Oracle® Communications Unified Inventory Management

Release Notes

Release 7.8

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Release Notes

This document provides information about Oracle Communications Unified Inventory Management (UIM) Release 7.8. The document includes information about the following topics:

- Software Compatibility
- UIM Software Development Kit
- UIM 7.8 Features
- Fixed and Known Issues
- Deprecated and Removed Features

Software Compatibility

See "UIM Software Compatibility" in *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 7.8.

UIM 7.8 Features

This release includes the following features and enhancements:

- Introducing Service Impact Analysis
- Enhancements in UIM
- Enhancements in Unified Inventory and Topology and UIM Cloud Native Deployments
- Enhancements in ATA
- REST API Support for Service Impact Analysis
- Tech Stack Updates

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Introducing Service Impact Analysis

UIM 7.8 release introduces a new user interface, Service Impact Analysis, for analyzing service impact events.

Service Impact Analysis helps you to analyze the impacted resources for alarm events that are in TMF642 alarm events specification.

It collects the service impact data from an assurance system and displays the data in the form of reports. It also enables you to assign ownership to specific individuals and helps you to track and analyze the impact lifecycle using an analysis process.

You can perform the following tasks using Service Impact Analysis:

- View the summary of the Alarm Events passed from the assurance system.
- Viewing the analysis of service impacts data.
- Viewing the list of recent events.
- Generate reports.
- Sort the list of events and list of reports.
- Use global search for filtering and searching the events and reports.
- Customizing the impact reports and exporting them to XLS for further analysis.
- Viewing the insights for events and reports.
- View impacted resources in ATA.

See "About SIA" in *Active Topology Automation and Service Impact Analysis User's Guide* for more information.

Enhancements in UIM

This release includes the following enhancements in UIM:

- Saved search at group-level:
    - You can select a user group while saving search. This enables all users within the selected group to use the saved search. See "Saving a Search" in *UIM Online Help* for more information.
    - A new ruleset **POPULATE_USER_GROUP** and a new base cartridge **ora_uim_savedsearch_grpupdate** are added in this release. These help in updating user group information for the existing saved searches. See *UIM Cartridge Guide* for more information.
- UIM UI Search page enhancements:
    - **Device Interface Search page**: You can view the associated physical ports for Device Interfaces in the Device Interface **Search Results** table.
    - **Physical Port Search page**: You can view Connectivity Identifier for Physical Ports even when the connectivity is terminated on Flow Interface of the corresponding Device Interface. You can view the list of Connectivity

Identifiers from the Physical Ports **Search Results** table. If there are multiple Connectivity Identifiers associated to a Physical Port, click on the required Connectivity Identifier to view the following details in **Connectivity Identifier List** table:

* **Device Interface**

* **Flow Interface**

* **Connectivity Identifier**

– **Connectivity Search page**: You can view **A End Port Name** and **Z End Port Name** for all connectivities that are terminated on Device Interface or Flow Interface in the Connectivity **Search Results** table.

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:

- Enhancements in Authorization
- Deploying Service Impact Analysis
- Including Service Impact Analysis in ATA Architecture
- Enhancements in Message Bus

Enhancements in Authorization

The Authorization service now supports the following roles and user groups for Service Impact Analysis:

- SIA Administrator
- SIA Advanced User
- SIA User

See "About Authentication" in *Unified Inventory and Topology Deployment Guide* for more information.

Deploying Service Impact Analysis

Service Impact Analysis enables you to view alarm events associated with UIM resources. You can deploy Service Impact Analysis in Cloud Native environments.

Deploying Service Impact Analysis is dependent on ATA deployment. You must deploy ATA and create an ATA instance before deploying Service Impact Analysis.

See "Deploying Service Impact Analysis" in *Unified Inventory and Topology Deployment Guide* for more information.

Including Service Impact Analysis in ATA Architecture

ATA architecture now includes Service Impact Analysis. See "ATA Architecture" for more information.

