

Oracle® Communications Design Studio

Release Notes

Release 7.3.4

E75699-01

July 2016

Copyright © 2004, 2016, Oracle and/or its affiliates. All rights reserved.

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

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

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

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

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

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

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

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface	v
Audience.....	v
Related Documents	v
Documentation Accessibility	v
Document Revision History	vi
 1 Design Studio Platform	
New Features.....	1-1
Controlling Project Visibility in a Workspace.....	1-1
Design Studio Model Java API Enhancement	1-1
Conceptual Model Provider Function Enhancement	1-2
Adding Images to Design Patterns.....	1-2
Support for Importing Inventory Entities	1-2
Leveraging Logic from Existing Design Patterns.....	1-2
Conceptual Model Service Action Enhancements	1-2
Location and Resource Realization Design Pattern Enhancements	1-3
Fixes in This Release.....	1-3
Known Problems	1-3
Working Set Becomes Inactive	1-3
 2 Design Studio for ASAP	
Known Problems	2-1
The NEP Map Fails To Connect and Deploy	2-1
Design Studio 7.x Activation Test Cases Fails Over VPN and Non-VPN Mode.....	2-1
Design Studio 7.3.4 Cartridge Fails to Deploy in ASAP 7.2.0 and 7.3.0.....	2-2
 3 Design Studio for Inventory	
New Entities Available for Realization by Design Patterns.....	3-1
Known Problems	3-1
Resource Specifications Not Treated as New by the Realization Design Pattern	3-1

4 Design Studio for Network Integrity

5 Design Studio for Order and Service Management

Fixes in This Release	5-1
Known Problems	5-1
"Do Not Rollback During Undo" Setting is Not Being Contributed.....	5-2
OSM Solution Sometimes Fails to Build Due to SocketTimeout Exception	5-2
Design Studio Cartridge Migration	5-2

Preface

This document provides release notes for Oracle Communications Design Studio Platform and all Design Studio features. Each chapter describes, if applicable for this release, Design Studio new features, fixes, and known problems.

Audience

This document is intended for designers, developers, testers, and administrators responsible for modeling and managing Oracle Communications products in Design Studio.

Related Documents

For more information, see the following documents in the Oracle Communications Design Studio documentation set:

- *Design Studio Installation Guide*: Describes the requirements and procedures for installing Design Studio.
- *Design Studio System Administrator's Guide*: Describes information about administering Oracle Communications Design Studio. This guide includes information about configuring deployment settings for test environments, backing up and restoring Design Studio data, and automating builds.
- *Design Studio Concepts*: Explains how to use Design Studio to manage and configure data for use across Oracle Communications service fulfillment products. This guide provides a conceptual understanding of Design Studio.
- *Design Studio Developer's Guide*: Provides common solution development guidelines and best practices for cartridge design and development. The recommendations included in this guide apply to all the solutions that leverage one or more of the supported Oracle Communications applications.
- *Design Studio Security Guide*: Provides an overview of security considerations, information about performing a secure installation, and information about implementing security measures in Design Studio.
- *Design Studio Help*: Provides step-by-step instructions for tasks you perform in Design Studio.

Documentation Accessibility

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

Access to Oracle Support

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

Document Revision History

The following table lists the revision history for this book.

Version	Date	Description
E75699-01	July 2016	Initial release.

Design Studio Platform

This chapter provides release notes for Oracle Communications Design Studio Platform.

- [New Features](#)
- [Fixes in This Release](#)
- [Known Problems](#)

New Features

This section includes information about new features introduced in release 7.3.4.

Controlling Project Visibility in a Workspace

Design Studio solutions can contain large numbers of productized, sealed, and application-specific projects that are not directly related to your work. You control which projects appear in the Studio Projects view by creating and applying a filter, called a working set. The projects that a working set filters out exist in the workspace and remain open but do not appear in the Studio Projects view. For example, you can facilitate design modeling and workspace navigation by creating a working set that displays only those projects related to your present design work. The working set can filter projects based on the project type and based on tags that you associate with a project.

