Dimension Detail' and 'Attributes' sections of the Warehouse Palette interface for a LOB created 'From Scratch'. The 'Dimension Detail' section is for the 'Business Owners' LOB, with a current status of 'Working'. It includes fields for 'Dimension Sequence' (0), 'Dimension Name' (Office), 'Database Table Name' (BO_OFFICE), 'Party Type' (NIA), 'Address' (Yes), 'Address Name' (Office Location), and 'Address Column Prefix' (OFF_LOC). The 'Attributes' section is a table listing attributes for the LOB.

Sequence	Attribute Name	Database Column Name	Data Type	Size	Scale	History
1	Office Building	BUILD_LOC	String	25	0	Keep
0			String	0	0	Keep

Figure 4: LOBs Created "From Scratch"

WHAT THE WAREHOUSE PALETTE WON'T LET YOU DO

The Warehouse Palette will only allow users to add or update LOB specific Dimensions and Attributes. Users will not be able to modify Core Data Model Attributes (policy, coverage, etc...)

The configuration of calculations (earned premium, earned exposures, incurred loss) does not happen in Warehouse Palette.

PUBLISHING A LOB

A LOB can be published, or submitted, to the OII system from the Warehouse Palette by an OII Administrator. When the Administrator publishes a LOB, the Warehouse Palette outputs an XML file containing the LOB's properties. The definitions in this document is then passed to Oracle Data Integrator (ODI) and from there the ODI data models and structures for the LOB are created along with the LOB structures for the OII database.

LOBs are published from the Warehouse Palette's Advanced View screen. This screen also allows users to preview the data structure of the LOB Payload that are created when the LOB is published.

Once published, a LOB can no longer be edited in the Warehouse Palette. If the user needs to update the LOB the Administrator can “unpublish” the LOB from within the Warehouse Palette. A unpublish will delete all of the ODI objects and data structures for LOB from within the OII infrastructure.

The screenshot shows the 'Advanced View' screen for a LOB. At the top, there are navigation tabs: 'Home', 'Manage LOBs', and 'Options'. Below this is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail > Advanced View'. The main content area is divided into two sections: 'LOB Summary' and 'Payload Detail'.

LOB Summary: This section contains the following information:

- LOB Name: Personal Auto
- LOB Code: PA
- Current Status: Draft
- Status Modified: Dec 14, 2010 11:08 PM
- Web Service: http://pldwollav001.7003/OdiWrapperService/OdiWrapperService

 There are 'Close' and 'Publish LOB' buttons in the top right of this section. A separate 'Publish LOB' button with a tooltip 'Create ODI Data Models and Database Structures for this LOB.' is also visible.

Payload Detail: This section features a search bar with a 'Go' button and an 'Actions' dropdown menu. Below is a table with the following columns: Model Context, Data Store Name, Source, Col Name, Data Type, Length, Precision, Scale, and CD.

Model Context	Data Store Name	Source	Col Name	Data Type	Length	Precision	Scale	CD
Staging	PA_VEH	System	ROW_NUM	NUMBER	0	22	0	N
Staging	PA_VEH	Adaptive	ADDL_EQPT_AMT	NUMBER	0	14	3	N
Staging	PA_VEH	Adaptive	AIRBAG_TYP_CD	VARCHAR2	25	0	0	Y
Staging	PA_VEH	Adaptive	ANTI_LOCK_BRAKES_CD	VARCHAR2	25	0	0	Y
Staging	PA_VEH	Adaptive	ANTI_THEFT_DEVICE_CD	VARCHAR2	25	0	0	Y
Staging	PA_VEH	Adaptive	AUTO_STBLTS_DSCNT_FLG	CHAR	1	0	0	N
Staging	PA_VEH	Adaptive	AUTO_STBLTS_DSCNT_PCT	NUMBER	0	6	3	N
Staging	PA_VEH	Adaptive	CELL_PHONE_TYP_CD	VARCHAR2	25	0	0	Y
Staging	PA_VEH	Adaptive	DAYTIME_RUN_LIGHTS_CD	VARCHAR2	25	0	0	Y
Staging	PA_VEH	Adaptive	EST_ANNU_DRVG_DIST	NUMBER	0	0	0	N

At the bottom right of the table, there is a pagination indicator: '1 - 10 >'.

Figure 5: The Advanced View Screen

Chapter 2

Getting Started

This chapter describes the main features of the Warehouse Palette interface.

OPENING WAREHOUSE PALETTE

To access the Warehouse Palette your system administrator needs to supply you with the URL where the Warehouse Palette resides, a user name, and a password.

1. Open your browser and enter the URL:

```
http://<hostname>:<port>/apex/f?p=101:1
```

where:

hostname - the http host for APEX.

port - is the http port for APEX. The default port is 7001.

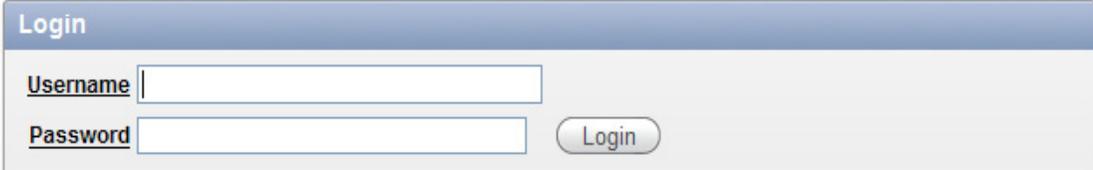
apex - the mount point defined in the Web Server configuration file.

101:1 - 101 is the APEX application number which may change when they import the application into APEX. The 1 represents the page number. This will not change. This starts the user on page 1.

For example:

```
http://<hostname>:7001/apex/f?p=101:1
```

The Warehouse Palette login screen appears:



The screenshot shows a login form with a blue header containing the word "Login". Below the header, there are two input fields: "Username" and "Password". To the right of the "Password" field is a "Login" button.

Figure 6: Warehouse Palette Login Screen

2. Type in your User ID and Password and click the **Login** button.

3. The Manage LOBs page opens. This screen is the home page of the Warehouse Palette.



Figure 7: Warehouse Palette Home Page

Most of the Warehouse Palette screens share the same basic layout and features. This section describes the features that are available for organizing the information on the Warehouse Palette screens.

Manage LOBs

The **Manage LOBs** link and menu item opens the Manage LOBs screen. The Manage LOBs screen is the starting point for creating and editing a LOB. Note that you first arrive at this screen it will be empty. As you create your LOBs they will be added to this screen and you will be able to access and edit a selected LOB as necessary.



Figure 8: The Manage LOBs Button and Manage LOBs Menu Option Opens the Manage LOBs Screen

Options

The **Options** link and the **Options** menu item opens the Options screen. This screen allows an Administrator to specify the host name and port number of the machine hosting the OII Web Service. The OII Web Service is the primary interface that is used to pass the LOB XML Payload, the definition file containing the LOB's Dimensions and Attribute properties, to the OII system when an administrator publishes a LOB.

This screen is read-only for all non-administrators.

Oracle Insurance Insight - Warehouse Palette



Figure 9: Options Screen (Administrator)

WAREHOUSE PALETTE SCREEN FEATURES

Many of the screens in the Warehouse Palette screens share the same basic features. For example, the Search feature and Actions menu allow you to select and organize information that appears on a particular screen.

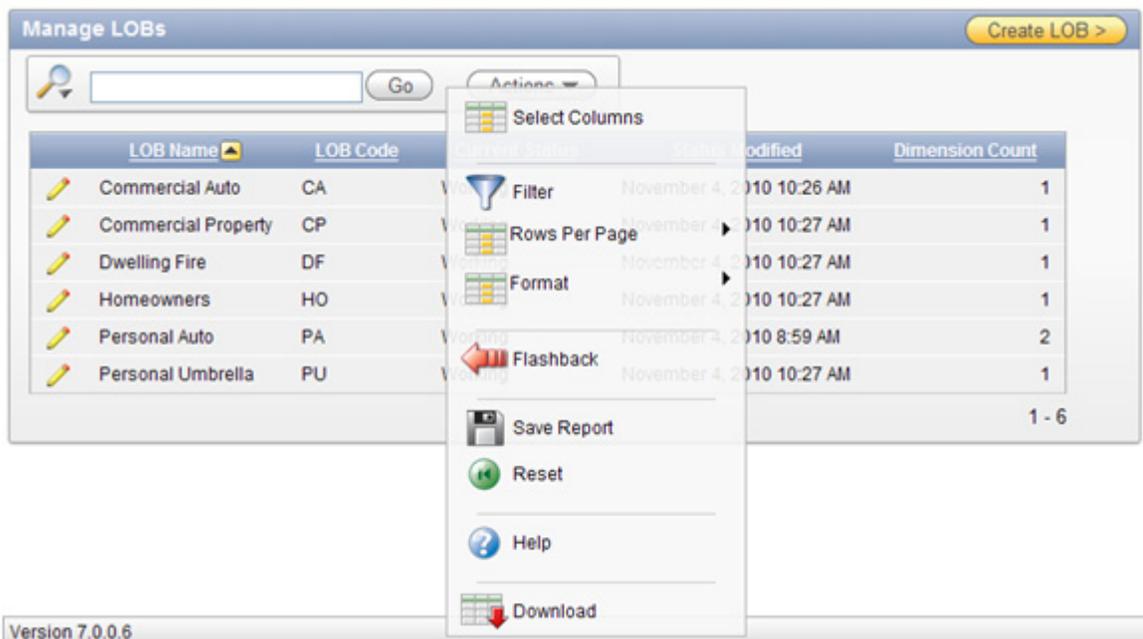


Figure 10: Common Search Options and Actions Menu Features

Search Bar

The LOBs search bar provides the following features:

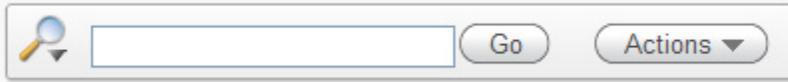


Figure 11: Search Bar

Select Columns Icon

The Select Column icon is used in conjunction with the text area on the right to select the columns on which to search. When you click on the Search Icon a drop-down list of all column names contained in the current table appears. You can select a single column to search on or all columns. The column name that you select as the search criteria will appear to the right of the Search Icon. “All Columns” is the default.

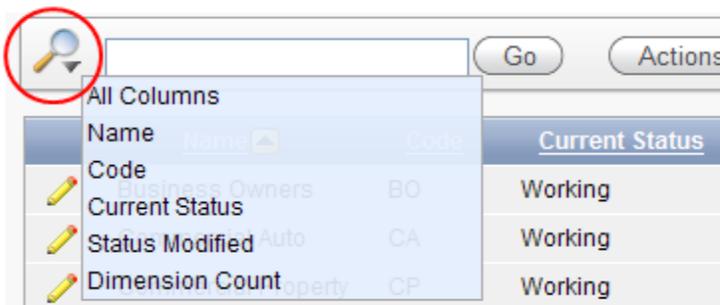


Figure 12: List of Columns

Text Area

Enter a case insensitive search string in the text area and select the **Go** button. The screen will refresh and display any matching records that match your search criteria. In the Manage LOBs screen below, a search on the string, “commercial”, lists all LOB names containing the word “commercial”. All search strings are case insensitive.

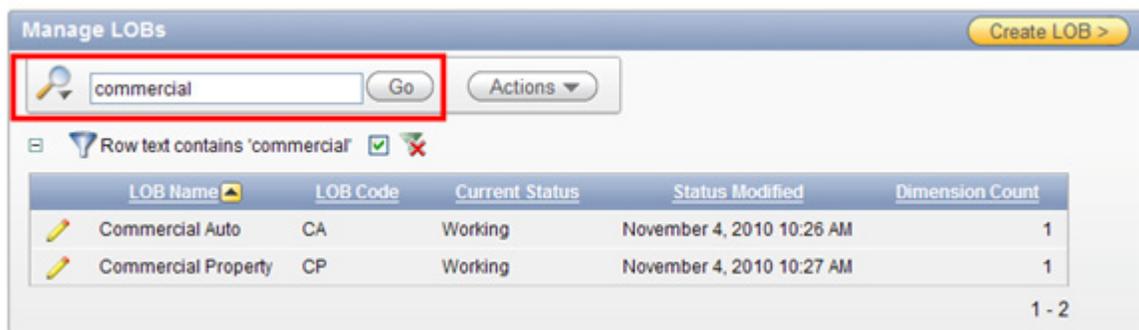


Figure 13: Results Displayed for a Search on the “Postal” Search Sting

The selected filter applied to the information on the screen, in this case “commercial”, appears below the text area. The check box allows you to enable/disable the search filter. Uncheck the box to display the full list of Attributes. Click on the red “X” to permanently remove the filter.

Actions Menu

The Action Menu icon displays a menu of items for formatting and organizing the information on the screen. Select the **Help** button to display the descriptions of each feature.

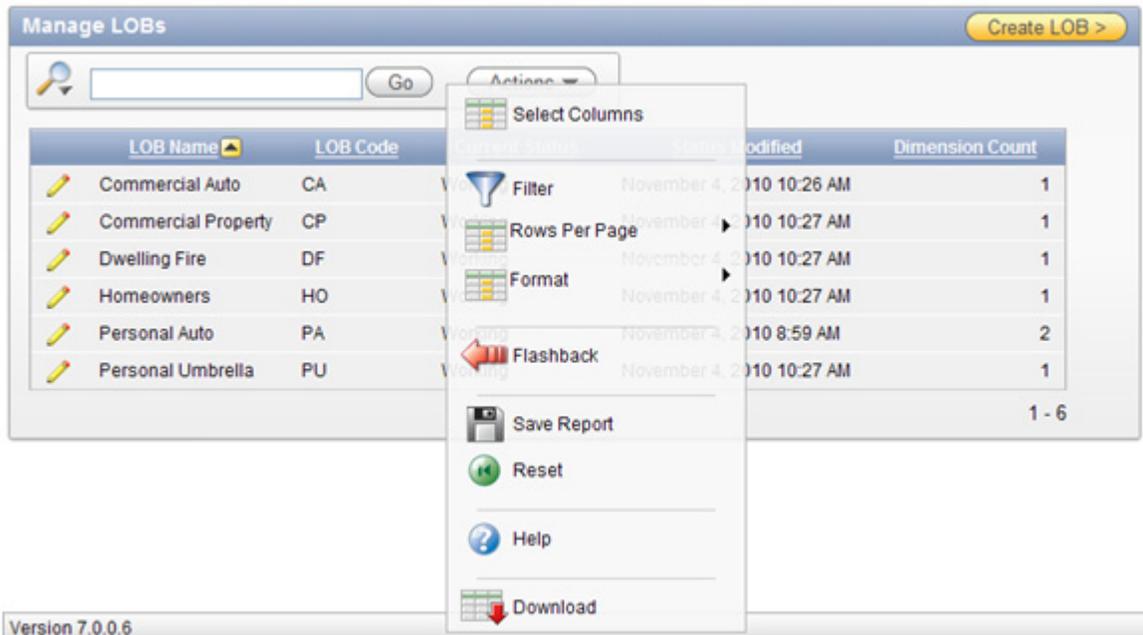
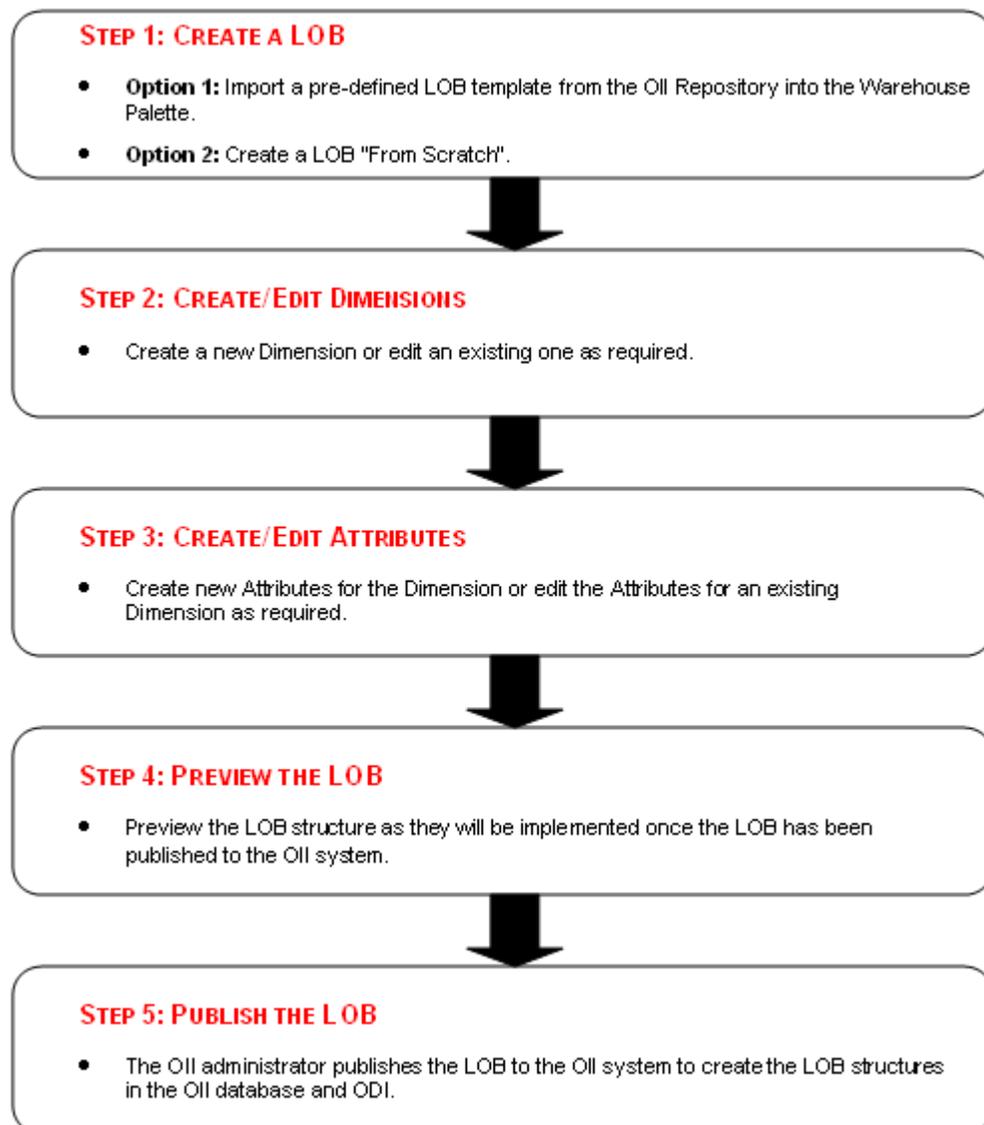


Figure 14: Action Menu

Chapter 3

How to Use the Warehouse Palette

LOB creation in the Warehouse Palette is a fairly straight forward process. The diagram below maps out how to use the Warehouse Palette to create, configure, and publish a LOB.



