Oracle® Communications Unified Inventory Management

Release Notes



Release 8.26
G58472-01
October 2026

Oracle Communications Unified Inventory Management Release Notes, Release 8.26

G58472-01

Copyright © 2012, 2026, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

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.

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.

Contents

1 New Features

Support for Planned Maintenance Impact Analysis 1
Support for Ring Impact in Service Impact Analysis 1
Support for Customer Insights in Service Impact Analysis 2
Support for Geographic Information System Maps of Event Impacts 2
Service Summary in Topology Views 2
Support for Entity Audit Reports 2
Enhancements in Cartridge Deployment 2
OAuth 2.0 Authentication Support for UIM REST APIs 3
Support to Automatically Close EWO Activities 3
Support for Structured Characteristics in EWO Activities 3
Enhancements to UIM Encryption 3
Support for UIM Cloud Native Deployment on AWS 3

2 Fixed Issues in This Release

3 Known Issues in This Release

4 Deprecated and Removed Features

Deprecated Features 1
Removed Features 1

Copyright © 2012, 2026, Oracle and/or its affiliates.

About This Content

This document provides information about Oracle Communications Unified Inventory Management (UIM) Release 8.26.

Audience

This document is intended for all UIM users.

Software Compatibility

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

Conventions

The following text conventions are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Copyright © 2012, 2026, Oracle and/or its affiliates.

1

New Features

This release includes the following features and enhancements to Oracle Communications Unified Inventory Management (UIM):

- Support for Planned Maintenance Impact Analysis
- Support for Ring Impact in Service Impact Analysis
- Support for Customer Insights in Service Impact Analysis
- Support for Geographic Information System Maps of Event Impacts
- Service Summary in Topology Views
- Support for Entity Audit Reports
- Enhancements in Cartridge Deployment
- Support for Cloud Native Service Administration in DCMT
- OAuth 2.0 Authentication Support for UIM REST APIs
- Support to Automatically Close EWO Activities
- Support for Structured Characteristics in EWO Activities
- Enhancements to UIM Encryption
- Support for UIM Cloud Native Deployment on AWS

Support for Planned Maintenance Impact Analysis

In Service Impact Analysis, you can create a simulation for planned maintenance and select the resources involved. The analysis shows associated network resources and services before the work is scheduled. You can review the resulting impacts in summary and detail views, including related resources and their topology. You can then schedule the simulation as a planned event and review planned event information in Service Impact Analysis and Active Topology Automation (ATA).

For more information on using Planned Maintenance, see *Active Topology Automation and Service Impact Analysis User's Guide*.

Support for Ring Impact in Service Impact Analysis

Service Impact Analysis identifies rings affected by fault, performance, and planned events. You can calculate impacted rings from the impact overview by choosing a supported calculation method. The results show the number of rings found and provide access to ring details and related topology. This information helps you assess ring impacts alongside other affected resources and services.

For more information on Ring Impacts, see *Active Topology Automation and Service Impact Analysis User's Guide*.

Copyright © 2012, 2026, Oracle and/or its affiliates.

Support for Customer Insights in Service Impact Analysis

Service Impact Analysis provides Customer Insights for events and impact analysis. You can view affected customer counts and open a list of the customers associated with an impact. Search and filter controls help you narrow the list, while the insights view reflects the selected results. You can drill down into customer information to investigate the effect of an event on individual customers.

For more information on Customer Insights, see *Active Topology Automation and Service Impact Analysis User's Guide*.

Support for Geographic Information System Maps of Event Impacts

Service Impact Analysis provides a heatmap for viewing the geographic distribution of event impacts. You can open the heatmap from the overview dashboard and expand it for a larger view. On the Events page, you can switch between map and table views of the results. The map reflects the selected date range and event filters, helping you locate areas with affected resources.

For more information on setting GIS maps, see *Unified Inventory and Topology Deployment Guide*.

Service Summary in Topology Views

In ATA, you can open a Service Summary from a service topology. The summary displays service context and provides access to related configuration, orders, and events. You can use the available actions to open the corresponding service record in UIM. These views help you move between the topology and the underlying inventory information for a service.

For more information, see *Active Topology Automation and Service Impact Analysis User's Guide*.

Support for Entity Audit Reports

UIM provides an entity audit ruleset for reviewing inventory counts. An administrator can run the ruleset and receive the results as a text report. The audit covers the inventory entity groups identified for the release and includes ATA topology nodes. This report helps administrators review entity totals using the current UIM data model.

For more information, see *UIM Developer's Guide*.

Enhancements in Cartridge Deployment

UIM supports cartridge deployment with Java code without an in-place redeployment of the UIM application. This reduces interruption to services during cartridge changes. For on-premises deployments, cartridge configuration files and images can be stored without relying on a shared file system across managed servers. These changes simplify deployment and update of cartridges in supported environments.

