

Oracle® Communications Unified Inventory Management

Release Notes

Release 7.6

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Release Notes

This document provides information about Oracle Communications Unified Inventory Management (UIM) Release 7.6. The document includes information about the following topics:

- [Software Compatibility](#)
- [UIM Software Development Kit](#)
- [UIM 7.6 Features](#)
- [Fixed and Known Issues](#)
- [Deprecated and Removed Features](#)

Software Compatibility

See *UIM Compatibility Matrix* for a full list of software requirements.

UIM Software Development Kit

You must use the Software Development Kit (SDK) delivered with UIM 7.6.

UIM 7.6 Features

This release includes the following features and enhancements:

- [Enhancements in UIM](#)
- [Enhancements in Unified Inventory and Topology and UIM Cloud Native Deployments](#)
- [Enhancements in UTIA](#)
- [Tech Stack Updates](#)

Enhancements in UIM

This release includes the following enhancements in UIM:

- [Enhancements in Equipment Visualization](#)
- [Enhancements in UIM REST APIs](#)
- [Support for Custom RDS](#)
- [Enhancements in Equipment Tree View Visualization](#)
- [Support to Partition IPV4 Subnet in Assigned State](#)
- [Support to Assign Public IPV4 Ranges to Private IP Address Domains](#)
- [Conditional Dropdown in Property Location](#)
- [Support to Create Shelf and Associate Sub Holders to Shelf](#)
- [Support to Bulk Unassign Services for Devices](#)
- [Support to View Assigned Services of a IPV4 or IPV6 Subnet from the Consumers Tab](#)

Enhancements in Equipment Visualization

In the Equipment visualization, you can now view additional details of a selected entity such as consumed and free slots, free ports, card name, number of ports, and so on.

See *UIM Online Help* for more information.

Enhancements in UIM REST APIs

UIM 7.6.0 includes the following enhancements in the Service Inventory Management and Resource Inventory Management APIs as follows:

- Service Inventory Management: **ServiceDate** is also supported as a filtering criteria.
- Resource Inventory Management: Updates in the Resource GET API Response HTTP status codes.

See *REST API for Unified Inventory Management* for more information on REST APIs.

Support for Custom RDS

UIM 7.6.0 supports Custom RDS over AWS.

Enhancements in Equipment Tree View Visualization

The Equipment Tree View Visualization page provides the following details now:

- Visualize the cards, subcards, and ports in the same visualization page.
- View the corresponding selected card or subcard in the Visualization page and view the corresponding details.
- Customize the Physical port colors and view them in the Visualization page.
- View the visualization for subcards from the Tree view using **Open Visual** option from **Actions** or from the Visualization page.

- View the slot availability status.
- View the slot label in the visualization and the instructions to understand the label are provided at the bottom of the Visualization page.

Support to Partition IPV4 Subnet in Assigned State

IPV4 subnet can be partitioned even when the subnet is in **Assigned** status. This can be achieved by setting **uim.ip.subnet.allowPartitionOnAssignedSubnet** to **true**.

See **Table 5-12** in *UIM System Administrator's Guide* for more information.

Support to Assign Public IPV4 Ranges to Private IP Address Domains

You can assign public IPV4 ranges to private IP address domains. This can be achieved by setting **uim.ip.network.allowPublicIPRangeInPrivateDomain** to **true**.

See **Table 5-12** in *UIM System Administrator's Guide* for more information.

Conditional Dropdown in Property Location

UIM 7.6.0 supports the conditional dropdown options in Property Location.

The order of conditional dropdown values are as follows:

1. Country
2. Region
3. State
4. Cluster
5. District
6. Town

Support to Create Shelf and Associate Sub Holders to Shelf

UIM 7.6.0 supports you to create a shelf using the **EquipmentManager.addEquipmentToEquipmentHolders_createShelfCase** extension point. Creating a shelf auto creates a holder and adds the cards as designed.

You can add an equipment to an existing holder using the **EquipmentManager_addEquipmentToEquipmentHolders** extension point.

You can create sub holders using the **CREATE_SUBHOLDERS_BASED_ON_SHELF_TYPE** ruleset.

Support to Bulk Unassign Services for Devices

You can now unassign services by selecting multiple references under the **Consumers** tab of Pipe, Logical Device, or LDA. You use **Unassign** button to unassign these references.

See *UIM Online Help* for more information.

Support to View Assigned Services of a IPV4 or IPV6 Subnet from the Consumers Tab

From the **References** section of the **Consumers** tab for IPV4 Subnet or IPV6 Subnet, you can view the list of all consumers referenced such as Place, Network, Logical Device, and LDA. You click on the hyperlink of a service to view the corresponding details. You click the back button to come back to the **Consumers** tab.

See *UIM Online Help* for more details.