Chapter 4

Creating a Line Of Business

There are two ways to create a Line of Business:

- **Option 1: Create a LOB from the Repository** - Import a pre-defined LOB template into the Warehouse Palette.
- **Option 2: Create a LOB “From Scratch”** - Manually create a LOB object and define its Dimensions and Attributes.

OPTION 1: CREATING A LOB FROM THE REPOSITORY

There are six LOB templates available to import into the Warehouse Palette. Each LOB comes with its own set of LOB-specific Dimensions and Attributes. The LOB templates include:

- Commercial Auto
- Commercial Property
- Dwelling Fire
- Homeowners
- Personal Auto
- Personal Umbrella

To Create a LOB from the Repository:

1. Click on the **Manage LOBs** menu option or the **Manage LOBs** link on the Home page to open the **Manage LOBs** screen.
2. Click on the **Create LOB** button. The Create LOB screen opens.



Figure 15: The Create LOB Screen

3. Make sure that the **Copy from Repository** radio button is selected (this is the default selection) and click the **Next** button. The Create LOB wizard opens.



Figure 16: Create LOB Wizard

4. Select the LOB template that you wish to import from the drop-down list.

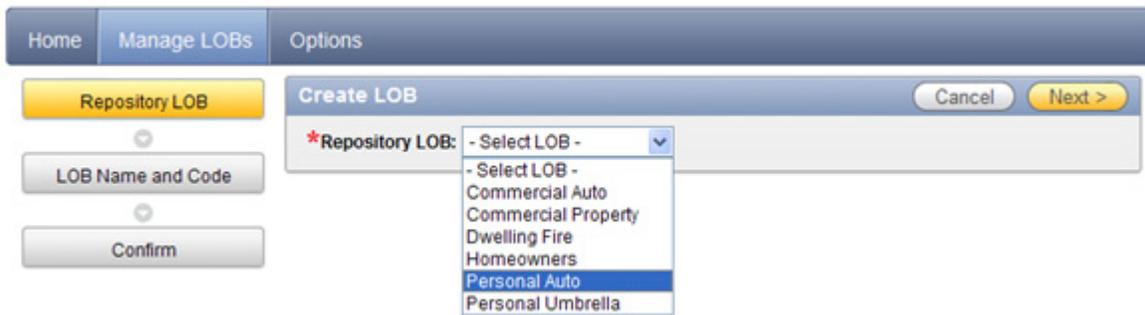


Figure 17: Select the LOB Template

5. Click **Next**. The following screen appears and lists the source LOB as well as the LOB name and the unique code assigned to the LOB.

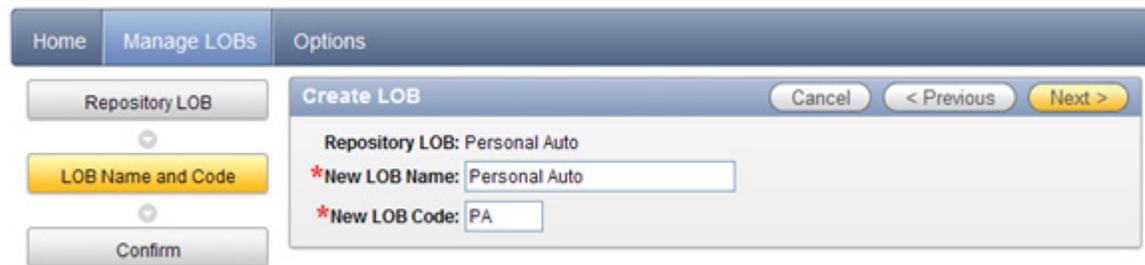


Figure 18: LOB Name and Code

-
- Note**
- If the LOB already exists in the Warehouse Palette a number will be automatically appended to the end of the Name and Code to distinguish it from the existing LOB (i.e., Personal Auto 1\PA1, Personal Auto 2\PA2,.etc).
 - The Warehouse Palette allows identical LOB names but does not allow identical LOB codes. If there is already an existing LOB with the same code then you will receive an error message when you attempt to create the LOB.
-

6. Accept the LOB Name and Code or rename them as you see fit. If you decide to rename them follow the naming conventions in *Appendix D: LOB Values and Naming Conventions*.
7. Click the **Next** button. The Confirm screen appears.

Figure 19: Confirm LOB Creation

8. Click the **Finish** button. You will be returned to the Manage LOBs screen. The new LOB is listed in the table.

LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Personal Auto	PA	1	Draft	Success	Dec 13, 2010 11:40 AM

Figure 20: The New LOB is Listed on the Manage LOBs Screen

OPTION 2: CREATING A LOB “FROM SCRATCH”

This method allows you to create a LOB that is outside the range of the provided LOB templates. LOBs created from scratch will be empty. Users must manually define their own set of Dimensions and Attributes for the LOB after they have created it.

To create a LOB from scratch:

1. Click on the **Manage LOBs** menu option or the **Manage LOBs** link on the Home page to open the **Manage LOBs** screen.
2. Click on the **Create LOB** button. The Create LOB screen opens:



Figure 21: Select Copy from Repository

3. Select the **From Scratch** radio button.



Figure 22: Select the From Scratch Radio Button

4. Click the **Next** button. The LOB Detail screen appears:

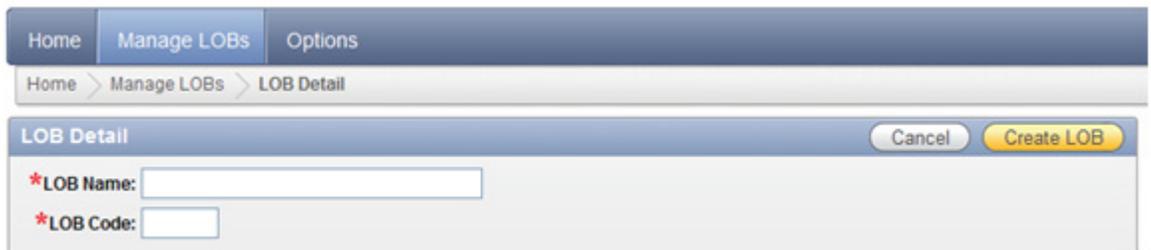


Figure 23: LOB Detail Screen

5. Enter a LOB Name and Code using the naming conventions in *Appendix D: LOB Values and Naming Conventions*.

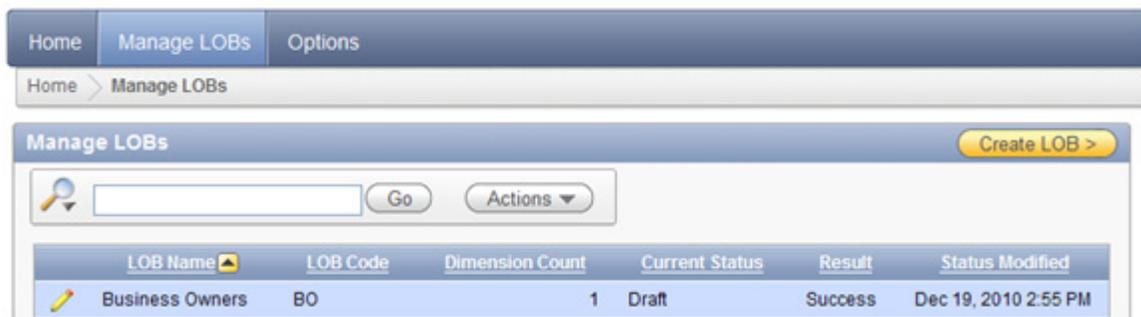
Note The Warehouse Palette allows identical LOB names but does not allow identical LOB codes. If there is already an existing LOB with the same code then you will receive an error message when you attempt to create the LOB.



The screenshot shows the 'LOB Detail' form. At the top, there are navigation tabs: 'Home', 'Manage LOBs', and 'Options'. Below the tabs is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail'. The form itself has a title bar 'LOB Detail' with 'Cancel' and 'Create LOB' buttons. The main area contains two required fields: '*LOB Name:' with the value 'Business Owners' and '*LOB Code:' with the value 'BO'.

Figure 24: Enter a New Name and Code

- Click on the **Create LOB** button. You will be returned to the Manage LOBs screen where the new LOB is listed on the screen.



The screenshot shows the 'Manage LOBs' screen. At the top, there are navigation tabs: 'Home', 'Manage LOBs', and 'Options'. Below the tabs is a breadcrumb trail: 'Home > Manage LOBs'. The main area has a title bar 'Manage LOBs' with a 'Create LOB >' button. Below the title bar is a search bar with a magnifying glass icon, a 'Go' button, and an 'Actions' dropdown menu. Below the search bar is a table with the following data:

LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Business Owners	BO	1	Draft	Success	Dec 19, 2010 2:55 PM

Figure 25: New LOB Appears on the Manage LOBs Screen

- Create the Dimensions for the LOB. Go to *Chapter 5 - Adding Dimensions and Attributes to a LOB* on page 27.

WHAT'S IN A LOB TEMPLATE?

Each pre-defined LOB template comes with a complete set of Line of Business specific Dimensions and Attributes. The contents of a LOB template are spread over three screens:

- Manage LOBs Screen
- LOB Detail Screen
- Dimension Detail Screen

MANAGE LOBS SCREEN

After you create a LOB, either from a template or from scratch, you are transferred to the Manage LOBs screen. The Manage LOBs screen lists all current LOBs in the Warehouse Palette. From here you can open the LOB and edit its Dimensions and Attributes.

LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Commercial Auto	CA	2	Draft	Success	Dec 13, 2010 9:51 AM
Commercial Property	CP	1	Published	Success	Dec 12, 2010 2:13 PM
Dwelling Fire	DF	1	Published	Success	Dec 12, 2010 2:57 PM
Homeowners	HO	1	Published	Success	Dec 12, 2010 11:44 AM
Personal Auto	PA	2	Published	Success	Dec 13, 2010 2:27 AM
Personal Umbrella	PU	1	Unpublish	Waiting	Dec 13, 2010 11:40 AM

Figure 26: Manage LOBs Screen

The LOBs table displays the following information:

Note The six columns that appear on the Manage Lobs screen are the default columns. They can be reordered or removed by selecting the **Select Columns** option under the Actions drop-down menu.

Name

The LOB Name.

Code

The LOB Code.

Dimension Count

The number of Dimensions defined in the LOB.

Current Status and Result

These two columns are interrelated. The **Current Status** column describes the status of a LOB when it is created or submitted for “publication” to OII while the **Result** column describes the result of that status. The following are the possible status and results of a LOB:

Table 1: Current Status and Result Column Entries

Current Status	Result	Description
Draft	Success	The LOB has been successful created and can now be edited.
Draft	Error	There is an error that occurred when editing the LOB. Go to the LOB Detail screen to see further information about the error. For complete information on error handling in the Warehouse Palette, see <i>Chapter 6- Using the Error View Screen</i> .
Publish	Waiting	An administrator has published the LOB (using the Publish LOB button on the Advanced View screen) and the request is waiting in the queue.
Publish	Processing	The LOB publish is currently in process.
Published	Success	The LOB has been successfully published to OII.
Unpublish	Waiting	The administrator has “unpublished” the LOB (using the Unpublish LOB button on the Advanced View screen) and the request is waiting in the queue.
Unpublish	Processing	The LOB “unpublish” is currently in process.
Published	Error	An error occurred during the LOB unpublish process.

The diagram on the next page illustrates the states of a LOB at the different points in the LOB cycle.

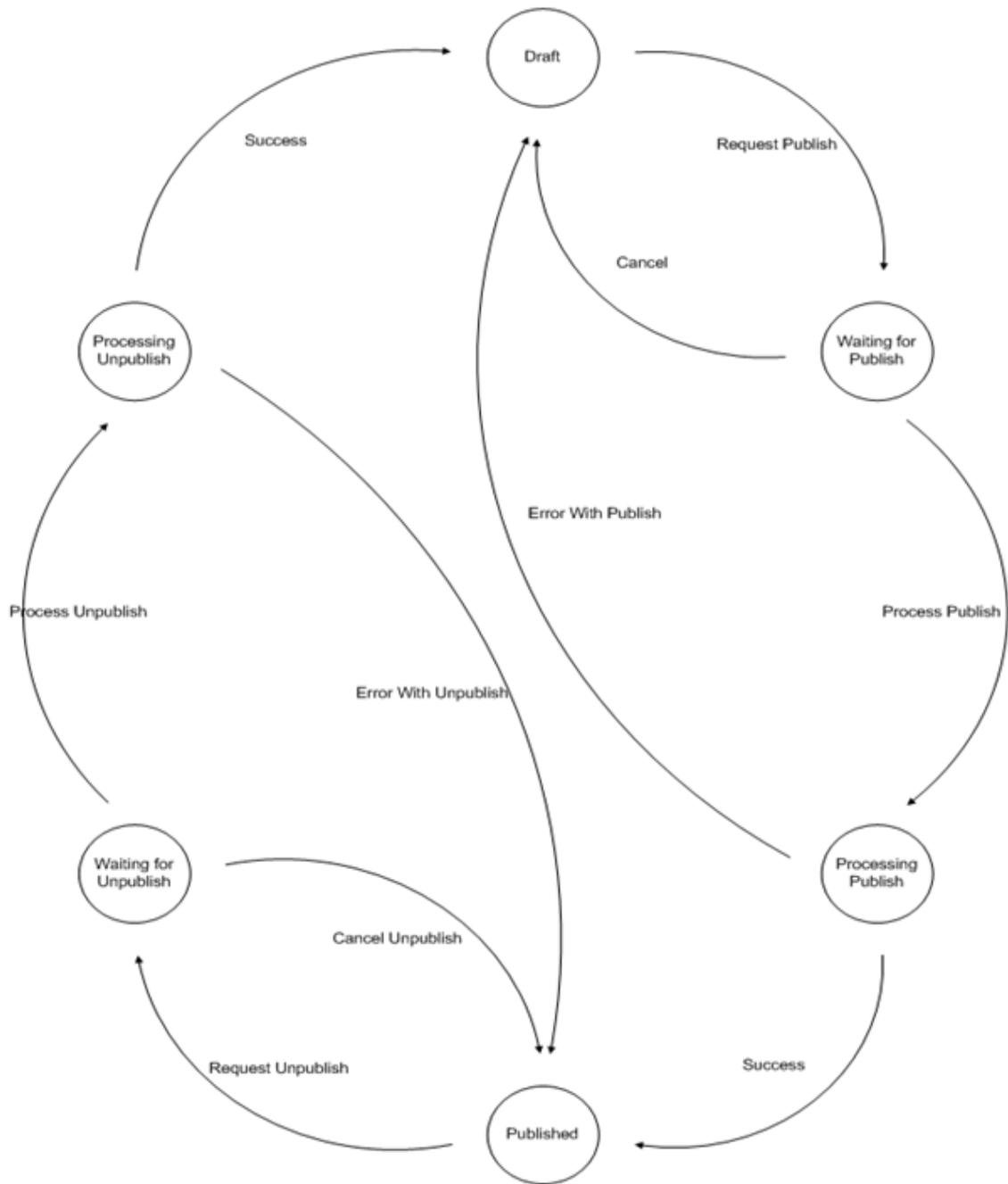


Figure 27: States of LOBs Over the LOB Creation and Publish Cycle

Status Modified

The date and time that the LOB was created or modified.

