

Oracle® Communications Unified Inventory Management

Release Notes

Release 8.0

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Release Notes

This document provides information about Oracle Communications Unified Inventory Management (UIM) Release 8.0. The document includes information about the following topics:

- [Software Compatibility](#)
- [UIM Software Development Kit](#)
- [UIM 8.0 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 8.0.

UIM 8.0 Features

This release includes the following features and enhancements:

- [Introducing Message Reconciliation](#)
- [Enhancements in UIM](#)
- [Enhancements in Unified Inventory and Topology and UIM Cloud Native Deployments](#)
- [Enhancements in ATA](#)
- [Tech Stack Updates](#)

Introducing Message Reconciliation

UIM 8.0 introduces a new unified user experience (UX), Message Reconciliation, as a part of Active Topology Automation web application for managing fallout events. You can use Message Reconciliation to view, filter, edit, and resolve the failed events (or messages) originating from various message consumers such as Alarm Consumer, ATA Consumer, and Smart Search Consumer. The fallout events resolution includes reviewing, rebuilding, resubmitting, editing, and ignoring failed events, as part of periodic maintenance activities.

The key features of Message Reconciliation include:

- Centralized user interface (UI) to view all fallout events that could not be processed by the system.
- Advanced filtering options such as:
 - Filter events by date, including selection of custom date ranges (for example, view all fallout events from a specific day or range).
 - Filter by consumers or systems involved in the event.
 - Filter by status (for example, processed or unprocessed).
- Detailed descriptions to explain the cause of each fallout.
- Ability to update the status of fallout events from the UI.
- Ability to delete fallout events once completed or resolved.
- Ability to resubmit and rebuild fallout events.
- Unified UX: Fallout management is integrated with UIM, ATA, and Service Impact Analysis, delivering a consistent user experience across applications.
- Authorization controls that ensure only users with appropriate permissions can manage fallout events.
- Localization support for UI.
- Easy access: An **Administration** section on the Unified Inventory and Topology landing page provides quick entry to the Message Reconciliation feature.
- New REST APIs and authorization support for the REST APIs.

See "About Message Reconciliation" 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:

- [Expanding Subnetworks in Network Visualization](#)
- [Support for Layered View in Network Visualization](#)
- [Upgrade in UIM Installer](#)
- [Enhancements in UIM Upgrade](#)
- [Support for an Automated JSON Mapping from UIM to ATA](#)
- [Support for Searching All Users within Work Group or Application Roles](#)

- [Support for Data Migration Verification Scripts to Verify Successful Data Migration between UIM and ATA](#)

Expanding Subnetworks in Network Visualization

You can expand subnetworks within the Network Visualization page to visualize their internal nodes (including the access nodes), connectivity, and hierarchical relationships directly in the canvas. You use **Expand Subnetwork** from the context menu to use this feature. Subnetworks can be expanded through multiple levels.

See "Expanding Subnetworks in Network Visualization Page" in *UIM Online Help* for more information.

Support for Layered View in Network Visualization

UIM 8.0 introduces a new layered view capability for connectivity design and topology pages. This feature enables users to view layered connectivity, including underlay and overlay relationships in network visualization.

See "Changing Topology Graph Settings in Network Visualization Page" in *UIM Online Help* for more information.

Upgrade in UIM Installer

In the UIM 8.0 release, UIM is installed using the Oracle NextGen Installer, whereas previous releases used Oracle Universal Installer (OUI). The User Experience (UX) has been enhanced in the transition from OUI to NextGen Installer.

This new installer installs the core application and configures connections with the components, based on the connection details you provide. You can install UIM by using interactive install or silent install.

See "About the UIM Installer" in *UIM Installation Guide* for more information.

You can perform UIM upgrade in Silent mode. See "Upgrading UIM Using Silent Mode" in *UIM Installation Guide* for more information.

Enhancements in UIM Upgrade

UIM 8.0 includes enhancements in fresh installations and upgrades from the legacy UIM versions.

See "Upgrading the UIM Cloud Native Environment" in *UIM Cloud Native Deployment Guide* for information on UIM Cloud Native upgrade.

See "Upgrading Unified Inventory Management" in *UIM Installation Guide* for information on traditional UIM upgrade.

Support for an Automated JSON Mapping from UIM to ATA

UIM 8.0 includes new rulesets to generate JSON files for UIM to ATA attribute mappings using attribute data from an Excel sheet.

Support for Searching All Users within Work Group or Application Roles

UIM 8.0 includes enhancements in My Group Activities that allows you to search for all users in Work Group or Application Roles. A new system configuration property is added that enables you to use this feature. See [Setting System Properties](#) for more information on the property.

Support for Data Migration Verification Scripts to Verify Successful Data Migration between UIM and ATA

This release of UIM allows you to use the Data Migration Verification scripts to validate the table counts in the UIM and ATA schemas after migrating data from UIM to ATA using the **localCopy.sql** script.

See "Topology Migration Verification Scripts" in *Unified Inventory and Topology Deployment Guide* for more information.

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](#)
- [Enhancements in Message Bus](#)
- [Support for Seamless Monitoring Integration](#)
- [Enhancements in Deployment Specification Files](#)
- [Enhancements in UIM Cloud Native Deployment](#)

Enhancements in Authorization

The Authorization service now includes the following user groups for Message Reconciliation:

- MessageReconciliationAdministrator
- MessageReconciliationUser

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

Enhancements in Message Bus

Message Bus includes the following enhancements:

- Upgrade in Strimzi and Kafka versions.
- Support for Message Bus auto-rebalancing on cluster scaling.
- Support to use sample Grafana dashboard for Kafka Mirror Maker and Cruise Control.

