

Oracle® Communications Service Catalog and Design

Release Notes



Release 8.2
G18851-01
March 2025

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Communications Service Catalog and Design Release Notes, Release 8.2

G18851-01

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Preface

This document provides release notes for Oracle Communications Service Catalog and Design. Each chapter describes, if applicable for this release, Service Catalog and Design's new features, fixes, and known problems.

Oracle recommends that you install the latest version of Service Catalog and Design to ensure the highest level of compatibility across the application releases and to take advantage of the improvements that have been introduced for the design time experience and application functionality.

Audience

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

Documentation Accessibility

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

1

Service Catalog and Design

Oracle Communications Service Catalog and Design provides a unified environment for designing, testing, and deploying integrated multi-application OSS solutions. It simplifies the management and maintenance of services and networks by centralizing service, resource, and network specifications and configurations.

Service Catalog and Design comprises the following components Solution Designer and Design Studio. For more information on Solution Designer and its capabilities, see *Solution Designer User's Guide*. For more information on Design Studio and its capabilities, see *Concepts guide*.

This document provides the release notes for Oracle Communications Service Catalog and Design release 8.2.

- [New Features in 8.2](#)
- [Known Problems and Limitations](#)

New Features in 8.2

This section includes information about new features introduced in release 8.2.

- [Support for New Product Introduction](#)
- [Support for TMF 620 Product Catalog Management Open API](#)
- [Specification Enrichment for Inventory](#)
- [Ability to Relate Specifications](#)
- [Data Elements Application Renamed to Administration Application](#)
- [Design Studio Upgraded to Eclipse 2024-09](#)

Support for New Product Introduction

This section includes information about new features introduced for supporting new product introduction.

- [Manage Product Specifications](#)
- [Configure Product Specifications to CFS Relationships](#)
- [Mapping Product Parameters with CFS Parameters](#)

Manage Product Specifications

Solution Designer now supports managing product specifications. A new application named **Product Specifications** is added which allows you to:

- Create Product Specifications
- Update Product Specifications
- View Product Specifications

- Delete Product Specifications
- Revise Product Specifications
- Clone Product Specifications

See "Managing Product Specifications" in *Solution Designer User's Guide* for detailed information on product specifications.

Configure Product Specifications to CFS Relationships

You can now configure the product specifications to the Customer Facing Services (CFS). You can make any of the CFS as **Primary** in the configuration canvas. See "Configuring Product Relationships" in *Solution Designer User's Guide* for detailed information

Mapping Product Parameters with CFS Parameters

You can now map the commercial parameters of the product specification to the design parameters of the related CFS specification. You can map the parameters manually, automatically, or through both the methods. You can also map the unit of measure and the value map using the converters that are set up in the **Administration** application.

Converters are used to define the conversion that is used when transforming commercial parameters to the design parameters between the product specifications and CFSs. There are two types of converters, **Measurement** and **ValueMap**.

See "Mapping Commercial Parameters" in *Solution Designer User's Guide* for detailed information on mapping product parameters. Also see "Managing Converters" in *Solution Designer User's Guide* for detailed information on managing converters.

Support for TMF 620 Product Catalog Management Open API

Solution Designer introduces the REST API to support TMF 620 Product Catalog Management Open API. See *REST API for Service Catalog and Design* for more information on REST APIs.

Specification Enrichment for Inventory

In this release, Solution Designer allows you to manage:

- Party specification
- Inventory Group specification
- Role specification
- Involvement specification

See "Managing Infrastructure Specifications" in *Solution Designer User's Guide* for detailed information on managing the specifications.

Ability to Relate Specifications

You can now relate a specification to another specification or change relationship properties by using **Related Specifications** tab. The **Related Specifications** tab is divided into subtabs where you can define relationships to different entity types. Only the entity types listed in the subtab have meaningful relationships by default in UIM. The **Others** subtab enables you to relate other specifications, but these relationships require rulesets to trigger behaviors and actions in UIM.

The **Related Specifications** tab is available only for the Resource specifications of type:

- Logical Device
- Logical Device Account
- Custom Object
- Device Interface

See "Relating Specifications" in *Solution Designer User's Guide* for detailed information on relating specifications.

Data Elements Application Renamed to Administration Application

In this release, the **Data Elements** application is renamed to the **Administration** application. In the **Administration** application, you can manage data elements and converters. See "Managing Data Elements and Converters" in *Solution Designer User's Guide* for detailed information on the **Administration** application.

Design Studio Upgraded to Eclipse 2024-09

The Design Studio component of Service Catalog and Design is upgraded from Oracle Enterprise Pack for Eclipse 12.2.1.9 to Eclipse 2024-09. See *Design Studio Installation Guide* for detailed information on installing Eclipse 2024-09. Also see *Compatibility Matrix* for information on supported software for Design Studio.