To Open a LOB:

1. Click on the **Edit** icon in the row of the LOB that you wish to edit.



Figure 28: Select the Edit Icon to Open a LOB

2. The LOB Detail screen opens:

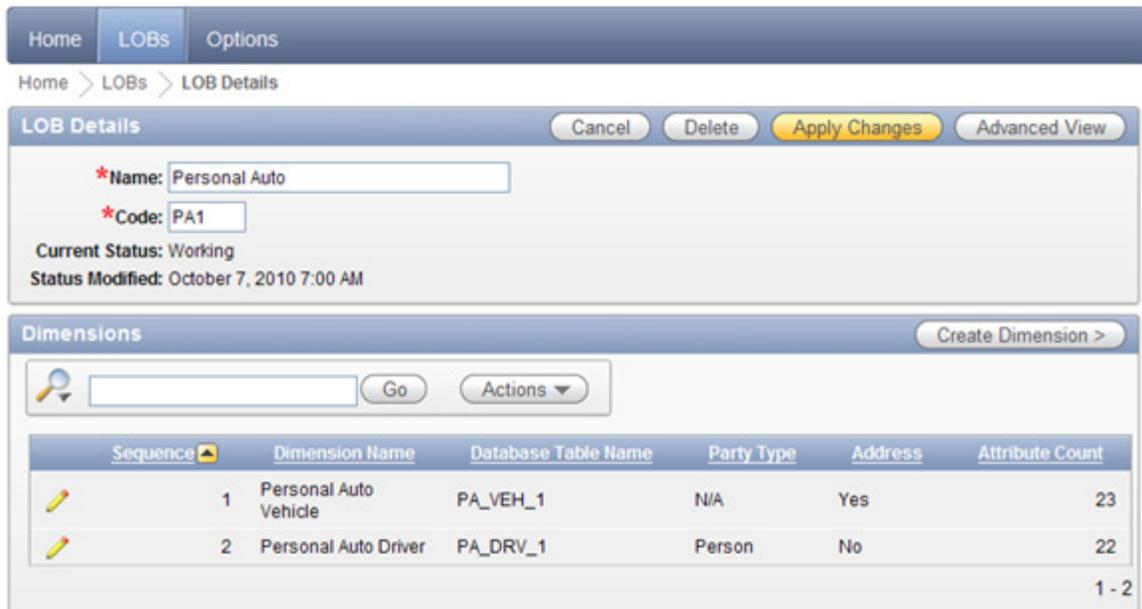


Figure 29: LOB Detail Screen: Personal Auto LOB Template

LOB DETAIL SCREEN

The LOB Detail screen lists all Dimensions currently defined in the LOB. This screen has two sections: *LOB Detail* and *Dimensions*.

LOB Detail

This section shows summary information for the LOB including the LOB Name and Code, the current status, and date that the LOB was last edited.

The screenshot shows a window titled "LOB Detail" with a search bar and four buttons: "Cancel", "Delete", "Apply Changes", and "Advanced View". Below the search bar, there are two input fields: "*LOB Name: Personal Auto" and "*LOB Code: PA". Below these fields, it displays "Current Status: Working" and "Status Modified: November 4, 2010 11:13 AM".

Figure 30: LOB Detail Section

The buttons at the top allow you to perform the following functions:

- **Cancel** - This button closes the LOB Detail screen and returns you to the Manage LOBs screen.
- **Delete** - This button deletes the entire LOB including all of its Dimensions and Attributes from the system. When this button is selected a message box will appear, prompting you to confirm the deletion.
- **Apply Changes** - This button will save your changes to the LOB Detail screen and return you to the Manage LOBs screen.
- **Advanced View** - This button opens a separate screen where you can preview the LOB structures that are created when you “publish” a LOB to the OII system. It also allows users with Administrator privileges to publish or unpublish the LOB. See *Chapter 7 - Previewing a LOB in the Advanced View Screen* for a full description of this feature.

Dimensions

The Dimensions section lists all Dimensions within the LOB. From this screen you can create a new Dimension or edit an existing one. The columns listed in the Dimensions table are derived from the properties that you entered when you initially created the Dimension. See *Creating a Dimension* on page 27 for more information.

The screenshot shows a window titled "Dimensions" with a search bar and a "Create Dimension >" button. Below the search bar, there are two buttons: "Go" and "Actions". Below these buttons is a table with the following data:

Sequence	Dimension Name	Database Table Name	Party Type	Address	Attribute Count
1	Personal Auto Vehicle	PA_VEH_1	N/A	Yes	23
2	Personal Auto Driver	PA_DRV_1	Person	No	22

At the bottom right of the table, it says "1 - 2".

Figure 31: Dimensions Section

To Open a Dimension:

1. Click on the **Edit** icon in the row of the Dimension that you wish to open.

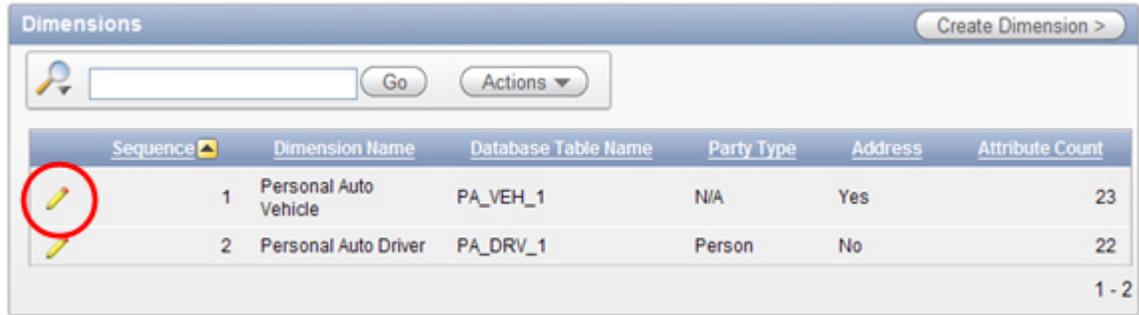


Figure 32: Select the Edit Icon to Open a Dimension

2. The Dimension Detail screen opens.

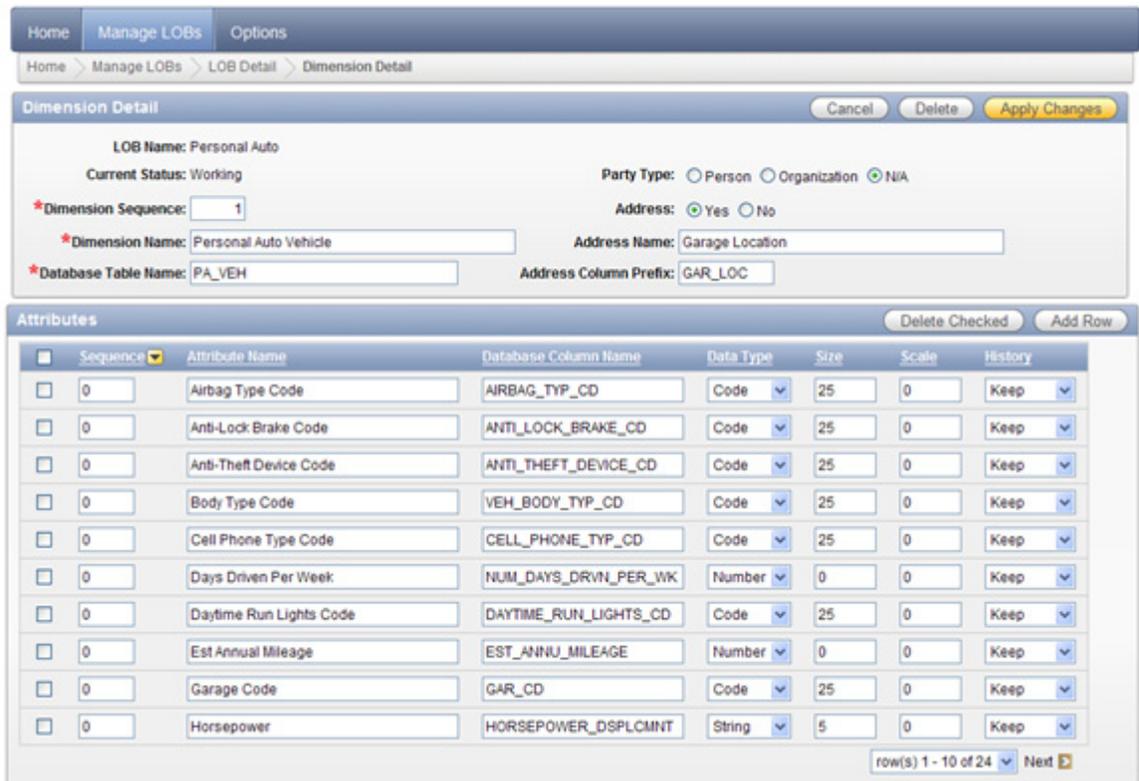


Figure 33: Dimension Detail Screen Shows a Dimension's Properties and Attributes

DIMENSION DETAIL SCREEN

The Dimensions Detail screen is divided into two sections: *Dimension Detail* and *Attributes*.

Dimension Detail

The *Dimension Detail* section displays the properties for the selected Dimension. For a complete description of the individual values for the Dimension properties, refer to *Creating a Dimension* on page 27.

The screenshot shows the 'Dimension Detail' form with the following fields and values:

- Home | Manage LOBs | Options
- Home > Manage LOBs > LOB Detail > Dimension Detail
- Buttons: Cancel, Delete, Apply Changes
- LOB Name: Personal Auto
- Current Status: Working
- Party Type: Person Organization NIA
- *Dimension Sequence: 1
- *Dimension Name: Personal Auto Vehicle
- *Database Table Name: PA_VEH
- Address: Yes No
- Address Name: Garage Location
- Address Column Prefix: GAR_LOC

Figure 34: Dimension Properties

The buttons at the top allow you to perform the following tasks:

- **Cancel** - This button closes the Dimension Detail screen and returns you to the LOB Detail screen.
- **Delete** - This button deletes the current Dimension along with all of its Attributes from the LOB. When you select the Delete button a message box will appear asking you to confirm the deletion.
- **Apply Changes** - This button saves any changes to the Dimension properties or Attributes that you make and returns you to the LOB Detail screen.

Attributes

The Attributes section lists all Attributes in the current Dimension. For a complete description of the individual values for the Attribute properties, refer to *Creating an Attribute* on page 30.

The screenshot shows the 'Attributes' table with the following data:

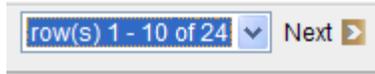
Sequence	Attribute Name	Database Column Name	Data Type	Size	Scale	History
0	Vehicle Effective Date	VEH_EFF_DT	Date	7	0	Keep
0	Body Type Code	VEH_BODY_TYP_CD	String	25	0	Keep
0	Symbol Code	VEH_SYM_CD	String	25	0	Keep
0	Use Code	VEH_USE_CD	String	25	0	Keep
0	Performance Code	VEH_PERF_CD	String	25	0	Keep
0	Anti-Theft Device Code	ANTI_THEFT_DEVICE_CD	String	25	0	Keep
0	Airbag Type Code	AIRBAG_TYP_CD	String	25	0	Keep
0	Ownership Type Code	OWNRSHIP_TYP_CD	String	25	0	Keep
0	Rating Age Code	RATING_AGE_CD	String	25	0	Keep
0	Garage Code	GAR_CD	String	25	0	Keep

Buttons: Delete Checked, Add Row

row(s) 1 - 10 of 24 Next

Figure 35: Attribute Properties

By default, there are 10 Attributes displayed per page. Use the drop-down list or the **Next** button at the bottom of the screen to page through the rest of the Attributes.



The buttons at the top of the Attributes allow you to perform the following tasks:

- **Delete Checked** - This button deletes any Attributes that you have checked on the screen. To delete all Attributes from the Dimension, check the box in the column header row.
- **Add Row** - This button adds a row of blank field prompts at the bottom of the current page for you to fill in and create a new Attribute.

Chapter 5

Adding Dimensions and Attributes to a LOB

This section describes the steps for adding Dimensions and Attributes to a LOB.

CREATING A DIMENSION

Follow these instructions to create a new Dimension for a LOB.

1. On the Manage LOBs screen, click on the **Edit** icon in the row of the LOB that you wish to edit.



Figure 36: Select Edit icon

2. The LOB Detail screen opens.

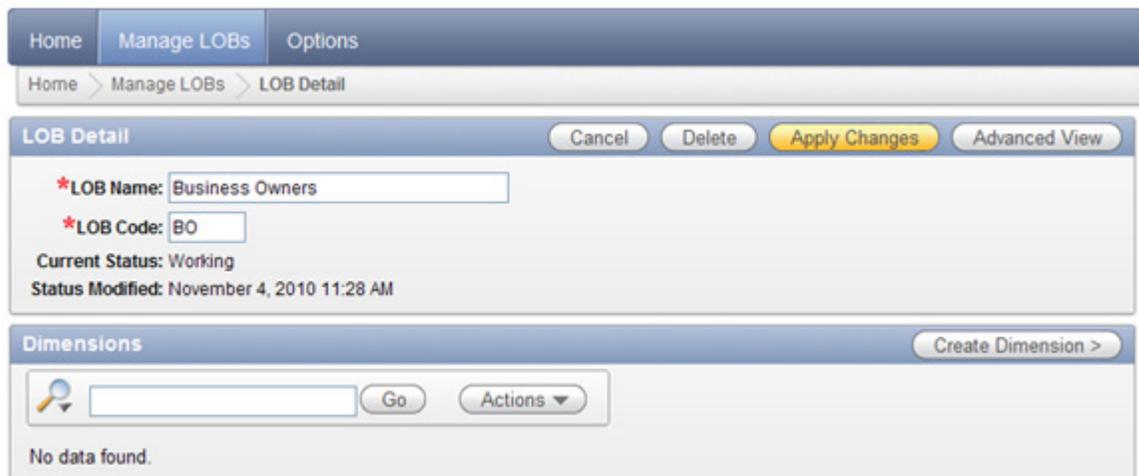


Figure 37: LOB Detail Screen

3. Click on the **Create Dimension** button.

The Dimension Detail screen opens.

The screenshot shows the 'Dimension Detail' screen. At the top, there are navigation tabs: 'Home', 'Manage LOBs', and 'Options'. Below that is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail > Dimension Detail'. The main form area is titled 'Dimension Detail' and contains the following fields:

- LOB Name: Business Owners
- Current Status: Working
- Party Type: Person Organization N/A
- Address: Yes No
- *Dimension Sequence:
- *Dimension Name:
- *Database Table Name:
- Address Name:
- Address Column Prefix:

At the top right of the form, there are 'Cancel' and 'Create' buttons.

Figure 38: Dimension Detail Screen

4. Specify the values at the applicable fields. Those properties marked with a red asterisk are required. For those properties that require you to enter a value in a text box, apply the naming conventions listed in *Appendix D: LOB Values and Naming Conventions*.
 - a. **Dimension Sequence** - A sequence number to control the order of Dimensions within a LOB.
 - b. **Dimension Name** - The Dimension Name.
 - c. **Database Table Name** - The name of the physical database table associated with the Dimension in the ODI and OII database structures.
 - d. **Party Type** - A flag to indicate whether this Dimension will implement the standard set of Attributes reserved for either an **Organization** or **Person**.

See *Appendix C: Reserved Names* for a list of these Attributes.
 - e. **Address** - A flag to indicate whether this Dimension will implement the standard set of Attributes reserved for Address and Geographic Attributes.

See *Appendix C: Reserved Names* for a list of the Address attributes.
 - f. **Address Name** - If the “Address” flag is selected then this is the business name for the address. For example, a Dimension called “Vehicle” can be assigned an Address Name of “Garage Location”.
 - g. **Address Column Prefix** - A prefix to affix to all Address based column names. For example: GAR_LOC_CITY, GAR_LOC_STATE, etc.).