See "Unified Operations Message Bus" in *Unified Inventory and Topology Deployment Guide* for more information.

Support for Seamless Monitoring Integration

This release includes the support for seamless monitoring integration through:

- Prometheus integration for all microservices.
- Grafana dashboards for unified resource monitoring (CPU and RAM) across services.

See "Setting up Prometheus and Grafana" in *Unified Inventory and Topology Deployment Guide* for more information.

Enhancements in Deployment Specification Files

Deployment specification files have been reorganized to improve maintainability. Previously, a single specification file was used for deploying MessageBus, Authorization, ATA, SIA, and SmartSearch services. Now, individual specification files are provided for each service, along with a base specification file common to all services.

For more information, refer to the "About the Specifications File" and "Unified Inventory and Topology Toolkit_section" in *Unified Inventory and Topology Deployment Guide*.

Enhancements in UIM Cloud Native Deployment

Starting with this release, use the Common Cloud Native Toolkit (Common CNTK) to deploy UIM cloud native. To upgrade from earlier UIM cloud native releases to the UIM 8.0 release, you should migrate the corresponding pipelines and specification files to use the Common CNTK.

See "Migrating UIM_CNTK to COMMON_CNTK" in *UIM Cloud Native Deployment Guide* for more information.

Enhancements in ATA

Active Topology Automation (ATA) 2.0.0.0.0 includes the following enhancements:

Introducing Layered View in Connectivity Design and Topology

Active Topology Automation 2.0.0.0.0 introduces a new layered view capability for connectivities. This feature enables you to view layered connectivity, including underlay and overlay relationships in topology graphs. The layered view shows all relevant layers such as, DWDM (including OTS, OMS, Och, OTU, ODU, Client) and SDH (STMs, VC4, VC3, VC12) with detailed insights into each layer. You can search for connectivity, inspect underlay or overlay relations, and view the detailed layer information directly from the canvas.

You can use the layered view to display the hierarchical structure of services and connectivities within the topology graph using the following options:

- Use **Show Underlay** to view connectivities below a selected connectivity.
- Use **Show Overlay** to view services or connectivities above a selected connectivity.

See "Viewing Connectivities in a Layered View" in *Active Topology Automation and Service Impact Analysis User's Guide* for more information.

Expanding and Isolating Subnetworks

This release includes:

- Expanding subnetworks within a topology graph to visualize the internal nodes, connectivity, and hierarchical relationships directly in the canvas.
- Isolating a subnetwork within a topology graph to view all the nodes and edges associated with the subnetwork. This option isolates the subnetwork alone into a new view and does not show all the nodes and edges of the parent network, but shows the node connecting it to the parent network.

The expanding and isolating subnetworks are supported to multiple levels.

See "Expanding Subnetworks in a Topology Graph" and Isolating a Subnetwork in a Topology Graph in *Active Topology Automation and Service Impact Analysis User's Guide* for more information.

Tech Stack Updates

UIM 8.0 includes the following Tech Stack updates:

- FMW 14c (latest patch of 14.1.2.0.0)
- Database 23ai (latest patch) and 19c (Linux 9.0 and later)
- Java 21
- Latest web browsers (Chrome, Firefox, Edge)
- Kubernetes, Helidon, VBCS, and other aligned versions for CN deployments

See "Unified Inventory and Topology Microservices" in *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 8.0

The following table lists and describes the fixed issues in UIM 8.0

Table 1-1 Fixed Issues in 8.0

Bug Number	Issue	Resolution
38264254	Service item characteristic updates do not work when executing the API suspend, resume, or disconnect	Enhanced code to create or update characteristics while running the API suspend, resume, or disconnect.
38261954	WebLogic Diagnostic log files are not directed to the Persistent Volume	Fixed templates to direct WebLogic Diagnostic log files to Persistent Volume.

Deprecated and Removed Features

Oracle recommends that you review the following information about deprecated and removed features and functions before using the UIM 8.0 release:

Table 1-2 Deprecated and Removed Features

Software/Tools	Description	Release Deprecated/Removed
AIX, HP-UX and Solaris Operating Systems	Starting with this release, Oracle Communications Unified Inventory Management support on AIX, HP-UX and Solaris operating systems is removed. Certification for these Operating Systems is also removed.	Removed in 8.0
Java 8	Starting with this release, Oracle Communications Unified Inventory Management support on Java 8 is removed. Java 8 certification is replaced with Java 21 certification.	Removed in 8.0
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. ATA is available from release 7.5.1.2 and later.	Deprecated in 7.8 (migrated to ATA)
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.	Deprecated in 7.8

Table 1-2 (Cont.) Deprecated and Removed Features

Software/Tools	Description	Release Deprecated/Removed
UIM Cloud Native Toolkit	Oracle Communications Unified Inventory Management provides Cloud Native toolkit (UIM CNTK) to deploy UIM in Cloud Native environment. In this release, this toolkit is merged with Common toolkit (Common CNTK), which deploys UIM and other services available on Cloud Native platform. Starting with this release, UIM CNTK is no longer supported.	Removed in 8.0 (merged with Common CNTK)

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