Known Problems and Limitations

This section describes the existing software and documentation problems, any solutions or workarounds recommended to avoid the problems or reduce effects, and the limitations in the software for the release 8.2:

- [Service Action Parameters Not Generated by Default](#)
- [Automatic Creation of Resources Using Advanced Policies](#)
- [Domain Names Cannot Have Single Character](#)
- [Use Calendar Control Type for Date and Time](#)
- [Return No Numeric Value for Query Based Drop-down Elements](#)
- [Intermittent Error While Importing Workspace in Design Studio](#)
- [Network Integrity Actions and Processors Not Visible in Studio Projects View](#)
- [Design Studio is Unresponsive When Reopening all the Cartridges](#)
- [Resource Selection Policies with Numeric Characteristics](#)

 **Note:**

For the list of fixed issues, known problems and limitations in 8.2.0.x (x>=1) patch releases, see the corresponding patch Readme document.

Service Action Parameters Not Generated by Default

Problem: The four data elements **Subject ID**, **Customer ID**, **Commercial ID**, and **Service Address** are not generated in the cartridge generated by the DevOps engine. When you do not have these data elements as design parameters, these are not added in the service action parameters to the cartridge by default.

Solution: Four data elements **Subject ID**, **Customer ID**, **Commercial ID**, and **Service Address** are preloaded in the **Administration** application in Solution Designer. You must configure these four data elements as design parameters in those specifications for which you want to generate service action parameters by the DevOps engine. When you publish the initiative that contains these specifications, the DevOps engine adds the service action parameters in the cartridges.

Automatic Creation of Resources Using Advanced Policies

Problem: When you define a standard policy for creating a resource, Solution Designer creates the resource automatically only for Logical Device specification and Logical Device Account specification. Solution Designer does not create the resource automatically for all the other specifications.

Solution: For all the other specifications, you can define an advanced policy for creating a resource and write the implementation code in the extended designer class for creating a resource.

Domain Names Cannot Have Single Character

Limitation: In Solution Designer, domain names must have more than one character and cannot have a single character.

Use Calendar Control Type for Date and Time

Problem: In the Data Elements page, when you use **Text Field** as **Control Type** for **Time**, and **Date and Time** data types, UIM run-time user interface displays those fields as plain text fields and does not provide the calendar icon and format.

Workaround: In the Data Elements page, select **Calendar** as the **Control Type** for **Time**, and **Date and Time** data types.

Return No Numeric Value for Query Based Drop-down Elements

Problem: In **Data Elements** with **Dropdown** as **Control Type**, **Query based** as **Data values**, when the **SQL** or **JPQL** query that you write returns a numeric value, UIM run-time user interface displays *Invalid Query* error message.

Workaround: When you write the **SQL** or the **JPQL** query for query based drop-down data elements, ensure that it returns only a string value.

Intermittent Error While Importing Workspace in Design Studio

Problem: When you import Design Studio workspace into Design Studio and have multiplicity configured for nested Feature Group data elements in that workspace, you may receive *Maximum multiplicity conflict error* in Design Studio.

Solution: You may need to close the Design Studio environment and reopen it.

Network Integrity Actions and Processors Not Visible in Studio Projects View

Problem: In Design Studio for Network Integrity, when importing Network Integrity projects into a Design Studio workspace by specifying the root folder, the actions and processors are not visible in the **Studio Projects** view. However, it is visible in the **Package Explorer** view in the model folder of the project.

Workaround: You may need to close the projects in Design Studio and reopen them.

Design Studio is Unresponsive When Reopening all the Cartridges

Problem: In Design Studio for OSM, reopening all the cartridges at once makes Design Studio unresponsive after following the steps:

1. Import OSM TMF cartridges.
2. Upgrade all the projects and build the cartridges.
3. Close all the cartridges and restart Design Studio.
4. After Design Studio starts, reopen all the cartridges at once. Design Studio becomes unresponsive.

Workaround: The workaround for the stated problem is as follows:

- Reopen only the necessary cartridges one by one instead of reopening all the cartridges at once.
- You can also delete the closed cartridges from Design Studio without deleting the content and reimport them into Design Studio.

Resource Selection Policies with Numeric Characteristics

Limitation: When you create a design policy for a resource specification of type as **Standard policy**, **Standard policy type** as **Resource selection**, with a condition having a numeric characteristics and operator other than **Is equal to**, the appropriate resource specification may not be associated in UIM especially with operations such as **Is more than** or **Is less than**.

UIM stores all the characteristics as **Text** so the numeric characteristics are converted to **Text**. When the condition is run for the resource selection policy, the condition is not satisfied due to the comparison of text values as the condition query constructed is also text based instead of numeric values. For example, the numeric comparison of 10 **Is more than** 5 is true whereas the string comparison of 10 **Is more than** 5 is false. Therefore, when a service order is requested, the expected resource specification may not be associated based on the resource selection policy.