Note The Warehouse Palette has a number of reserved words and reserved table names (*Appendix C: Reserved Names*). These names cannot be used as standalone names for the Database Table Name.

- After you have selected the properties, click on the **Create** button.

Note The Warehouse Palette will validate the values you have entered on the screen. For most errors, a message will appear at the top of the screen and identify the error. You will then have to correct the problem before you can create the Dimension.

If, however, you used a reserved word or reserved table name (see *Appendix C: Reserved Names*) you will be ejected from the Dimension Detail screen and have to fix the error in the Error View screen. See *Chapter 6: Using the Error View Screen* for more information.

- If there are no naming convention errors you will be returned to the LOB Detail screen. The new Dimension will be listed under the Dimensions section.

The screenshot displays the Warehouse Palette interface. At the top, there are navigation tabs for 'Home', 'Manage LOBs', and 'Options'. Below this is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail'. The main content area is divided into two sections.

The first section is titled 'LOB Detail' and contains the following information:

- *LOB Name: Business Owners
- *LOB Code: BO
- Current Status: Working
- Status Modified: November 4, 2010 11:28 AM

Buttons for 'Cancel', 'Delete', 'Apply Changes', and 'Advanced View' are visible at the top right of this section.

The second section is titled 'Dimensions' and features a search bar with a magnifying glass icon, a 'Go' button, and an 'Actions' dropdown menu. A 'Create Dimension >' button is located at the top right of this section.

Below the search bar is a table with the following data:

Sequence	Dimension Name	Database Table Name	Party Type	Address	Attribute Count
1	Office	BO_OFFICE	N/A	Y	2

The page number '1 - 1' is displayed at the bottom right corner of the interface.

Figure 39: Dimension Successfully Created

- Proceed to *Creating an Attribute* on page 30 to create the Attributes for the new Dimension.

CREATING AN ATTRIBUTE

Once you've created a Dimension you need to populate it with one or more **Attributes**.

1. In the Dimensions section of the LOB Detail screen, click on the **Edit** icon for the Dimension that you created in the previous section.

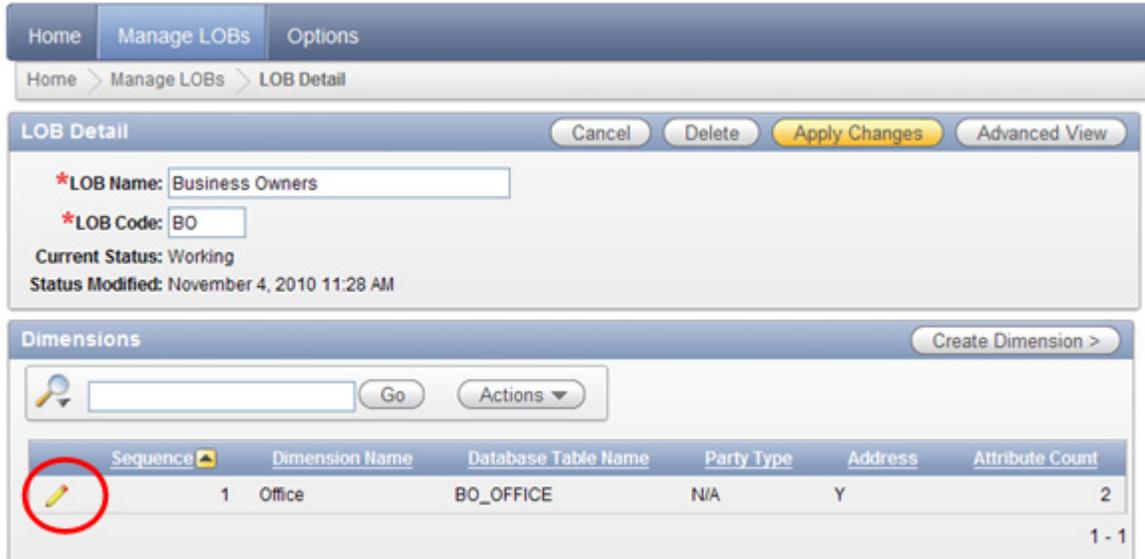


Figure 40: Click on Edit Icon for the Dimension

2. The Dimensions Details screen opens. Notice that there is now an Attributes section at the bottom of the screen containing column headings with blank entries.

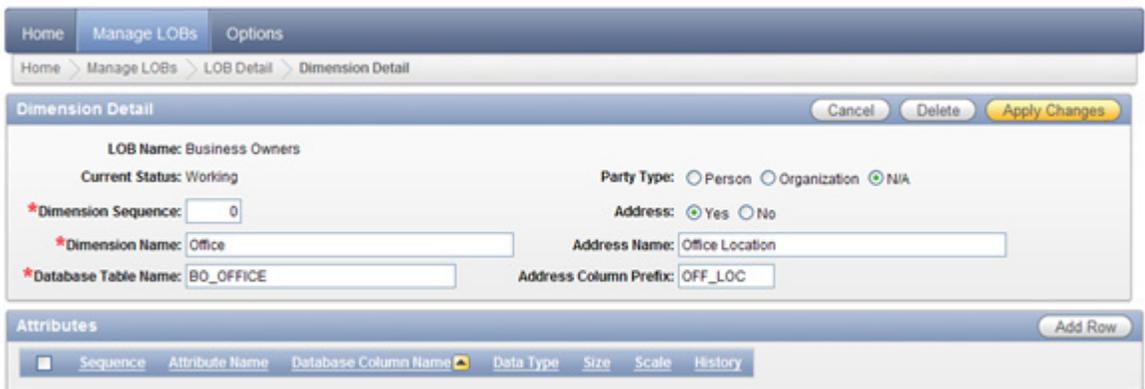


Figure 41: Attributes Section of Dimension Detail Screen

3. Click on the **Add Row** button. A row of blank prompts appears beneath each column.



Figure 42: Click the Add Row Button to Display the Attribute Field Prompts

4. Specify the values at the applicable fields. For those properties that require you to enter values in a text box, apply the naming conventions listed in *Appendix D: LOB Values and Naming Conventions*.
 - a. **Sequence** - A Sequence Number used to control the order of Attributes within a Dimension.
 - b. **Attribute Name** - The name of the Attribute.
 - c. **Database Column Name** - A physical database column name for the Attribute that is used in the ODI and OII database structures.
 - d. **Data Type** - The Logical data type to be translated into a Physical data type: String, Number, Date, Code, and Flag.
 - e. **Size** - The maximum length of a String or precision of a Number.
 - f. **Scale** - The number of places allowed to the right of a decimal or a number.
 - g. **History** - The rule to apply to an Attribute when its value changes: Keep or Overwrite.

Note The Warehouse Palette has a number for reserved words and reserved database column names (*Appendix C: Reserved Names*). These names cannot be used as standalone names for the Database Column Name.

5. To add additional Attributes, select the **Add Row** button and enter the values at the prompts as needed.

The screenshot displays the 'Dimension Detail' and 'Attributes' sections of a software interface. The 'Dimension Detail' section includes fields for 'LOB Name: Business Owners', 'Current Status: Working', 'Party Type' (radio buttons for Person, Organization, NIA), 'Address' (radio buttons for Yes, No), 'Dimension Sequence' (input field with 1), 'Dimension Name' (input field with Office), 'Database Table Name' (input field with BO_OFFICE), 'Address Name' (input field with Office Location), and 'Address Column Prefix' (input field with OFF_LOC). The 'Attributes' section features a table with columns: Sequence, Attribute Name, Database Column Name, Data Type, Size, Scale, and History. The table contains two rows of attribute data.

Sequence	Attribute Name	Database Column Name	Data Type	Size	Scale	History
1	Office Type	OFFICETYPE	String	0	0	Keep
2	Office Number	OFFICENUMBER	Number	0	0	Keep

Figure 43: Add Additional Attributes to the Dimension

6. When you have finished creating your Attributes, click on the **Apply Changes** button.

Note The Warehouse Palette will validate the values you have entered on the screen. In most cases, if an error occurs a message will appear at the top of the screen and identify the error. You will then have to correct the problem before you can save your changes.

If you used a reserved word or reserved column name (*Appendix C: Reserved Names*) or a duplicate column name you will be ejected from the Dimension Detail screen and have to fix the error in the Error View screen. See *Chapter 6: Using the Error View Screen* for more information.

If there are no naming convention errors you will be returned to the **LOB Detail** screen. The number under the “Attributes Count” column will be updated to reflect the newly created Attributes.

The screenshot shows the 'LOB Detail' screen in a web application. At the top, there are navigation tabs for 'Home', 'Manage LOBs', and 'Options'. Below these is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail'. The main content area is titled 'LOB Detail' and includes buttons for 'Cancel', 'Delete', 'Apply Changes', and 'Advanced View'. The form contains the following information:

- *LOB Name: Business Owners
- *LOB Code: BO
- Current Status: Working
- Status Modified: November 4, 2010 11:28 AM

Below the form is a 'Dimensions' section with a 'Create Dimension >' button. It features a search bar with a 'Go' button and an 'Actions' dropdown menu. A table displays the dimensions and their attributes:

Sequence	Dimension Name	Database Table Name	Party Type	Address	Attribute Count
1	Office	BO_OFFICE	N/A	Y	2

The page number '1 - 1' is visible in the bottom right corner.

Figure 44: New Attributes under the “Attributes Count” Column

Chapter 6

Using the Error View Screen

When a user saves a Dimension on the Dimension Detail screen, the Warehouse Palette automatically validates all Dimension table names and Attribute column names that the user has entered. In most circumstances, if the Warehouse Palette encounters a naming error it will display an error message at the top of the Dimension Detail screen. The user will then have to correct the error before they can save their changes.

Certain Attribute column naming errors can be fixed in the Error View Screen. The Error View screen is hidden during normal editing. It only becomes accessible if the user attempts to save a Dimension in the Dimension Detail screen that contains an invalid Attribute column name. A column name is invalid if it is:

- a reserved word
- a reserved column name
- a duplicate of an existing database column name

Note *Appendix C: Reserved Names* contains a list of all reserved word as well as reserved column and table names in the Warehouse Palette.

The **Error View** screen can be opened from the LOB Detail screen via the **Error View** button which replaces the **Advanced View** button that normally appears on this screen.

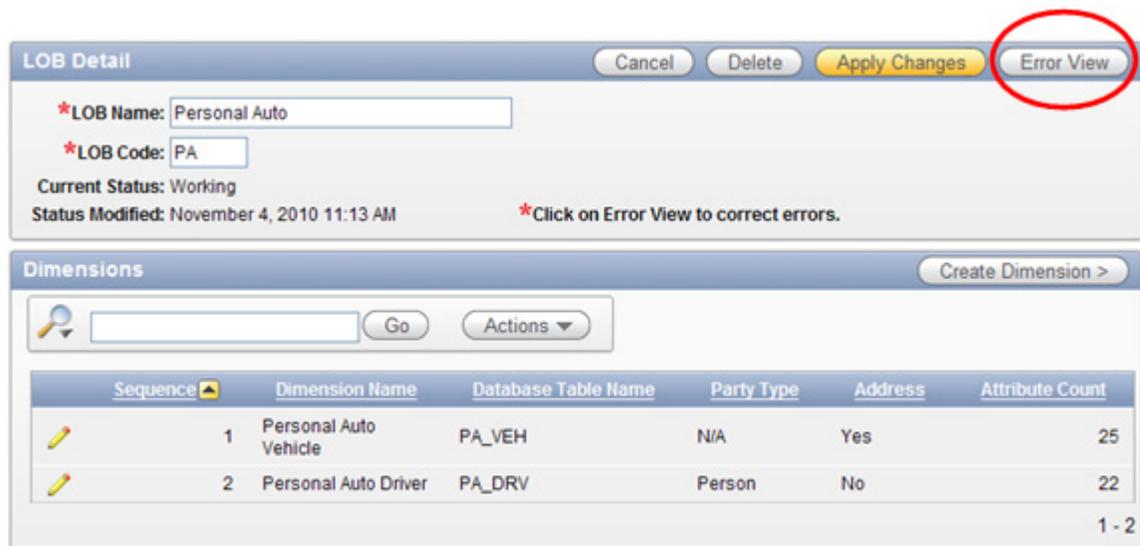


Figure 45: The Error View Button Replaces the Advanced View Button

Example: Invoking the Error View Screen

This example demonstrates how invalid column names are handled in the Error View screen. Let’s say that you are editing the Vehicle Dimension for the Personal Auto LOB template and create an Attribute called “Vehicle Model” and inadvertently give it a Database Column Name called “VEH_MODEL”. A similar Attribute, “Model”, already exists as part of the Vehicle Dimension and also has a Database Column Name called “VEH_MODEL”.

<input type="checkbox"/>	0	Make	VEH_MAKE	String	20	0
<input type="checkbox"/>	0	Model	VEH_MODEL	String	20	0
<input type="checkbox"/>	0	Performance Code	VEH_PERF_CD	Code	25	0
<input type="checkbox"/>	0	Vehicle Model	VEH_MODEL	String	25	0

Previous row(s) 11-

Figure 46: Duplicate Database Column Names

When you select the **Apply Changes** button to save your changes you will be returned to the LOB Detail screen. The **Error View** button has replaced the **Advanced View** button. There is also a message below the row of buttons informing you that an error has occurred.

LOB Detail Cancel Delete **Apply Changes** Error View

*LOB Name:

*LOB Code:

Current Status: Working
 Status Modified: November 4, 2010 11:13 AM *Click on Error View to correct errors.

Dimensions Create Dimension >

Sequence	Dimension Name	Database Table Name	Party Type	Address	Attribute Count
1	Personal Auto Vehicle	PA_VEH	N/A	Yes	25
2	Personal Auto Driver	PA_DRV	Person	No	22

1 - 2

Figure 47: The Error View Button

To Fix the Error in the Error View Screen

1. From the LOB Detail screen, click on the **Error View** button. The Error View screen opens. This screen shows the Dimension where the error occurred along with the error message identifying the problem.

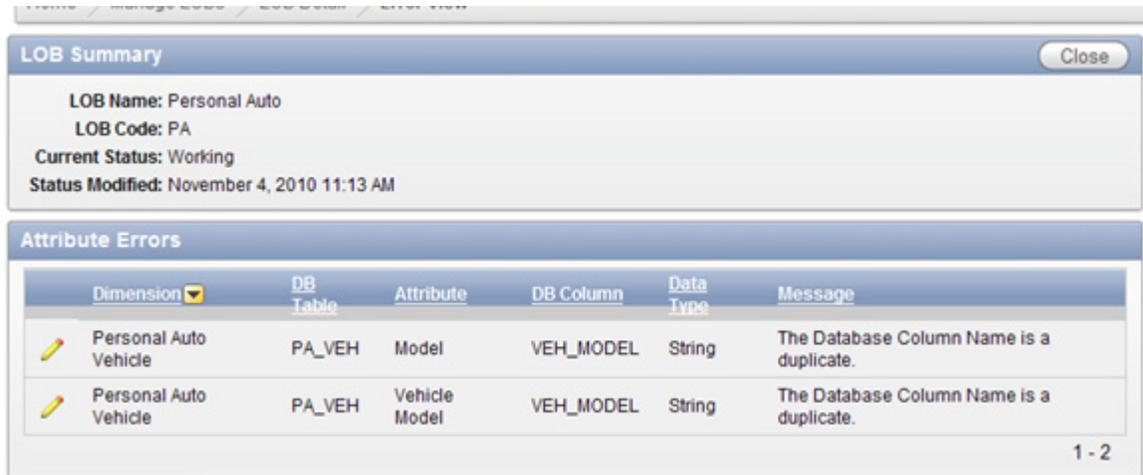


Figure 48: Error View Screen

2. Click on the **Edit** icon in the row containing the “Vehicle Model” attribute that you just created. The Edit Attribute screen opens:

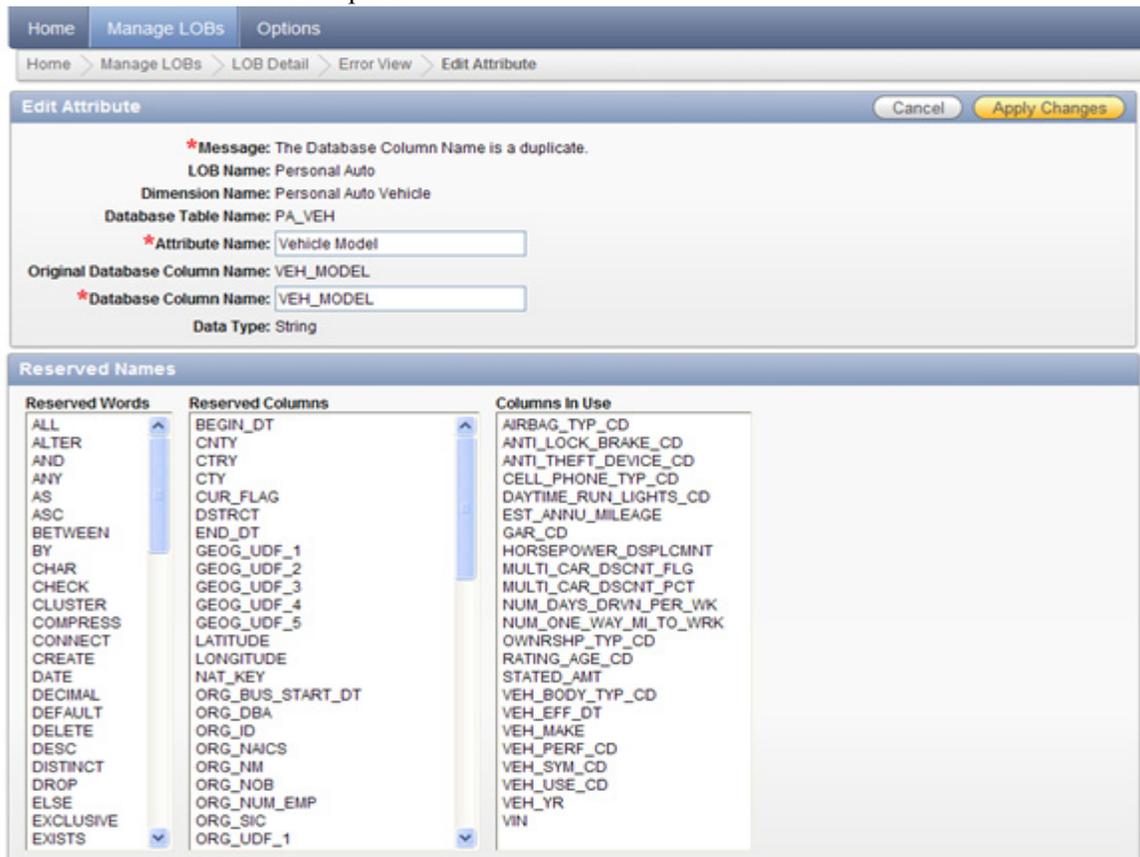


Figure 49: Edit Attribute Screen

The *Edit Attribute* section on top of the Edit Attribute screen displays summary information for the Dimension and a text box where you can edit the Database Column Name.

