

Oracle® Communications Service Catalog and Design

Release Notes



Release 8.0
F78564-02
November 2023

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

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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

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.

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. It enables you to define TM Forum (TMF) aligned PSR models to define customer and network services. The intuitive and user-friendly interface enables all types of users to build end-to-end solutions easily. The primary focus of Service Catalog and Design is to have a no code and low code design environment for configuration of the orchestration, inventory and assurance solutions and individual applications. Service Catalog and Design requires no application expertise, so you can rapidly define services and technical building blocks without extensive application training. Also, it simplifies solution evolution by enabling you to update the solution design and to release updates that meet the evolving service requirements.

Service Catalog and Design comprises the following components:

- **Solution Designer:** Solution Designer runs as a cloud native application in a containerized and orchestrated deployment architecture. It is a unified environment for designing, configuring, and deploying a service where all the components, specifications, and configurations are consolidated. It provides modern journey and persona driven user experience for defining service and resource catalog for business solutions. For more information on Solution Designer and its capabilities, see *Solution Designer User's Guide*.
- **Design Studio:** Design Studio is an integrated GUI tool based on the Eclipse IDE. This enables designers and developers to use the fully-featured Java IDE capabilities to further enhance, extend or integrate the solution business logic. This design-time environment enables you to build and configure Oracle service fulfillment and network and resource management solutions. For more information on Design Studio and its capabilities, see *Concepts guide*.

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:

- [Entity IDs Containing hyphens](#)
- [Service Action Parameters Not Generated by Default](#)
- [Cannot Map Feature Group Characteristics in Delivery Parameter](#)
- [Automatic Creation of Resources Using Advanced Policies](#)
- [Third Party Library Not Supported in Advanced Policy](#)
- [Domain Names Cannot Have Single Character](#)
- [No Validation When Removing Associated Service Domains from Technology Domains](#)
- [Use Only Mouse in Drawers from Configuration Canvas](#)

Entity IDs Containing hyphens

Problem: When you create any of the entities using TMF APIs, ensure that the ID does not contain hyphen or period. When you publish an initiative to the test workspace, the publish operation generates non-compileable java class name in the UIM project when any of the entities in the initiative has a hyphen or period in its IDs.

Solution: When you create entities using TMF APIs, you must not use hyphen or period in the entity IDs. The entities include service model, technology model, customer facing service, resource facing service, resources, and domains.

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 **Data Elements** 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.

Cannot Map Feature Group Characteristics in Delivery Parameter

Problem: When defining the delivery parameters for a specification, you cannot map the entity characteristics from the parent specification of type Feature group to the delivery parameter. You cannot select the feature group characteristic in the **Source Characteristic** field in the **Characteristic Mapping** section in the **New delivery parameter** drawer in the **Specifications** application.

Workaround: You can map the individual data elements of the feature group to the delivery parameter instead of mapping the feature group itself. You may need to create as many delivery parameters as the data elements in the feature group.

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. 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 other than logical device specification.

Third Party Library Not Supported in Advanced Policy

Problem: When you define an advanced policy in the extended designer class, third party libraries are not supported.

Solution: When you write the implementation code in extended designer class, do not load the third party libraries. The DevOps engine has the supported libraries to generate the cartridges.

Domain Names Cannot Have Single Character

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

No Validation When Removing Associated Service Domains from Technology Domains

Limitation: When you remove **Associated Service Domains** from technology domains, Solution Designer allows you to remove the associated service domains which may result in invalid PSR model configuration. There is no appropriate validation that disallows the removal.

You must ensure that removing an association maintains the model integrity by checking **Used by** tab in the technology and service domains.

Use Only Mouse in Drawers from Configuration Canvas

Limitation: In the PSR model or specification configuration, when you click + symbol using the mouse or by pressing F2 key using the keyboard, you must use the mouse to navigate within the **New component** drawer or the *specifications* drawer that it opens. The *specifications* include resource facing services, resources, and locations. The + symbol appears in the canvas, component, or specification.

You must use only the mouse in the following scenarios:

- Select **+ New component** in the **New component** drawer.
- Select an existing specification or create a new specification in the *specifications* drawer.

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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.

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

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Design Studio for Inventory

This chapter provides release notes for Design Studio for Unified Inventory Management (UIM).

- [Known Problems](#)

Known Problems

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

- [Sensitive Option on Details Tab Not Working](#)

Sensitive Option on Details Tab Not Working

Bug DB: 31486882

Problem: If you select **Sensitive** on the **Details** tab in Design Studio to create password-like behavior for a characteristic, the corresponding field in UIM isn't protected as expected.

Workaround: Select **Sensitive** on the **Settings** tab instead of the **Details** tab. The **Settings** tab version of **Sensitive** works correctly. Note that *Modeling Basics* and Design Studio Help incorrectly label this as **Secret**.

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Design Studio for Network Integrity

Design Studio for Network Integrity release includes general quality improvements.

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Design Studio for Order and Service Management

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

- [Known Problems](#)
- [Design Studio Cartridge Migration](#)

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.

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 *Design Studio Order and Service Management Cartridge Migration Guide* for release 7.3.2, which is available on 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.