In Design Studio 7.3.4, this feature is expanded to enable you to use custom tags in working sets. Additionally, you can now use and configure working sets from the Solution view. Finally, you can export working sets to an **.xml** file and share them among different workspaces.

See Design Studio Help for more information about controlling which projects appear in your workspace.

Design Studio Model Java API Enhancement

Design Studio 7.3.4 includes a new method in the `ModelLocator` class called the `getReferencedBy` method.

You can use the `getReferencedBy` method to find a set of entities that are associated with another entity. For example, you can find all technical actions associated with a specific resource facing service.

See *Design Studio Developer's Guide* for more information about using the Design Studio Model Java API.

Conceptual Model Provider Function Enhancement

In Design Studio 7.3.4, the definition of a provider function controls the design-time behavior of conceptual model components. For example, you can add a Resource as an output type to the Design and Assign provider function, and subsequently add Resource as a component of an associated Customer Facing Service entity.

See *Design Studio Concepts* for more information about conceptual models.

Adding Images to Design Patterns

In Design Studio 7.3.4, you can insert images into a design pattern Introduction page. You can insert images by defining an **img** attribute with applicable child attributes or by inserting a CDATA section.

See the *Design Studio Developer's Guide* for more information about design patterns.

Support for Importing Inventory Entities

Design Studio enables you to use the published API information included in the Exchange Format to import Inventory entities from a different application. In addition to importing Service specifications, Service Configuration specifications, and Logical Device specifications, Design Studio 7.3.4 enables you to import Custom Object specifications, Ruleset extension points, and Rulesets from external Inventory systems into Design Studio. After import, Design Studio creates an Inventory project and adds these specifications to that project.

See *Design Studio Developer's Guide* for more information.

Leveraging Logic from Existing Design Patterns

Design Studio 7.3.4 enables you to create a design pattern that leverages the logic of existing design patterns and combines that logic with its own configuration. The ability to share logic among design patterns enables you to define common logic in a single design pattern and leverage that logic, as required. When users run the composite design pattern, the design pattern presents all of the fields, pages, and custom logic defined in all of the leveraged design patterns.

See *Design Studio Developer's Guide* for more information.

Conceptual Model Service Action Enhancements

In Design Studio 7.3.4, a new **Data Map** tab on the Service Action editor enables you to map service action data elements to action codes and enables you to specify whether a data element is required input to an action or required as output from an action.

Additionally, you can now define default parameters on a functional area that are automatically added to an associated service action when the action is created. Also, in Design Studio 7.3.4, data elements defined for a customer facing service are automatically inherited by the service action.

See Design Studio Help for more information about the **Data Map** tab and see *Design Studio Concepts* for more information about service actions.

Upgrading the OracleComms_Model_Base Project

In release 7.3.4, if you upgrade a workspace that includes the **OracleComms_Model_Base** project, Design Studio makes the following changes to the project:

- Adds the following data elements with to the **Service** functional area: **Subject_ID**, **Customer_ID**, **Commercial_ID**, and **ServiceAddress**.
- Tags these data elements with the **Implicit Parameter** tag.
- Adds the **Persisted** tag to all Customer Facing Service, Resource Facing Service, Resource, and Location entities.

Location and Resource Realization Design Pattern Enhancements

Design Studio 7.3.4 includes enhancements to the Default Location and to the Default Resource design patterns. These enhancements enable you to select a broader range of Inventory entities when realizing conceptual model Location entities and conceptual model Resource entities.

See *Design Studio Concepts* for more information about working with conceptual models. See *Design Studio Developer's Guide* for more information about design patterns.

Fixes in This Release

[Table 1–1](#) lists the Design Studio Platform release 7.3.4 fixes and provides a brief description of the resolution.