The *Reserved Names* portion of the screen below provides a list of Reserved Words and Reserved Column names in the Warehouse Palette for quick reference. It also lists the columns that are currently in use in the Dimension.

3. Use the lists provided in the Reserved Names section to enter a unique column name (i.e., VEH_MODEL_TYPE) in the Database Column Name field.

Note Another solution, of course, would be to simply return to the Dimension Detail screen and delete the duplicate Attribute from the Vehicle Dimension.

4. Select the **Apply Changes** button. You will be returned to the LOB Detail screen. The **Advanced View** button will be restored on the screen.

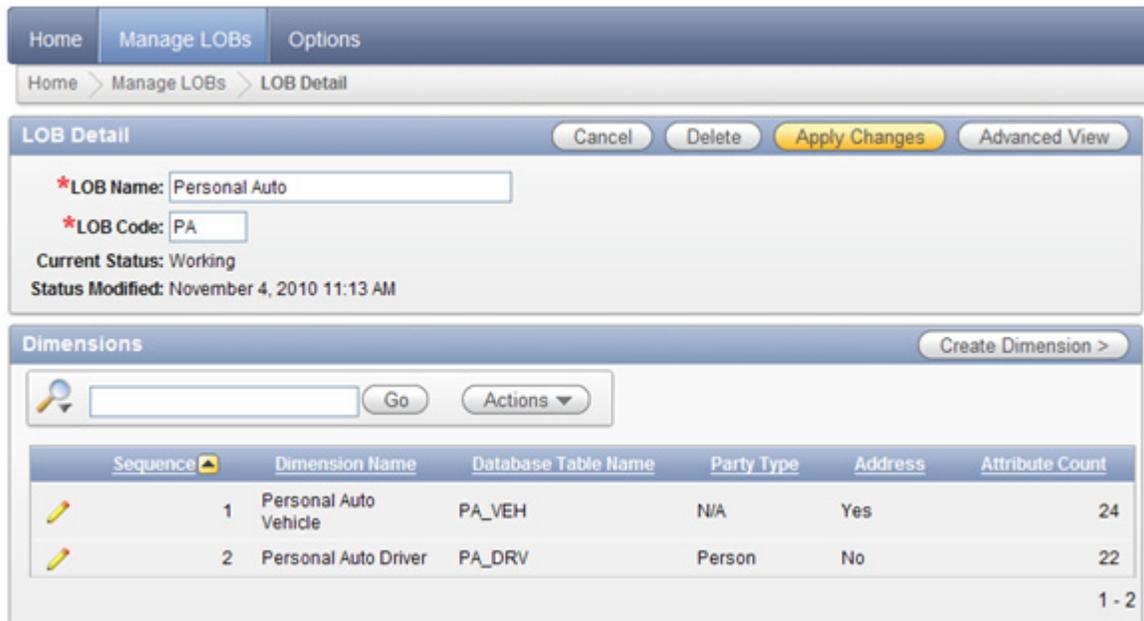
Chapter 7

Previewing a LOB in the Advanced View Screen

Only an OII Administrator can publish a LOB to the OII system. The *Advanced View* screen, however, allows all users to preview the LOB structures that are created when a LOB is published to the OII system.

USING THE ADVANCED VIEW SCREEN

1. From the Manage LOBs screen select the **Edit** icon next to the LOB that you wish to preview. The LOB Detail screen opens:



The screenshot shows the LOB Detail screen with the following information:

- Navigation:** Home > Manage LOBs > LOB Detail
- Buttons:** Cancel, Delete, Apply Changes, Advanced View
- Fields:**
 - *LOB Name: Personal Auto
 - *LOB Code: PA
 - Current Status: Working
 - Status Modified: November 4, 2010 11:13 AM
- Dimensions Section:** Create Dimension >
- Search:** Search icon, input field, Go, Actions
- Table:**

Sequence	Dimension Name	Database Table Name	Party Type	Address	Attribute Count
1	Personal Auto Vehicle	PA_VEH	N/A	Yes	24
2	Personal Auto Driver	PA_DRV	Person	No	22

1 - 2

Figure 50: LOB Detail Screen

2. Click on the **Advanced View** button. The Advanced View screen opens.

The Advanced View screen will be different for users logged in as an Administrator. The screen below shows the Advanced View screen as it would appear to an Administrator.

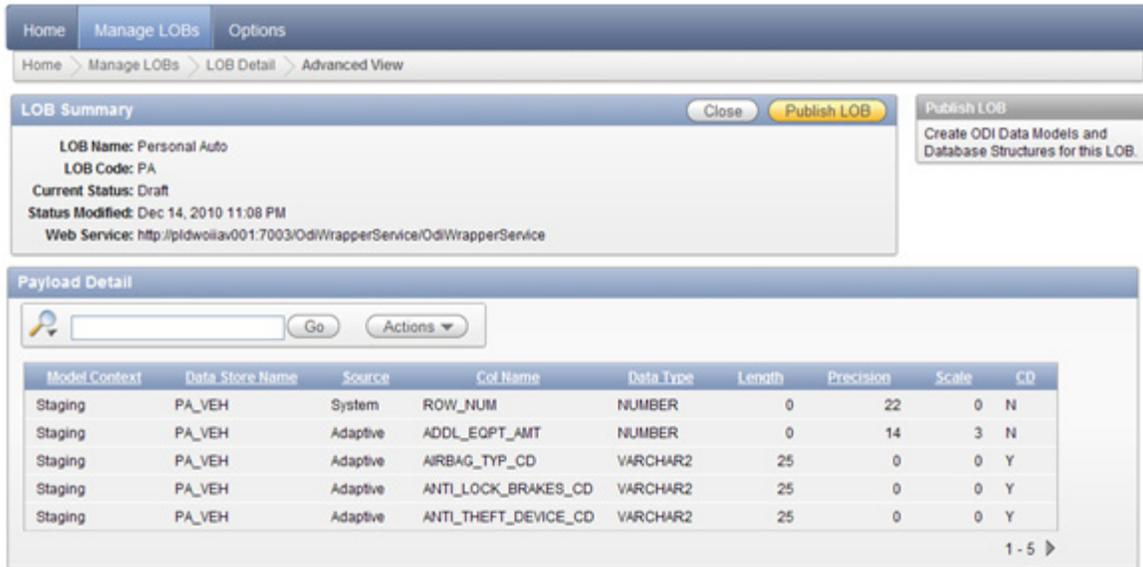


Figure 51: Advanced View Screen (Administrator Privileges)

Figure 52 shows how the screen would appear to a non-administrator:

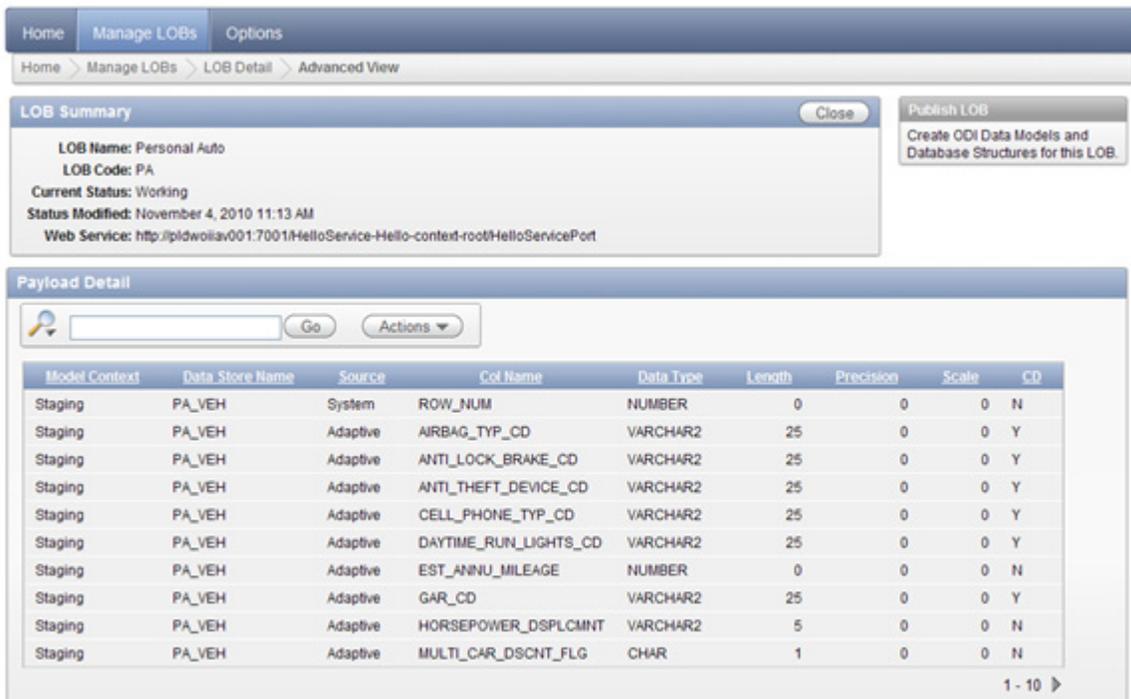


Figure 52: Advanced View Screen (Non-Administrator)

The Advanced View screen has two sections: *LOB Summary* and *Payload Detail*.

LOB Summary

The LOB Summary section displays the following summary information for the LOB:

- **Name** - The LOB Name.
- **Code** - The LOB Code.
- **Current Status** - The status of the LOB: *Working* or *Published*. Only “Working” LOBs can be published.
- **Status Modified** - The date and time that the LOB was last edited.
- **Web Service** - The host name, port number, and full address of the machine hosting the OII Web Service. The Web Service host name and port number can be configured on the Options screen.

LOB Summary Buttons

The LOB Summary section contains the following buttons:

- **Close** - Closes the Advanced View screen and returns you to the LOB Detail screen.
- **Publish LOB (Administrator Only)** - Publishes the LOB to the OII system. See *Chapter 8: Publishing and Unpublishing a LOB* for a complete description of this feature.

Payload Detail

The Payload Detail section shows the LOB structures that are created when a LOB is published. See *Previewing the Contents of a LOB* on page 40 for a description of this section’s content.

PREVIEWING THE CONTENTS OF A LOB

The LOB *object* consists of the LOB’s Dimensions and Attributes. The LOB *payload* represents the physical transformation of the LOB object into the ODI data stores and database tables for each layer of the OII data schema (Staging, Warehouse, and Data Mart). The Payload Detail section allows you to preview the contents of the LOB payload. Each time that you add or modify a Dimension or Attribute in the Warehouse Palette the Payload Detail section is automatically updated.

For each Dimension in a LOB, the Warehouse Palette creates a corresponding ODI data store underneath the Staging, Warehouse, and Data Mart model layers. These models correspond directly to the OII database schemas (Staging, Warehouse, and Data Mart). For each of these data stores a corresponding database table is created within the corresponding database schemas.

Data Store Names

The data store names are derived from the Dimension’s database table names. For example, the data stores names for the Personal Auto Vehicle and Driver Dimensions under the Staging and Warehouse model layers will have the same names as the Dimension’s database table names. The data store names for the Data Mart model layers will have “_DIM” appended to the database table name (e.g., PA_VEH_DIM).

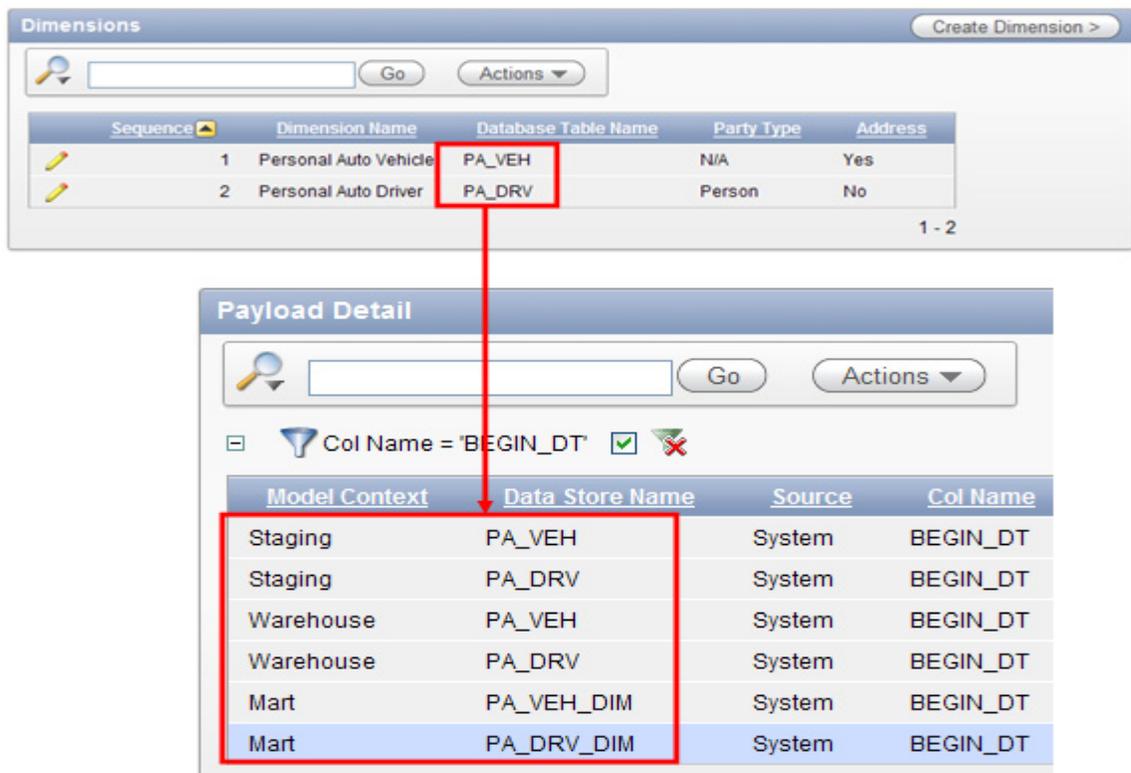


Figure 53: Data Store Names in the Staging, Warehouse, and Data Mart Models

Figure 54:

Columns in the Payload Detail Table

When you first arrive at the Advanced View screen only a certain number of columns are displayed in the Payload Detail table. Use the “Select Columns” item from the **Actions** menu to display the other available columns.