2

Design Studio Platform

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

- [Known Problems](#)

Known Problems

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

- [Discrepancies in the Technical Action Generation Design Pattern](#)

Discrepancies in the Technical Action Generation Design Pattern

BugDB: 29917205

Problem: Technical Action Generation design pattern may not work in an end to end scenario because of naming and action codes discrepancies.

Workaround: While using the Technical Action Generation Design Pattern to generate Technical Action definitions from existing CSDLs, the name of the Technical Action should be set with an appropriate name. In addition, remove the Specialized action codes that are not needed from the **Action Codes** tab and mappings configured for the elements in the technical action **Data Map** for the Specialized action codes.

3

Design Studio for ASAP

This chapter provides release notes for Design Studio for ASAP.

- [Known Problems](#)

Known Problems

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

- [Activation Test Case Hangs and Fails for Design Studio in Systems with Multiple Interfaces or IP Addresses](#)
- [NEP Deployment Fails Intermittently](#)

Activation Test Case Hangs and Fails for Design Studio in Systems with Multiple Interfaces or IP Addresses

BugDB: 21694483

Problem: The provisioning of Activation test cases hangs and fails (with or without VPN), if the system hosting Design Studio is configured with more than one Network Interface or IP address, or if the Hostname of the system maps to a network address that the WebLogic server cannot contact.

Workaround: Add the following to the **eclipse.ini** file: **"-Dweblogic.corba.client.bidir=true"**

NEP Deployment Fails Intermittently

BugDB: 22960169

Problem: Unable to establish a connection to Oracle WebLogic Server through the NEP map option (NEP deployment fails intermittently).

Workaround: Perform the following:

- Ensure that the base cartridge project (the source project which contains the NEs) is in an open state.
- Ensure that the **META-INF/activation-model.xml** file has been generated. Otherwise, perform a full clean and build to regenerate the **activation-model.xml** file.

NEP deployment fails intermittently if the **activation-model.xml** file corresponding to the mapped NE has not been generated and saved to the **cartridgeBin/cartridgeBuild** location.

4

Design Studio for Inventory

Design Studio for Unified Inventory Management (UIM) release includes general quality improvements.

5

Design Studio for Network Integrity

Design Studio for Network Integrity release includes general quality improvements.

6

Design Studio for Order and Service Management

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

- [Known Problems](#)

Known Problems

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

- [Order Template Doesn't Inherit "Do Not Rollback" Setting](#)
- [OSM Solution Sometimes Fails to Build Due to SocketTimeout Exception](#)
- [Composite Cartridge Behavior Details are Inconsistent in Task Level](#)
- [Composite Data View is Inconsistent Behavior on Task and Order Level](#)
- [Order Level Data Instance Behavior Configuration is Not Getting Refreshed in Task](#)
- [Behavior Defined for Node Should Not be Editable in Task Editor Composite Data](#)

Order Template Doesn't Inherit "Do Not Rollback" Setting

BugDB: 22203278

Problem: When you set **Do not rollback during undo** in a component's order template, the main order template does not inherit the setting.

Workaround: Manually set the value for **Do not rollback during undo** in the order template.

OSM Solution Sometimes Fails to Build Due to SocketTimeout Exception

BugDB: 22691246

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

Workaround: Increase the value of **Separate JRE timeout** setting to **40000**.

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

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

Composite Cartridge Behavior Details are Inconsistent in Task Level

BugDB: 28518246

Problem: Behaviors that are inherited from the Composite Cartridge view are not accurately loaded at the Composite Data view window of a manual or an automated task. There is no functional loss because of this issue, but you cannot see accurate data in this behavior.

Workaround: You can go to the Composite Cartridge view to view the accurate behavior data.

Composite Data View is Inconsistent Behavior on Task and Order Level

BugDB: 28526024

Problem: The Behavior window is greyed out at Task level, but at Order level it is not greyed out. Even though the Behavior window is not greyed out at Order level, the system does not allow you to add any behaviors. Therefore, this does not affect any functionality.

Order Level Data Instance Behavior Configuration is Not Getting Refreshed in Task

BugDB: 28531244

Problem: Task level data behaviors are not getting refreshed.

Workaround: Close the tasks for which behaviors are not refreshed and then reopen them.

Behavior Defined for Node Should Not be Editable in Task Editor Composite Data

BugDB: 28712854

Problem: The Composite Data View tab allows you to modify a behavior that is added in task data editor. The Composite Data View tab only shows behavior details (without populating Node element details) which are added in task data editor.

In general, you can manipulate behavior data in the Task Data window at the Task level. But, because of this issue, you can also modify behaviors from the Composite Data view. There is no functional loss in modifying data at the Composite Data view level. Data is stored accurately even after modifying behaviors at the Composite Data view level.