Table 1–1 Fixes in Design Studio Release 7.3.4 Platform

Service Request (SR) Number	BugDB Number	Description
n/a	23556236	Validations have been added to ensure that, when realizing conceptual model entities for Inventory, structured data elements and child data elements all reference a base element.
n/a	23479822	You can now remove the default value of an enumeration on the Enumeration tab.
n/a	23099176	Design Studio no longer becomes unresponsive when clicking entities in the Structure view.
n/a	23096242	The timeout property no longer appears in the Cartridge Management Tool build.properties file. Also, the documentation has been improved in the build.properties file.
n/a	22988039	Build performance has been optimized to improve build times.
n/a	21952263	All dependencies are resolved when executing the Synchronize All command.

Known Problems

This section describes existing software problems and any workarounds recommended to avoid the problems or reduce effects:

- [Working Set Becomes Inactive](#)

Working Set Becomes Inactive

BugDB: 23722057

The working set, **Exclude Base Projects**, which is delivered with Design Studio and active when you install Design Studio, may become inactive when:

- You select **Select Working Set** from the Studio Projects **View** menu or from the Solution **View** menu, and then click **OK**.
- You select **Select Working Set** from the Studio Projects **View** menu or from the Solution **View** menu, and then select **Edit Working Set**, and then cancel out of the dialog boxes.

To work around this problem, re-enable the **Exclude Base Projects** working set.

Design Studio for ASAP

This chapter provides release notes for Oracle Communications Design Studio for ASAP release 7.3.4.

Known Problems

This section describes existing software problems and any workarounds recommended to avoid the problems or reduce effects:

- [The NEP Map Fails To Connect and Deploy](#)
- [Design Studio 7.x Activation Test Cases Fails Over VPN and Non-VPN Mode](#)
- [Design Studio 7.3.4 Cartridge Fails to Deploy in ASAP 7.2.0 and 7.3.0](#)

The NEP Map Fails To Connect and Deploy

BugDB: 22960169

In some cases, connecting to WebLogic Server using the NEP Map editor fails. In addition, in some cases, the NEP Map editor deployment option seems to succeed in Design Studio, but fails on ASAP.

To work around this issue, do the following:

In cases where the NEP Map connection fails, verify that the network elements used in the **Network Element Processor Map** area are not defined in a dependent cartridge that is closed. If any are closed, open the closed cartridge and try the connection again.

If the NEP deployment option fails intermittently, verify that the cartridges are being compiled and built. If the cartridge is only being compiled, then the mapped NE does not get generated within the cartridge output folders (**cartridgeBin**/**cartridgeBuild**). Ensure that the META-INF/**activation-model.xml** file is generated, or do a full clean-build to regenerate the content.

Design Studio 7.x Activation Test Cases Fails Over VPN and Non-VPN Mode

BugDB: 21694483

Running Activation test cases using Design Studio 7.x on ASAP 7.x versions fail intermittently when over VPN or Non-VPN.

To work around this issue, add the following line to the **eclipse.ini** file:

```
-Dweblogic.corba.client.bidir=true
```

Design Studio 7.3.4 Cartridge Fails to Deploy in ASAP 7.2.0 and 7.3.0

BugDB: 23751363

Design Studio 7.3.4 cartridges fail to deploy if the cartridges have two similar CSDL or ASDL names. The difference between the two names is only an underscore (_) and a dash (-). For example:

- C_V-T_1-0_ADD_LINE-NUMBER
- C_V-T_1-0_ADD_LINE_NUMBER

To work around this issue, ensure that you do not define two similar CSDL or ASDL names for a cartridge, where the difference between the names is only an underscore (_) and a dash (-).

Design Studio for Inventory

This chapter provides release notes for Oracle Communications Design Studio for Inventory release 7.3.4.

New Entities Available for Realization by Design Patterns

To better support Carrier Ethernet functionality in UIM, you can now realize the following conceptual model entities:

- Property Location
- Flow Interface (as a resource-facing service)
- Flow Interface (as a resource)
- Network (as a resource-facing service)
- Network (as a resource)
- Connectivity (as a resource-facing service)
- Connectivity (as a resource)

See *Design Studio Concepts* for more information about conceptual models.