To display additional columns in the Payload Detail table:

1. Click on the **Actions** button. The **Actions** menu appears:

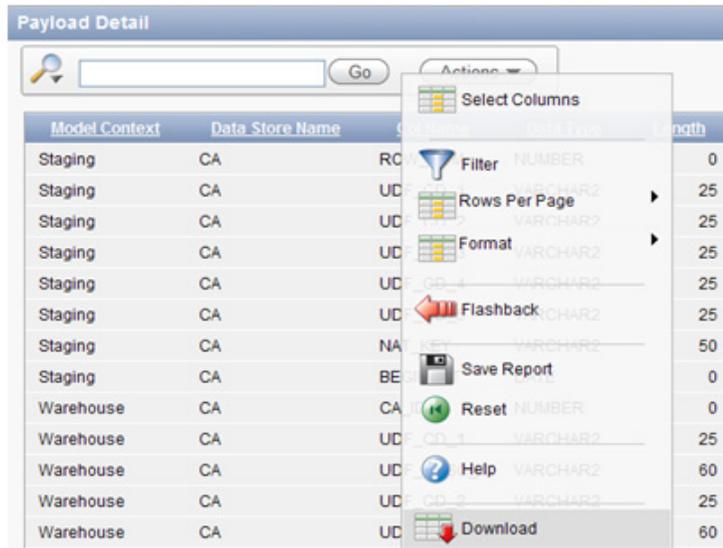


Figure 55: Actions Menu

2. Click on the **Select Columns** menu option. The following dialog box opens:

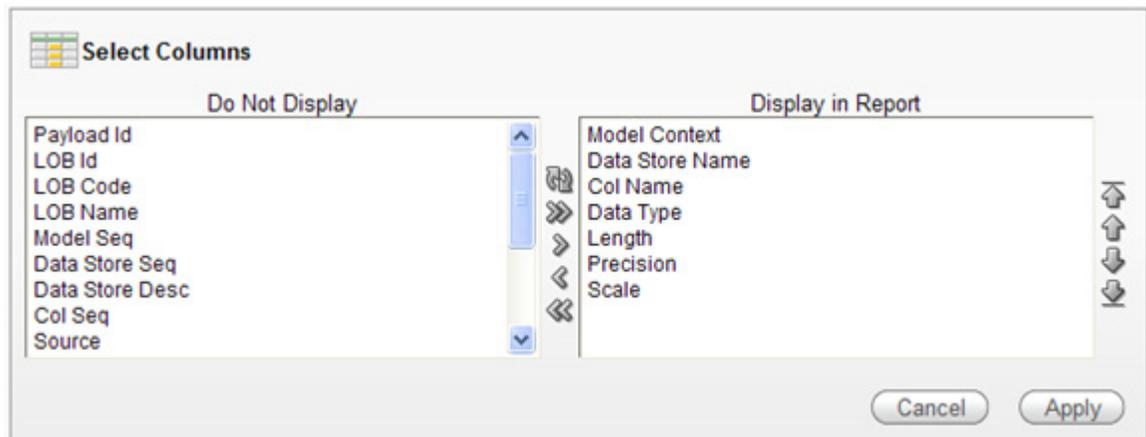


Figure 56: Select Columns Dialog Box

3. Use the buttons in the dialog box to select the columns that you wish to see in the table.
4. When you are finished, click the **Apply** button to save your selections and close the dialog box.

The following table describes each of the columns in the Payload Detail table. It also reveals the Dimension and Attribute properties in the Dimension Detail screen from which the columns are derived, where applicable.



Figure 57: Dimension and Attribute Properties.

Table 2: Columns in the Payload Detail Table

Column	Description	Derived from the...
CD	A flag indicating if this is a “Code” column.	Attribute Data Type
Col Desc	The column description.	Attribute Name
Col Name	The column name. There are additional database column names that are automatically added to a Dimension depending on which properties are selected for the Dimension when it is created. For a complete list and description of each of the columns that make up the LOB payload, refer to <i>Appendix B: Payload Details Columns</i> .	Database Column Name
Col Seq	A sequence number to control the order of Attributes within a Dimension.	Attribute Sequence
Data Store Desc	The ODI Data Store description.	Dimension Name
Data Store Name	The ODI Data Store name.	Dimension Database Table Name
Data Store Seq	The ODI Data Store sequence.	Dimension Sequence
Data Type	The logical data type: <ul style="list-style-type: none"> • VARCHAR2 • NUMBER • DATE 	Attribute Data Type
FK	A flag (Y/N) indicating if this column is a “Foreign Key”.	NA

Table 2: Columns in the Payload Detail Table (Continued)

Column	Description	Derived from the...
Length	The column length.	Attribute Size
LOB Code	The LOB Code.	LOB Code
LOB ID	The LOB ID.	NA
LOB Name	The LOB Name.	LOB Name
Model Context	The ODI Model Context (Staging, Warehouse, Datamart)	NA
Model Seq	The ODI Model Store Sequence.	Dimension Sequence
Payload ID	A unique ID for a row in the Payload Detail table	NA
PK	A flag (Y/N) indicating if this column is a "Primary Key".	NA
Precision	The column length.	Attribute Size
Scale	The column scale.	Attribute Scale
SCD Typ	The Slow Changing Dimension (SCD) rule to apply to an Attribute when its value changes: <ul style="list-style-type: none"> • ADD_ROW_ON_CHANGE • OVERWRITE_ON_CHANGE 	Attribute History
Source	System, Core, or Adaptive	NA
UDF	A flag (Y/N) indicating if this is a "User Defined Field" column.	NA

Chapter 8

Publishing and Unpublishing a LOB

Only a user with Administrative privileges can publish/unpublish a LOB. “Publishing” a LOB to the OII system is the final step in the LOB process. When a LOB is published, the Dimension and Attribute properties in the LOB are used to build the LOB structures in the OII system.

The diagram below illustrates the steps that occur when a LOB is published.

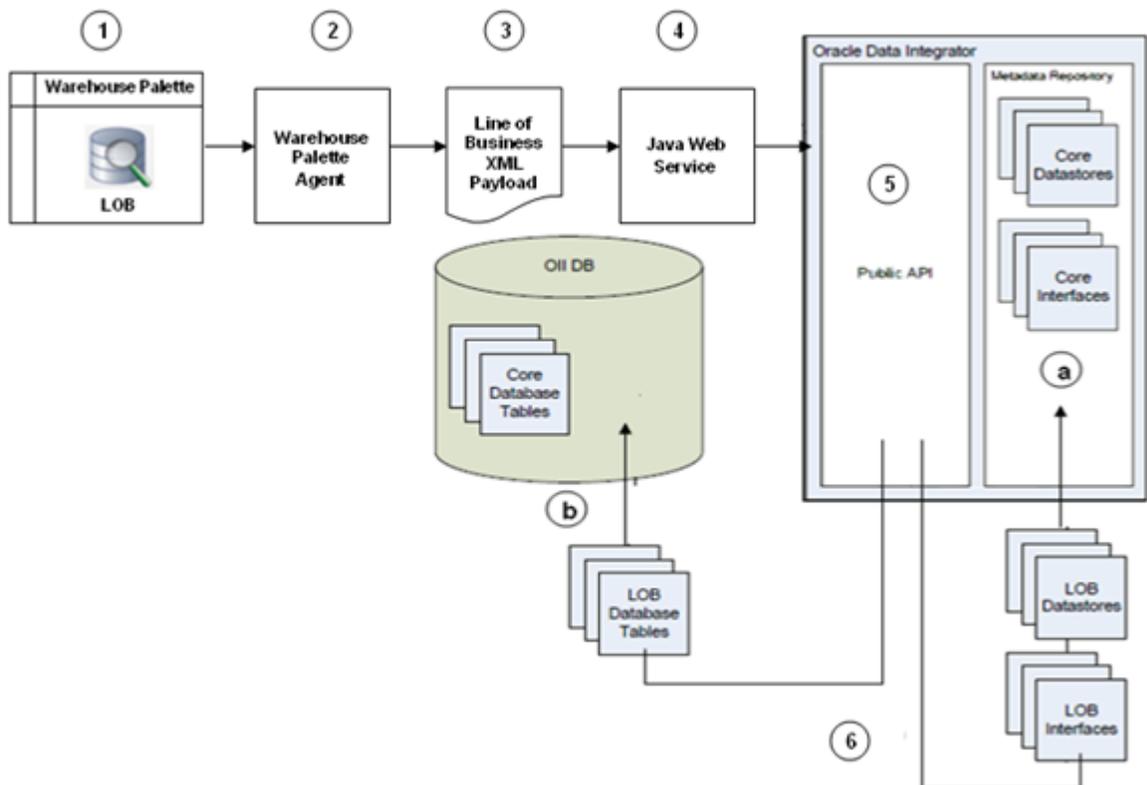


Figure 58: LOB “Publish” Process

1. The user creates a LOB using the Warehouse Palette. A user with Administrative privileges then submits a request to publish the LOB.
2. The Warehouse Palette Agent receives the publish request.
3. The Warehouse Palette Agent creates the Line of Business XML Payload file. The Line of Business XML Payload file is a document containing the LOB properties.
4. The Line of Business XML Payload is passed to the Java Web Service.

5. The Java Web Service processes the Line of Business XML Payload and publishes it to the Oracle Data Integrator (ODI) via a Public API.
6. This enables the creation of the following components:
 - a. The ODI models and data structures for the LOB.
 - b. The LOB structures for the OII database.

IMPORTANT Be aware that once a LOB is published you will no longer be able to edit it in the Warehouse Palette. You'll notice that if you open a published LOB and go to the LOB Detail or Dimension Detail that both the **Delete** and **Apply Changes** buttons are missing from the interface. This means that you will not be able to delete, add, or modify the LOB or its Dimensions and attributes. The LOB essentially becomes *read-only*.

In order to open the LOB up for editing the administrator must *unpublish* or unpublish a LOB. A LOB unpublish will undo the publish process and enable the user to edit the LOB and republish it. When a LOB is unpublish, however, the entire LOB data structure created in the OII system will be deleted.

STARTING THE WAREHOUSE PALETTE AGENT

The Warehouse Palette Agent must be running in order to publish/unpublish a LOB. If you have not already started it, follow these instructions:

1. Open a command prompt and go to: **<OII_ROOT>\app\agent\bin**
For example: **C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\bin**
2. Start the agent by typing: **agent_start**
3. A series of messages will appear in the command line as the Warehouse Palette Agent starts and connects to the server.

STOPPING THE WAREHOUSE PALETTE AGENT

1. To stop the Warehouse Palette Agent, open a new window and at the command prompt and go to: **<OII_ROOT>\app\agent\bin**
For example: **C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\bin**
2. Start the Warehouse Palette Agent by typing: **agent_stop**

PUBLISHING A LOB

Follow these steps to publish a LOB.

1. From the Manage LOBs screen, select the **Edit** icon in the row of the LOB that you wish to publish. The LOB Detail screen opens.
2. Click on the **Advanced View** button. The Advance View screen opens.

The screenshot shows the 'Advanced View' screen for a LOB. The top navigation bar includes 'Home', 'Manage LOBs', and 'Options'. Below it, a breadcrumb trail reads 'Home > Manage LOBs > LOB Detail > Advanced View'. The main content area is divided into two sections:

LOB Summary

- LOB Name: Commercial Auto
- LOB Code: CA
- Current Status: Draft
- Status Modified: Dec 14, 2010 11:38 PM
- Web Service: http://pldwolkav001:7003/OdiWrapperService/OdiWrapperService

Buttons for 'Close' and 'Publish LOB' are visible. A separate 'Publish LOB' button is also present, with a tooltip that reads 'Create ODI Data Models and Database Structures for this LOB.'

Payload Detail

A search bar with a 'Go' button and an 'Actions' dropdown menu is located above a table. The table lists the following columns: Model Context, Data Store Name, Source, Col Name, Data Type, Length, Precision, Scale, and CD.

Model Context	Data Store Name	Source	Col Name	Data Type	Length	Precision	Scale	CD
Staging	CA_VEH	System	ROW_NUM	NUMBER	0	22	0	N
Staging	CA_VEH	Adaptive	ADDL_EQPT_AMT	NUMBER	0	14	3	N
Staging	CA_VEH	Adaptive	AIRBAG_TYP_CD	VARCHAR2	25	0	0	Y
Staging	CA_VEH	Adaptive	ANTI_LOCK_BRAKES_CD	VARCHAR2	25	0	0	Y
Staging	CA_VEH	Adaptive	ANTI_THEFT_DEVICE_CD	VARCHAR2	25	0	0	Y
Staging	CA_VEH	Adaptive	AUTO_STBLTS_DSCNT_FLG	CHAR	1	0	0	N
Staging	CA_VEH	Adaptive	AUTO_STBLTS_DSCNT_PCT	NUMBER	0	6	3	N
Staging	CA_VEH	Adaptive	CELL_PHONE_TYP_CD	VARCHAR2	25	0	0	Y
Staging	CA_VEH	Adaptive	DAYTIME_RUN_LIGHTS_CD	VARCHAR2	25	0	0	Y
Staging	CA_VEH	Adaptive	EST_ANNU_DRVG_DIST	NUMBER	0	0	0	N

A pagination indicator '1 - 10' is located at the bottom right of the table.

Figure 59: Advanced View Screen

3. Click on the **Publish LOB** button. A message box will open and ask you to confirm the action.

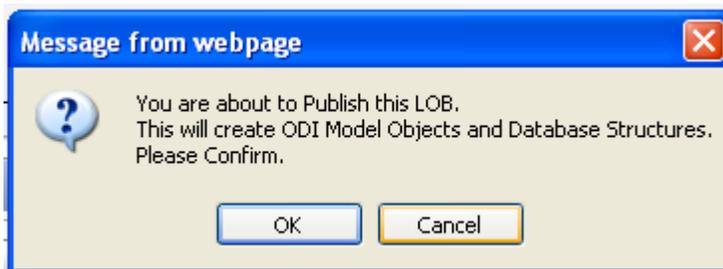


Figure 60: Confirm LOB Publish

- Click on the **OK** button. You will be returned to the Manage LOBs screen. The “Current Status” column will show “Published” and the “Result Column” will show “Waiting”.

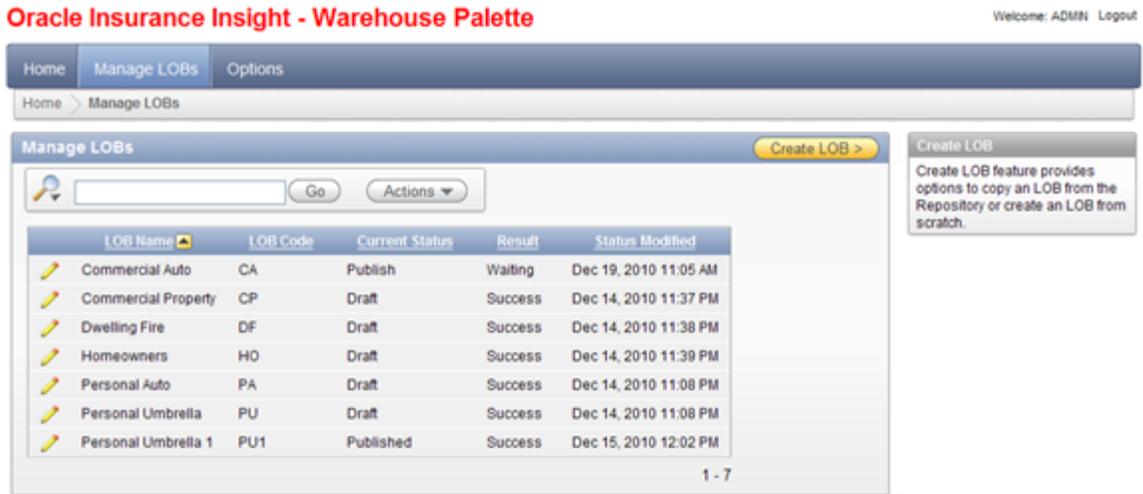


Figure 61: LOB Publish is Successful

LOB PUBLISHING PROCESS

A LOB goes through three phases when it is published. These phases are reflected by the “Current Status” and “Result” columns,

Table 3: LOB Publish Phases

Phase	Current Status/Result	Edit LOB?	Cancel Publish?
1	Publish/Waiting	No	Yes
2	Publish/Processing	No	No
3	Published/Success	No	No

Publish/Waiting Phase:

The administrator has published the LOB and the request is waiting in the queue. This is the only phase during which that the LOB publish process can be cancelled. See *Cancelling a LOB Publish Request* on page 50.



Figure 62: Publish/Waiting

Publish/Processing Phase:

During this phase the LOB publish request is being processed. The LOB cannot be cancelled at this point.