Enhancements in Unified Inventory and Topology and UIM Cloud Native Deployments

This release includes the following enhancements in Unified Inventory and Topology and UIM cloud native deployments:

- [Support to Deploy UTIA with Restricted Internet Access](#)
- [Support for Generic Ingress Controller in UIM and UTIA](#)
- [Support for Customizing Subdomain Separator using Wildcard SSL Certificates](#)
- [Uptake WLSKO Domain Version from v8 to v9](#)
- [Enhancements in Unified Message Bus Architecture](#)
- [Support to Use any SAML 2.0, OIDC, or OAuth 2.0 Compliant Identity Provider for SSO](#)

Support to Deploy UTIA with Restricted Internet Access

You can access UTIA in a restricted internet access environment. The latest version of UTIA supports this functionality. However, you may need to whitelist map URLs to view **GeoMaps** or **GeoTiles** within UTIA that is working with a restricted internet access.

See *Unified Inventory and Topology Deployment Guide* for more information.

Support for Generic Ingress Controller in UIM and UTIA

UIM 7.6.0 supports a generic ingress controller in UTIA and UIM Cloud Native environment. A sample for using the generic ingress controller is packaged with **UIM_CNTK** and **Common_CNTK**.

For UIM 7.6.0 or later, using Traefik as the generic ingress controller is optional.

See *UIM Cloud Native Deployment Guide* and *Unified Inventory and Topology Deployment Guide* for more information.

Support for Customizing Subdomain Separator using Wildcard SSL Certificates

UIM 7.6.0 supports customizing a subdomain separator using the wildcard SSL certificate. However, the domain or hostname must end with `<hostsuffix>` that is defined in `$COMMON_CNTK/samples/applications.yaml`.

To customize the subdomain separator, update `application.yaml` and `project.yaml` using `subDomainNameSeperator` parameter.

See *UIM Cloud Native Deployment Guide* and *Unified Inventory and Topology Deployment Guide* for more information.

Uptake WLSKO Domain Version from v8 to v9

UIM 7.6.0 includes the UIM Clusters that are upgraded from WebLogic Kubernetes Operator v8 to v9. To support this, the Helm charts are upgraded accordingly.

Enhancements in Unified Message Bus Architecture

The Kafka and Strimzi versions are upgraded in UIM 7.6.0 that in turn upgraded Unified Message Bus.

See *UIM Compatibility Matrix* for more information.

Support to Use any SAML 2.0, OIDC, or OAuth 2.0 Compliant Identity Provider for SSO

For enabling SSO configuration, you can now use any Identity Provider that supports SAML 2.0 and OIDC/OAuth 2.0 protocols.

See *UIM Installation Guide*, *UIM Cloud Native Deployment Guide*, and *Unified Inventory and Topology Deployment Guide* for more information.

Enhancements in UTIA

UTIA 1.1.0.0.0 includes the following enhancements:

- The topology legend displays the following:
 - Description of the nodes along with the corresponding specifications.
 - Default icons for the nodes.
 - List of custom icons.
 - List of custom colors.

Note:

Custom Icons and Custom Colors appear in the legend only if you set the **Advanced Settings**.

- Select any node or edge within the legend to highlight it in the topology graph.

- Access nodes of the subnetwork are displayed with a new icon.
- From the **Select Icons** option:
 - New custom icons are available.
 - Uploaded icons can be deleted
- For larger networks, under **Search and Filter Topology**, the nodes and edges are divided across pages. Similarly, for **Ring Search** in a larger network, the rings are divided across pages.

See *Unified Topology User's Guide* for more information.

Tech Stack Updates

UIM 7.6.0 includes Tech Stack updates.

See *UIM Compatibility Matrix* for more information.

Fixed and Known Issues

This section provides you with details on fixed and known issues.

Fixed Issues in UIM 7.6

[Table 1-1](#) lists and describes the fixed issues in UIM 7.6.

Table 1-1 Fixed Issues in 7.6

Bug Number	Issue	Resolution
36527566	Option to break the Mapped Devices details fetching loop in EquipmentSummary page.	Fixed the code to have a configurable parameter in system-config.properties to limit the maximum number of Equipment levels to avoid the unrecoverable stuck threads on the Equipment summary page. Default value of this property uim.ui.EquipHierarchyLevels is set to -1 . Which is same as the present behavior. In system-config file, add or uncomment the above property with maximum number of Equipment levels you need.
36312459	UIM Log <oracle.adf.model.collisions.cpx> <BEA-000000> <Data Control usage collision in .out file.	Fixed the code to prevent the messages.
36430261	REST API allows incorrect values for drop-down.	Fixed the code to allow only product specified values.

Deprecated and Removed Features

The use of Traefik for Ingress control and OAM for SSO are now optional.

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 customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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