Known Problems

This section describes existing software problems and any workarounds recommended to avoid the problems or reduce effects:

- [Resource Specifications Not Treated as New by the Realization Design Pattern](#)

Resource Specifications Not Treated as New by the Realization Design Pattern

BugDB: 23499468

If you delete a resource from the workspace and then create another resource of the same type with the same name, the realization design pattern does not treat the resource as new. The new resource is treated as an existing resource. As a result, the **Run Realization Design Pattern** command does not work, but the **Synchronize** command does.

To work around this problem, create the new resource with a different name and do the realization by using the **Run Realization Design Pattern** command.

Design Studio for Network Integrity

Oracle Communications Design Studio for Network Integrity release 7.3.4 includes several general quality improvements delivered in this release.

Design Studio for Order and Service Management

This chapter provides release notes for Oracle Communications Design Studio for Order and Service Management (OSM) release 7.3.4.

- [Fixes in This Release](#)
- [Known Problems](#)
- [Design Studio Cartridge Migration](#)

Fixes in This Release

[Table 5–1](#) lists the Design Studio for OSM fixes and provides a brief description of the resolution in Design Studio for OSM 7.3.4.

Table 5–1 *Fixes in Design Studio for Order and Service Management Release 7.3.4*

Service Request (SR) Number	BugDB Number	Description
N/A	23578512	When there are many parameters in the Mapping Rule editor, the mapping control was not providing scroll bars, preventing some parameters from being mapped. This has been fixed: support for scroll bars has been added to the Named Relationship mapping area in the Mapping Rule editor.
3-12449599371	23071376	If you selected the URI option for the Key Expression field for a rule in the Order Fulfillment State Composition Rule Set, cartridge deployment was failing. This has been fixed: the build files are now being generated correctly.
3-11744156811	22336538	Users were receiving the following build error when they selected a fallout execution mode for a sender plug in for a task: "Invalid text ' <i>execution_mode</i> ' in element: ' <i>executionModes</i> ' ". This has been fixed: the automationmap.xsd file is now being validated during the build process.

Known Problems

This section describes existing software problems and any workarounds recommended to avoid the problems or reduce effects:

- ["Do Not Rollback During Undo" Setting is Not Being Contributed](#)
- [OSM Solution Sometimes Fails to Build Due to SocketTimeOut Exception](#)

"Do Not Rollback During Undo" Setting is Not Being Contributed

BugDB: 22203278

In solutions where the order template is contributed from order components, the data element's "Do not rollback during undo" property is not inherited by the order template.

To work around this issue, manually set the value of the data element's "Do not rollback during undo" property on the order template.

OSM Solution Sometimes Fails to Build Due to SocketTimeout Exception

BugDB: 22691246

OSM Solution Automation build fails periodically due to a SocketTimeout exception.

To work around this issue, increase the value of **Separate JRE timeout** setting to 40000.

To increase the value of the **Separate JRE timeout** setting:

1. In Design Studio, from the **Window** menu, select **Preferences**.
2. In the Preferences navigation tree, select **Ant**.
3. In the **Separate JRE timeout (ms)** field, enter **40000**.
4. Click **OK**.

Design Studio Cartridge Migration

If you upgrade to Order and Service Management 7.x from a prior version of OSM and your cartridges were developed with OSM Administrator tool, Oracle recommends that you migrate your cartridges into Oracle Communications Design Studio. Use Design Studio as the tool to design and deploy OSM 7.x cartridges. The recommended migration procedure, common migration issues, and issue resolutions are documented in release 7.3.2 *Design Studio Order and Service Management Cartridge Migration Guide*, which is available at the Oracle Help Center:

<http://docs.oracle.com/en/industries/communications/design-studio/index.html>

Note: If your cartridges do not require ongoing modification, you can export them from the current version (pre-7.x) and import them into OSM 7.x using the XML Import/Export tool without using Design Studio. However, Oracle recommends that you migrate all cartridges to Design Studio, unless they do not need any modification or re-deployment.