The screenshot shows the 'Manage LOBs' interface. At the top right is a 'Create LOB >' button. Below it is a search bar with a magnifying glass icon, a 'Go' button, and an 'Actions' dropdown menu. The main content is a table with the following columns: 'LOB Name', 'LOB Code', 'Dimension Count', 'Current Status', 'Result', and 'Status Modified'. A single row is visible with the following data: 'Commercial Auto' (LOB Name), 'CA' (LOB Code), '2' (Dimension Count), 'Publish' (Current Status), 'Processing' (Result), and 'Dec 13, 2010 11:42 AM' (Status Modified). There is a small yellow pencil icon to the left of the LOB Name.

LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Commercial Auto	CA	2	Publish	Processing	Dec 13, 2010 11:42 AM

Figure 63: Publish/Processing

Published/Successful:

The LOB has been successfully published to OII. A published LOB cannot be edited unless the Administrator “unpublishes” the LOB. See “*Unpublishing*” a LOB on page 51 for more information.



The screenshot shows the 'Manage LOBs' interface. At the top right is a 'Create LOB >' button. Below it is a search bar with a magnifying glass icon, a 'Go' button, and an 'Actions' dropdown menu. The main content is a table with the following columns: 'LOB Name', 'LOB Code', 'Dimension Count', 'Current Status', 'Result', and 'Status Modified'. A single row is visible with the following data: 'Commercial Auto' (LOB Name), 'CA' (LOB Code), '2' (Dimension Count), 'Published' (Current Status), 'Success' (Result), and 'Dec 13, 2010 11:42 AM' (Status Modified). There is a small yellow pencil icon to the left of the LOB Name.

LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Commercial Auto	CA	2	Published	Success	Dec 13, 2010 11:42 AM

Figure 64: Published/Success

LOB Publishing Errors

In the event that the LOB failed to successfully publish, an error message will appear under the “Result” column. For a description of these error messages, refer to *Appendix A: LOB Publishing Error Messages*.

LOB Publishing Time

In general, publishing a LOB may take several minutes. Such factors as the size of the LOB and any background processes you may have running on your system may affect that time frame.

CANCELLING A LOB PUBLISH REQUEST

The only point where you can cancel the LOB publish process is when the “Current Status” column shows “Publish” and the “Status” column shows “Waiting”.



LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Commercial Auto	CA	2	Publish	Waiting	Dec 13, 2010 11:42 AM

Figure 65: “Publish/Waiting” Stage

To cancel a LOB publish request:

1. On the Manage LOBs screen select the Edit icon of the LOB for which you want to cancel the publish request. The LOB Detail screen opens.
2. Select the **Advanced View** button. The Advanced View screen opens. The **Publish LOB** button has been replaced with a **Cancel Publish** button.



Figure 66: The “Cancel Publish” Button Replaces the “Publish LOB” Button

3. Click **Cancel Publish**. A dialog box will appear and ask you to confirm the cancellation.
4. Click **OK** on the dialog box. You will be returned to the Manage Lobs screen. The Current Status/Result will now read “Draft/Success”. The LOB can now be edited.

“UNPUBLISHING” A LOB

An Administrator can “unpublish” a LOB that has been published. “Unpublishing” a LOB will undo the LOB publish process by deleting all generated ODI Data Model and database structures for the specific LOB from the OII system.

If you navigate back to the Advanced View screen after you have submitted a LOB you can see that the **Publish LOB** button has now changed to a **Unpublish LOB** button. The **Unpublish LOB** button allows you to undo a LOB submit. Once you unpublish a LOB you can edit its components and resubmit it.

WARNING *Before “Unpublishing” a LOB, be sure to manually backup and remove any custom built ODI Interfaces that depend on the LOB specific ODI Data Stores. The Data Stores and Interfaces that were created automatically by Publish will be removed automatically. This process will fail, however, if those Data Stores are depended on by other interfaces that are unknown to Warehouse Palette.*

To unpublish a LOB:

1. Navigate to the Manage LOBs screen and click on the **Edit** icon of a previously published LOB. The LOB Detail screen opens.
2. Click on the **Advanced View** button. The Advanced View screen opens. Notice that the **Unpublish LOB** button now appears on this screen.



Figure 67: Unpublish Button on the Advanced View Screen

3. Click on the **Unpublish LOB** button. A message box will appear and ask you to confirm your decision.
4. Click on the **OK** button. The message box will close and you will be returned to the Manage LOBs screen. The “Current Status” column and the “Result” column will now show “Unpublish/Waiting”, respectively.

LOB Unpublish Phases

As with the LOB publish process a LOB undergoes three phases when it is unpublish.

Table 4: LOB Publish Phases

Phase	Current Status/Result	Edit LOB?	Cancel Unpublish?
1	Unpublish/Waiting	No	Yes
2	Unpublish/Processing	No	No
3	Draft/Success or Published/Error	Yes	N/A

Unpublish/Waiting:

The Administrator has “unpublished” the LOB and the request is waiting in the queue. During this period the Administrator can cancel the unpublish request by returning to the Advanced View screen and selecting the **Cancel Unpublish** button. See *Cancelling a LOB Unpublish Request* on page 53 for details.



Figure 68: Unpublish/Waiting

Unpublish/Processing:

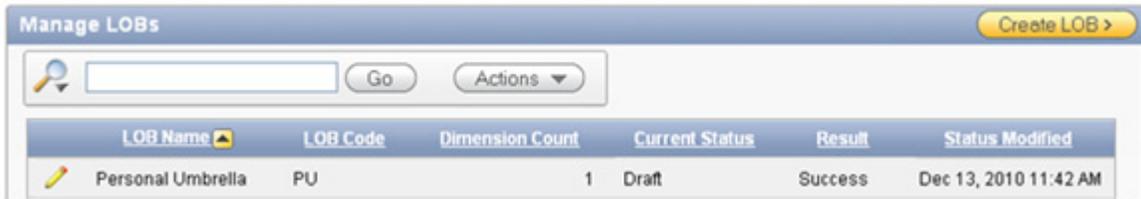
During this process the LOB “unpublish” request is process. The LOB can no longer be cancelled.



Figure 69: Unpublish/Processing

Draft/Success:

The LOB has been successfully unpublished. All data structures created in the OII system will have been deleted. The LOB can now be modified and republished.



LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Personal Umbrella	PU	1	Draft	Success	Dec 13, 2010 11:42 AM

Figure 70: Draft/Success

CANCELLING A LOB UNPUBLISH REQUEST

As with a Publish request the Administrator can also cancel an Unpublish request during the “Publish/Waiting” stage of the LOB unpublish process when the request is still in the queue.



LOB Name	LOB Code	Dimension Count	Current Status	Result	Status Modified
Personal Umbrella	PU	1	Unpublish	Waiting	Dec 13, 2010 11:40 AM

Figure 71: “Unpublish/Waiting” Stage

To cancel a LOB unpublish request:

1. On the Manage LOBs screen select the Edit icon of the LOB that you wish to cancel the publish request. The LOB Detail screen opens.
2. Select the **Advanced View** button. The Advanced View screen opens.



LOB Summary	Close	Cancel Unpublish
LOB Name: Personal Umbrella 1 LOB Code: PU1 Current Status: Unpublish Status Modified: Dec 19, 2010 1:53 PM Web Service: http://pldw0iav001:7003/OdiWrapperService/OdiWrapperService		

Figure 72: The “Cancel Unpublish” Button

3. Click **Cancel Unpublish**. A dialog box will appear and ask you to confirm the cancellation.
4. Click **OK** on the dialog box. You will be returned to the Manage LOBs screen. The Current Status/Result will revert to “Published/Success”.

Appendix A

LOB Publishing Error Messages

This appendix lists the error messages that may appear if a LOB publish fails. These messages appear on the LOBs screen of the Warehouse Palette under the “Results” column.

Message: **ODI DS Invalid Connection**

Description: The jdbc/OdiDB Data Source is invalid.

Action: Use the WebLogic Administration Console to verify that the jdbc/OdiDB is configured with an ODI Master database user.

Reference: The following manual contains information for updating the connection information within ODI Studio.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 12: Configuring and Deploying the ODI Wrapper Service*

Message: **ODI DS Invalid ODI Master**

Description: The jdbc/OdiDB Data Source is not associated with an ODI Master Repository.

Action: Use the WebLogic Administration Console to verify that the jdbc/OdiDB Data Source is configured with an ODI Master database user.

Reference: The following manual contains instructions for configuring the ODI Wrapper Service data source:

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 12: Configuring and Deploying the ODI Wrapper Service*

Message: **ODIUSER Credential Missing**

Description: The ODIUSER credential is missing from the Credential Store.

Action: Use the Credential Store Utility to add the ODIUSER credential.

Reference: Refer to the following manual for instructions on using the Credential Store Utility to add the ODIUSER credential.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 9: Setting Up Security Credentials for the ODI Wrapper Service*

Message: **ODIUSER Invalid Connection**

Description: The ODIUSER Credential is invalid.

Action: Use the Credential Store Utility to verify the ODIUSER credential.

Reference: Refer to the following manual for instructions on using the Credential Store Utility to add the ODIUSER credential.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 9: Setting Up Security Credentials for the ODI Wrapper Service*

Message: **SYSUSER Credential Missing**

Description: The SYSUSER Credential is missing from the Credential Store.

Action: Use the Credential Store Utility to add the SYSUSER credential.

Reference: Refer to the following manual for instructions on using the Credential Store Utility to add the SYSUSER credential.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 14: Upgrading to OII 7.0.2*

Message: **SYSUSER Invalid Connection**

Description: The SYSUSER credential is invalid.

Action: Use the Credential Store Utility to verify the SYSUSER credential

Reference: Refer to the following manual for instructions on using the Credential Store Utility to add the SYSUSER credential.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 14: Upgrading to OII 7.0.2*

Message: **SYSUSER Credential Mismatch**

Description: The SYSUSER Credential does not match with the OII_ORACLE Data Server Connection.

- Action:**
- Use ODI Studio to verify the database user for the OII_ORACLE Data Server.
 - Use the Credential Store Utility to verify the SYSUSER credential.

Reference: Refer to the following manuals for instructions on using ODI Studio and the Credential Store Utility.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 14: Upgrading to OII 7.0.2*
- **Chapter:** *Chapter 7: Configuring Oracle Data Integrator*

Message: **SYSUSER Invalid Permissions**

Description: The SYSUSER Credential is configured with the wrong user.

Action: Use the Credential Store Utility to reconfigure the SYSUSER credential.

Reference: Refer to the following manual for instructions on using the Credential Store Utility to add the SYSUSER credential.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 14: Upgrading to OII 7.0.2*

Message: **OII_ORACLE Invalid Connection**

Description: The ODI Data Server settings are invalid.

Action: Use ODI Studio to verify the Definition and JDBC settings for Topology->Physical Architecture->Oracle->ORACLE_OII.

Reference: Refer to the following manual for instructions on verifying the ODI Data Server settings.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 7: Configuring Oracle Data Integrator*

Message: **ODI Work Invalid Connection**

Description: The ODI Work Repository connection is invalid.

Action: Use ODI Studio to verify the Definition and JDBC settings for the Repositories
->DEV->Connection.

Reference: Refer to the following manual for instructions for updating the connection
information to the ODI Work Repository within ODI Studio.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 7: Configuring Oracle Data Integrator*

Message: **Web Service Error**

Description: The OdiWrapperService is not online.

Action:

- Use the output from the **agent_status** command to verify **host:port** of the
webservice url.
- Use the WebLogic Administration Console to verify the status of the
OdiWrapperService.

Reference: Refer to the following manuals for instructions on verifying the status of the
OdiWrapperService.

- **Manual:** *OII Installation Guide*
- **Chapter:** *Chapter 10: Setting Up Security Credentials for the Warehouse
Palette Agent*
- **Chapter:** *Chapter 7: Configuring Oracle Data Integrator*

Appendix B

Payload Details Columns

This appendix lists the columns that are created for each Dimension as part of the Payload Detail for the Staging, Warehouse, and Mart layers. Some of these columns, such as the System and Adaptive UDF columns, are automatically assigned to a Dimension. Others, such as the Person, Organization, and Address Core columns are assigned to a Dimension only if the corresponding property is selected when the user defines the Dimension in the Dimension Detail screen. The contents of the Payload Detail can be previewed from the Advanced Screen.

COLUMN PREFIXES

Each column name for a Mart layer is prefixed with the Database Table Name from the Dimension Detail screen. For example, the figure below shows the Payload Detail for the Dwelling Fire LOB. The LOC_NUM column is prefixed with the Database Table Name: DF_DWLNG.

Dimension Detail

LOB Name: Dwelling Fire **LOB Code:** DF
Current Status: Published **Party Type:** Person Organization
***Dimension Sequence:** 0 **Address:** Yes No
***Dimension Name:** Dwelling Fire Dwelling **Address Name:** Dwelling Location
***Database Table Name:** DF_DWLNG **Address Column Prefix:** LOC

Payload Detail

Row text contains 'LOC_NUM'

Model Context	Data Store Name	Col Name	Data Type	Length	Precision	Scale
Staging	DF_DWLNG	LOC_NUM	NUMBER	0	0	0
Warehouse	DF_DWLNG	LOC_NUM	NUMBER	0	0	0
Mart	DF_DWLNG_DIM	DF_DWLNG_LOC_NUM	NUMBER	0	0	0

1 - 3

Figure 73: All Mart Column Names are Prefixed with the Database Table Name from the Dimension Detail Screen

Most System columns (see “System Columns” below) in the Payload Detail do not have a prefix before them. The exception is the NAT_KEY column name which has a Database Table Name prefix for all Mart, Staging, and Warehouse layers.

Model Context	Data Store Name	Col Name	Data Type	Length	Precision	Scale
Staging	DF_DWLNNG	DF_DWLNNG_NAT_KEY	VARCHAR2	50	0	0
Warehouse	DF_DWLNNG	DF_DWLNNG_NAT_KEY	VARCHAR2	50	0	0
Mart	DF_DWLNNG_DIM	DF_DWLNNG_NAT_KEY	VARCHAR2	50	0	0

Figure 74: All NAT_KEY Column Names Have a Prefix

SYSTEM COLUMNS

The system columns are automatically assigned by the system to each Dimension in the LOB.

Table 5: System Columns

Model Context	Column Name	Description
Mart Warehouse	BEGIN_DT	Begin Date used for Slowly Changing Dimension logic.
Mart Warehouse	CUR_FLG	Current Flag used for Slowly Changing Dimension logic.
Mart Warehouse	END_DT	End Date used for Slowly Changing Dimension logic.
Mart Staging Warehouse	NAT_KEY	Natural Key used for Slowly Changing Dimension logic.
Staging	ROW_NUM	Primary Identifier for staging tables.

ADAPTIVE UDF COLUMNS

The Adaptive UDF columns are a set of user-defined columns that are automatically assigned by the system to each Dimension in a LOB.

Table 6: Adaptive UDF Columns

Model Context	Column Name	Description
Mart Warehouse	ID	User Defined Identifier
Mart	UDF_1	User Defined Field 1 – Value.
Mart	UDF_2	User Defined Field 2 – Value.
Mart	UDF_3	User Defined Field 3 – Value.
Mart	UDF_4	User Defined Field 4 – Value.
Mart	UDF_5	User Defined Field 5 – Value.
Staging Warehouse	UDF_CD_1	User Defined Field 1 - Code
Staging Warehouse	UDF_CD_2	User Defined Field 2 – Code.
Staging Warehouse	UDF_CD_3	User Defined Field 3 – Code.
Staging Warehouse	UDF_CD_4	User Defined Field 4 – Code.
Staging Warehouse	UDF_CD_5	User Defined Field 5 – Code.
Warehouse	UDF_DESC_1	User Defined Field 1 – Description.
Warehouse	UDF_DESC_2	User Defined Field 2 – Description.
Warehouse	UDF_DESC_3	User Defined Field 3 – Description.
Warehouse	UDF_DESC_4	User Defined Field 4 – Description.
Warehouse	UDF_DESC_5	User Defined Field 5 – Description.

PERSON CORE COLUMNS

The Person Core columns are a set of columns that are assigned to a Dimension when the “Person” Party Type is selected on the Dimension Detail screen.