Enhancements in Message Bus

Message Bus includes the following enhancements:

- Replaced the Zookeeper with KRaft.
- Provided one-time migration script to upgrade to KRaft mode.
- Each Kubernetes namespace allows only one Message Bus deployment.
- Support to capture log in external file.
- Authentication and ingress support for Mirror Maker configuration.

Enhancements in ATA

Active Topology Automation (ATA) 1.3.0.0.0 includes the following enhancements:

- Support to View Alarms at Subnode Level in ATA
- Support to Associate Alarms on Subnode
- Support for Extensibility while Processing an Alarm

Support to View Alarms at Subnode Level in ATA

In ATA, you can view alarms at a subnode level. You can click on the alarm to view the corresponding details.

See *Active Topology Automation and Service Impact Analysis Guide* for more information.

Support to Associate Alarms on Subnode

The alarms can be associated at the subnode level. See "Configuring Alarm Consumer" in *Unified Inventory and Topology Deployment Guide* for more information.

Support for Extensibility while Processing an Alarm

An alarm association can be extended based on configurations. You can provide custom implementation to associate an alarm with subnode type.

See "Configuring Alarm Consumer" in *Unified Inventory and Topology Deployment Guide* for more information.

REST API Support for Service Impact Analysis

UIM 7.8 includes REST API support for Service Impact Analysis. See *REST API for Active Topology Automation and Service Impact Analysis* for more information.

Tech Stack Updates

UIM 7.8 includes Tech Stack updates.

See "Unified Inventory and Topology Microservices" in *UIM Compatibility Matrix* for more information.

Updates to Hardware Sizing Guidelines

UIM 7.8 includes updates in the hardware sizing guidelines for UIM and its associated application components. For more information, see "Unified Inventory Management System Requirements" in *UIM Installation Guide*.

Fixed and Known Issues

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

Fixed Issues in UIM 7.8

The following table lists and describes the fixed issues in UIM 7.8

Table 1-1   Fixed Issues in 7.8

Bug Number	Issue	Resolution
37682629	Search Filter in ATA topology shows no suggestions for few nodes or edges.	Navigate through the tree view to a specific node or edge and select it. Once a node or edge is selected, the node or edge appears on the topology graph.
37644100	No data found when manually searched for any node or edge in ATA.	Subnetwork nodes are displayed outside their respective subnetworks when a filter chip is applied. It works in Mozilla Firefox and Google Chrome.

Deprecated and Removed Features

Oracle recommends that you review the following information about deprecated features and functions before using the UIM 7.8 release:

Table 1-2   New Deprecations

Software/Tools	Description	Release Deprecated
AIX, HP-UX and Solaris Operating Systems	Oracle Communications Unified Inventory Management support on AIX, HP-UX and Solaris operating systems is being deprecated starting with this release. Certification for these Operating Systems will be removed in a future release.	7.8

Table 1-2   (Cont.) New Deprecations

Software/Tools	Description	Release Deprecated
Java 8	Oracle Communications Unified Inventory Management support on Java 8 is being deprecated starting with this release. Java 8 certification will be replaced with Java 21 certification in a future release.	7.8
Topology and Path Analysis	Oracle Communications Unified Inventory Management topology and path analysis are migrated to Oracle Communications Active Topology Automation (ATA). Customers who purchased these features can avail new features in ATA. These features will not be available within UIM in future releases and can instead be leveraged from ATA. ATA is available from release 7.5.1.2 and later.	7.8
Network Service Orchestration (NSO) Feature	Oracle Communications Network Service Orchestration (NSO) feature and the associated cartridge pack are being deprecated starting with this release. This feature will be removed from UIM in a future release.	7.8
UIM Cloud Native Toolkit	Oracle Communications Unified Inventory Management provides Cloud Native toolkit (UIM CNTK) to deploy UIM in Cloud Native environment. In future releases, this toolkit will be merged with Common toolkit, which will deploy UIM and other services available on Cloud Native platform. UIM CNTK is being deprecated from this release.	7.8

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