The screenshot shows a 'Dimension Details' form. At the top, there are 'Cancel' and 'Create' buttons. Below that, the form contains several fields: 'LOB Name: Business Owners', 'Current Status: Working', 'Party Type: Person Organization N/A', 'Address: Yes No', 'Dimension Sequence:

Figure 75: “Person” Party Type

Table 7: Person Core Columns

Model Context	Column Name	Description	Derived From
Mart	BIRTH_DT_ID	Birth Date	Person
Mart	EMPLMT_START_YR	Present Employment Start Year	Person
Mart	GENDER	Gender	Person
Mart	GOVT_ID_NUM	Government Identifier	Party
Mart	MARITAL_STATUS	Marital Status	Person
Mart	NM	Name	Person
Mart	PARTY_UDF_1	Party UDF 1	Party
Mart	PARTY_UDF_2	Party UDF 2	Party
Mart	PARTY_UDF_3	Party UDF 3	Party
Mart	PARTY_UDF_4	Party UDF 4	Party
Mart	PARTY_UDF_5	Party UDF 5	Party
Warehouse	PERS_ID	Foreign Key to Person	Person
Mart	PERS_UDF_1	Person UDF 1	Person
Mart	PERS_UDF_2	Person UDF 2	Person
Mart	PERS_UDF_3	Person UDF 3	Person
Mart	PERS_UDF_4	Person UDF 4	Person
Mart	PERS_UDF_5	Person UDF 5	Person

ORGANIZATION CORE COLUMNS

The Organization Core columns are a set of columns that are assigned to a Dimension when the “Organization” Party Type is selected on the Dimension Detail screen.

The screenshot shows a 'Dimension Details' window with the following fields and values:

- LOB Name: Business Owners
- Current Status: Working
- Party Type: Person Organization NIA (This dropdown is highlighted with a red box in the original image)
- Address: Yes No
- *Dimension Sequence: 0
- *Dimension Name: [Empty text box]
- *Database Table Name: [Empty text box]
- Address Name: [Empty text box]
- Address Column Prefix: [Empty text box]

Figure 76: “Organization” Party Type

Table 8: Organization Core Columns

Model Context	Column Name	Description	Derived From
Mart	BUS_START_DT	Business Start Date	Organization
Mart	DBA	Doing Business As	Organization
Mart	GOVT_ID_NUM	Government Identifier	Party
Mart	NAICS	National Association of Insurance Commissioners	Organization
Mart	NM	Name	Organization
Mart	NOB	Nature of Business	Organization
Mart	NUM_EMP	Number of Employees	Organization
Warehouse	ORG_ID	Foreign Key to Organization	Organization
Mart	ORG_UDF_1	Organization UDF 1	Organization
Mart	ORG_UDF_2	Organization UDF 2	Organization
Mart	ORG_UDF_3	Organization UDF 3	Organization
Mart	ORG_UDF_4	Organization UDF 4	Organization
Mart	ORG_UDF_5	Organization UDF 5	Organization
Mart	PARTY_UDF_1	Party UDF 1	Party
Mart	PARTY_UDF_2	Party UDF 2	Party
Mart	PARTY_UDF_3	Party UDF 3	Party

Table 8: Organization Core Columns (Continued)

Model Context	Column Name	Description	Derived From
Mart	PARTY_UDF_4	Party UDF 4	Party
Mart	PARTY_UDF_5	Party UDF 5	Party
Mart	SIC	Standard Industrial Classification	Organization

ADDRESS CORE COLUMNS

The Address Core columns are the set of columns that are assigned to a Dimension when the “Address” property is selected on the Dimension Detail screen.

The screenshot shows a 'Dimension Details' window for 'Dwelling Fire'. The 'Party Type' is set to 'NIA'. The 'Address' property is highlighted with a red box and is set to 'Yes'. Other fields include 'Dimension Sequence' (0), 'Dimension Name', 'Database Table Name', 'Address Name', and 'Address Column Prefix'.

Figure 77: “Address” Property

Table 9: Address Core Columns

Model Context	Column Name	Description	Derived From
Warehouse	ADDR_ID	Foreign Key to Postal Address	Postal Address
Mart	CNTY	County	Geographic Boundary
Mart	CTRY	Country	Party
Mart	CTY	City	Geographic Boundary
Mart	DSTRCT	District	Geographic Boundary
Mart	GEOG_BNDRY_UDF_1	UDF_1	Geographic Boundary
Mart	GEOG_BNDRY_UDF_2	UDF_2	Geographic Boundary
Mart	GEOG_BNDRY_UDF_3	UDF_3	Geographic Boundary
Mart	GEOG_BNDRY_UDF_4	UDF_4	Geographic Boundary

Table 9: Address Core Columns (Continued)

Model Context	Column Name	Description	Derived From
Mart	GEOG_BNDRY_UDF_5	UDF_5	Geographic Boundary
Mart	LATITUDE	Latitude	Geographic Boundary
Mart	LONGITUDE	Longitude	Geographic Boundary
Mart	PSTL_CD	Postal Code	Geographic Boundary
Mart	PSTL_CD_PRFX	Postal Code Prefix	Geographic Boundary
Mart	PSTL_SUB_CD	Postal Sub Code	Geographic Boundary
Mart	REGION	Region	Geographic Boundary
Mart	STATE	State	Geographic Boundary
Mart	TAX_LOC_ID	Tax Location Identifier	Geographic Boundary
Mart	TERR	Territory	Geographic Boundary

Appendix C

Reserved Names

The following sections list the reserved words, table names, and column names in the Warehouse Palette.

RESERVED WORDS

The following reserved words cannot be used as standalone names for a database table or a column name.

ALL	DISTINCT	LIKE	START
ALTER	DROP	LOCK	SYNONYM
AND	ELSE	LONG	TABLE
ANY	EXCLUSIVE	MINUS	THEN
AS	EXISTS	MODE	TO
ASC	FLOAT	NOCOMPRESS	TRIGGER
BETWEEN	FOR	NOT	UNION
BY	FROM	NOWAIT	UNIQUE
CHAR	GRANT	NULL	UPDATE
CHECK	GROUP	NUMBER	VALUES
CLUSTER	HAVING	RAW	VARCHAR
COMPRESS	IDENTIFIED	RENAME	VARCHAR2
CONNECT	IN	RESOURCE	VIEW
CREATE	INDEX	REVOKE	WHERE
DATE	INSERT	SELECT	WITH
DECIMAL	INTEGER	SET	
DEFAULT	INTERSECT	SHARE	
DELETE	INTO	SIZE	
DESC	IS	SMALLINT	

RESERVED TABLE NAMES

The following are a list of reserved database table names in the Warehouse Palette.

BILL_ACCT	GEOG_BNDRY	REINS_CO
BILL_ACCT_DIM	GRP_PRG	REINS_CO_DIM
CAT	GRP_PRG_DIM	SUPPLIER
CAT_DIM	INSD	SUPPLIER_DIM
CLASS	INSD_DIM	TIME_DIM
CLASS_DIM	INSUR_CO	UW
CLM	INSUR_CO_DIM	UW_DIM
CLMT	LATE_ARRIVING_REC	VALIDATION_ERROR_LOG
CLMT_DIM	LITG	
CLM_ADJ	LITG_DIM	
CLM_ADJ_DIM	LMT	
CLM_DIM	LMT_DIM	
CLM_EXAMR	LOB	
CLM_EXAMR_DIM	LOB_DIM	
CLM_MGR	MLOG\$_CLM_MTH_SNAP_FACT	
CLM_MGR_DIM	MLOG\$_CLM_TRANS_FACT	
CLM_MTH_SNAP_FACT	MLOG\$_PLCY_MTH_SNAP_FACT	
CLM_TRANS	MLOG\$_PLCY_TRANS_FACT	
CLM_TRANS_CD_DIM	MTH_DIM	
CLM_TRANS_FACT	ORG	
CLM_TRANS_TO_PARTY	PARTY	
CNTCT	PARTY_ROLE	
COVRG	PARTY_TO_CNTCT	
COVRG_DIM	PARTY_TO_PARTY	
COVRG_STATUS	PARTY_TO_PARTY_ROLE	
COVRG_STATUS_DIM	PERS	
CURR_CNV	PLCY	
DC	PLCY_DIM	
DC_DIM	PLCY_MTH_SNAP_FACT	
DED	PLCY_TRANS	
DED_DIM	PLCY_TRANS_CD_DIM	
DT_DIM	PLCY_TRANS_FACT	
ERND_EXPO_TRANS	PLCY_TRANS_TO_PARTY	
ERND_PREM_TRANS	PRODR	
FEAT	PRODR_DIM	
FEAT_DIM	PSTL_ADDR	
FEAT_STATUS	REINS_CNTRCT	
FEAT_STATUS_DIM	REINS_CNTRCT_DIM	

RESERVED COLUMN NAMES

The table below lists the reserved database column names within the Warehouse Palette.

ADDR_ID	PERS_ID
BEGIN_DT	PERS_UDF_1
BIRTH_DT	PERS_UDF_2
BUS_START_DT	PERS_UDF_3
CNTY	PERS_UDF_4
CTRY	PERS_UDF_5
CTY	PSTL_CD
CUR_FLG	PSTL_CD_PRFX
DBA	PSTL_SUB_CD
DSTRCT	REGION
EMPLMT_START_YR	ROW_NUM
END_DT	SIC
GENDER	STATE
GEOG_BNDRY_UDF_1	TAX_LOC_ID
GEOG_BNDRY_UDF_2	TERR
GEOG_BNDRY_UDF_3	UDF_1
GEOG_BNDRY_UDF_4	UDF_2
GEOG_BNDRY_UDF_5	UDF_3
GOVT_ID_NUM	UDF_4
LATITUDE	UDF_5
LONGITUDE	UDF_CD_1
MARITAL_STATUS	UDF_CD_2
NAICS	UDF_CD_3
NAT_KEY	UDF_CD_4
NM	UDF_CD_5
NOB	
NUM_EMP	
ORG_ID	
ORG_UDF_1	
ORG_UDF_2	
ORG_UDF_3	
ORG_UDF_4	
ORG_UDF_5	
PARTY_NAT_KEY	
PARTY_UDF_1	
PARTY_UDF_2	
PARTY_UDF_3	
PARTY_UDF_4	
PARTY_UDF_5	

Appendix D

LOB Values and Naming Conventions

Table 10, “LOB Values and Naming Conventions,” on page 72 lists the values and naming conventions to use for defining the following LOB components:

LOB Name and Code:

The screenshot shows a web interface with a top navigation bar containing 'Home', 'Manage LOBs', and 'Options'. Below this is a sidebar with buttons for 'Repository LOB', 'LOB Name and Code' (highlighted in yellow), and 'Confirm'. The main area is titled 'Create LOB' and contains the following fields: 'Repository LOB: Personal Auto', '*New LOB Name: Personal Auto', and '*New LOB Code: PA'. At the top right of the 'Create LOB' panel are buttons for 'Cancel', '< Previous', and 'Next >'.

Figure 78: LOB Name and Code

Dimensions:

The screenshot shows a web interface with a top navigation bar containing 'Home', 'Manage LOBs', and 'Options'. Below this is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail > Dimension Detail'. The main area is titled 'Dimension Detail' and contains the following fields: 'LOB Name: Business Owners', 'Current Status: Working', 'Party Type: Person Organization NIA', 'Address: Yes No', '*Dimension Sequence: 0', '*Dimension Name: [text input]', '*Database Table Name: [text input]', 'Address Name: [text input]', and 'Address Column Prefix: [text input]'. At the top right of the 'Dimension Detail' panel are buttons for 'Cancel' and 'Create'.

Figure 79: Dimension Parameters

Attributes:

The screenshot shows a web interface with a top navigation bar containing 'Home', 'Manage LOBs', and 'Options'. Below this is a breadcrumb trail: 'Home > Manage LOBs > LOB Detail > Attribute Detail'. The main area is titled 'Attributes' and contains a table with the following columns: 'Sequence', 'Attribute Name', 'Database Column Name', 'Data Type', 'Size', 'Scale', and 'History'. The first row contains the following values: '0', '[text input]', '[text input]', 'String', '0', '0', and 'Keep'. At the top right of the 'Attributes' panel is a button for 'Add Row'.

Figure 80: Attribute Parameters

Table 10: LOB Values and Naming Conventions

Item	Unique	Value	Spaces	Maximum Length/or Range	Required
LOB Name and Code (see Figure 78 on page 71)					
LOB Name	No	<ul style="list-style-type: none"> Mixed-case, alphanumeric Any special characters except: ' " < > 	Yes	30	Yes
LOB Code	Yes	<ul style="list-style-type: none"> Upper-case, alphanumeric First Character: (A-Z) Allow only: (_A-Z, 0-9) 	No	3	Yes
Dimension (see Figure 79 on page 71)					
Dimensions Sequence	No	Number only	No	0-999	Yes
Dimension Name	No	<ul style="list-style-type: none"> Mixed-case, alphanumeric Any special characters except: ' " < > 	Yes	40	Yes
Database Table Name	Yes	<ul style="list-style-type: none"> Upper-case; alphanumeric: First Character: (A-Z) Allow only: (_A-Z, 0-9) 	No	19	Yes
Address Name	No	<ul style="list-style-type: none"> Mixed-case, alphanumeric Any special characters except: ' " < > 	Yes	40	Yes
Address Column Prefix	No	<ul style="list-style-type: none"> Upper-case; alphanumeric: First Character: (A-Z) Allow only: (_A-Z, 0-9) 	No	10	No
Attribute (see Figure 79 on page 71)					
Attribute Sequence	No	Number only	No	0-999	Yes
Attribute Name	No	<ul style="list-style-type: none"> Mixed-case, alphanumeric Any special characters except: ' " < > 	Yes	60	Yes
Database Column Name	Unique within table	<ul style="list-style-type: none"> Upper-case; alphanumeric: First Character: (A-Z) Allow only: (_A-Z, 0-9) 	No	28	Yes
Attribute Size - String	No	Number only	No	1 to 4000	Yes
Attribute Size - Date	No	Number only	No	0	Yes
Attribute Size - Number	No	Number only	No	0 to 38	Yes
Attribute Size - Flag	No	Number only	No	1	Yes

Table 10: LOB Values and Naming Conventions (Continued)

Item	Unique	Value	Spaces	Maximum Length/or Range	Required
Attribute Size - Code	No	Number only	No	1 to 4000	Yes
Attribute Scale - String	No	Number only	No	0	Yes
Attribute Scale - Date	No	Number only	No	0	Yes
Attribute Scale - Number	No	Number only	No	-84 to 127	Yes
Attribute Scale - Flag	No	Number only	No	1	Yes
Attribute Scale - Code	No	Number only	No	0	Yes

Appendix E

Managing Stuck Thread Max Time

WebLogic Server diagnoses a thread as stuck if it is continually working (not idle) for a set period of time. Further, the server logs a message each time it diagnoses a stuck thread. If the Stuck Thread Max Time is set to 600 seconds (the default value upon installation of WebLogic Server), it is possible that the publishing of some Line of Business will exceed this value and cause the server to log a message.

It is important to remember that although such a message may be logged, the publishing of a Line of Business will continue to execute.

You can tune a server's thread detection behavior by changing the length of time before a thread is diagnosed as stuck, and by changing the frequency with which the server checks for stuck threads.

To configure stuck thread detection behavior:

1. Start the WebLogic server from the Start Menu:

Start Menu>All Programs>Oracle Weblogic>User Projects>[Your Server Domain]>Start Admin Server for WebLogic Server Domain

2. Once the WebLogic server domain is running, type the following URL into your browser:

`http://<hostname>:<port>/console`

Note In the above URL, <hostname> can be the server name or IP address where you installed WebLogic (i.e., <http://<hostname>:7001/console>)

3. Log into the WebLogic Administration Console.
4. In the Change Center of the Administration Console, click Lock and Edit.
5. In the left pane of the console, expand **Environment > Servers**.
6. On the Summary of Servers page, select the server instance for which you will configure thread detection behavior.
7. On the **Configuration > Tuning** tab, update as necessary:
 - a. **Stuck Thread Max Time**—Amount of time, in seconds, that a thread must be continually working before a server instance diagnoses a thread as being stuck.
 - b. **Stuck Thread Timer Interval**—Amount of time, in seconds, after which a server instance periodically scans threads to see if they have been continually working for the configured Stuck Thread Max Time.

Settings for AdminServer

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services Keystores SSL Federation Services Deployment Migration **Tuning** Overload

Health Monitoring Server Start

Save

Use this page to tune the performance and functionality of this server.

<input checked="" type="checkbox"/> Enable Native IO		Specifies whether native I/O is enabled for the server. More Info...
Socket Readers:	<input type="text" value="33"/>	The percentage of execute threads from the default queue that can be used as socket readers. More Info...
Maximum Open Sockets:	<input type="text" value="-1"/>	The maximum number of open sockets allowed in server at a given point of time. More Info...
Stuck Thread Max Time:	<input type="text" value="600"/>	The number of seconds that a thread must be continually working before this server considers the thread stuck. More Info...
Stuck Thread Timer Interval:	<input type="text" value="60"/>	The number of seconds after which WebLogic Server periodically scans threads to see if they have been continually working for the configured maximum length of time. More Info...

Figure 81: Edit Stuck Thread Parameters.

8. Click **Save**.
9. To activate these changes, in the Change Center of the Administration Console, click **Activate Changes**. Not all changes take effect immediately—some require a restart.
10. You must reboot the server to use the new thread detection behavior values.

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