For more information, see *Unified Inventory and Topology Deployment Guide*, *Cartridge Guide*, *System Administrator's Guide*, and *Installation Guide*.

Copyright © 2012, 2026, Oracle and/or its affiliates.

OAuth 2.0 Authentication Support for UIM REST APIs

UIM REST APIs support OAuth 2.0 bearer-token authentication. REST clients can authenticate using access tokens issued by an identity provider that UIM validates. Existing authorization behavior, including the requirement for `uim-users` group membership, remains unchanged. Enable and configure OAuth 2.0 in the UIM runtime configuration before using bearer-token authentication.

See *UIM Cloud Native Deployment Guide* for more information.

Support to Automatically Close EWO Activities

In UIM, EWO activities marked for automatic closure close when they reach the **Ready** state. Project Managers can select eligible workflow activities for automatic closure.

See *UIM Online Help* for more information.

Support for Structured Characteristics in EWO Activities

UIM supports structured characteristics for Activities based on **Task** specifications. UIM identifies a structured characteristic by using the format `structuredElement/characteristic`. For example, a `portName` characteristic in the `EnterSlotAndCardDetails` structured element is identified as `EnterSlotAndCardDetails/portName`. The complete path enables UIM and SOAP clients to distinguish child characteristics that have the same name in different structured elements.

See *UIM Online Help* and *UIM Developer's Guide* for more information.

Enhancements to UIM Encryption

UIM includes encryption updates for selected product components. These updates support the transition toward quantum-resistant cryptography. See *UIM Security Guide* for more details.

Support for UIM Cloud Native Deployment on AWS

UIM Cloud Native can be deployed on AWS using a compatible Kubernetes environment, such as Amazon EKS.

See *UIM Compatibility Matrix* for more information.

Copyright © 2012, 2026, Oracle and/or its affiliates.

2

Fixed Issues in This Release

The following table lists and describes the fixed issues in this release of Oracle Communications Unified Inventory Management (UIM):

Table 2-1 Fixed Issues in This Release

Bug	Description	Resolution
39486601	Incorrect Signature for Extension point CustomObjectManager.updateCustomObject	Corrected the signature in the `CustomObjectManager_updateCustomObjects_1.rstp` extension point by removing the extra space between the return type and the method signature.
39909200	Equipment Search by Parent Equipment Name Generates IN Clause with More Than 1000 Expressions Causing ORA-01795.	Fixed the parent-equipment search by removing the duplicate parent names and using parameterized values instead of inline `IN` clause literals. Lists exceeding the original 1,000-item limit are split into multiple `IN` clauses joined with `OR`. Empty inputs skip the parent filter to avoid invalid `IN ()`, while the parent-name condition is applied through the correct equipment-holder relationship alias.
39078957	UIM Compliance Tool setup and running issue.	In latest versions of WebLogic (such as 12c and 14c), the associated class `ExecuteThread` is not available in the client libraries. As a result, the tool encounters a `ClassNotFoundException`. Comment the corresponding lines in **weblogic-mbeans.xml** in **config\mbeans**.
39303492	My Activities – Assign on multiple selected activities causes “An unresolvable error has occurred” and terminates the application	Added a use case where if the display name is `NULL`, the system considers user id while assigning a user.
39367064	The handleRateCodeImpactsForInterface API fails when the mapped device interface and physical port use different specification names.	Added request-object reconciliation APIs that accept separate replacement specifications for device interfaces and physical ports.
39365351	The handleRateCodeImpactsForInterface API fails when the device-interface specification has Enter Id Manually set to true.	Updated reconciliation to support manually entered IDs. The API uses the supplied replacement ID or reuses the existing entity ID when no replacement ID is provided.
39791438	After canvas changes such as association, deletion, addition, NPD sends incomplete topology canvas updates. These updates do not include affected node details, and connectivity additions could omit affected edges, leaving the canvas stale until a manual refresh reloaded the topology.	The flow is corrected to include complete updated graph data in the canvas update payload so changes are reflected without a manual refresh.

Copyright © 2012, 2026, Oracle and/or its affiliates.

3

Known Issues in This Release

The following table lists and describes the known issues in this release of Oracle Communications Unified Inventory Management (UIM):

Table 3-1 Known Issues in This Release

Issue	Description	Workaround
Issues with Circular Layout when rendering subnetworks in Network Visualization Canvas (UIM Network Plan and Design).	In network visualizations that include subnetworks or grouped elements, the circular layout may not render correctly. Nodes within subnetworks may appear outside their expected boundaries. Subnetwork hierarchy expansion may not be consistently preserved (for example, last-level subnetworks may not appear expanded by default).	Use alternative layouts (for example, force-directed or hierarchical) for accurate visualization of subnetworks.
Single Logout (SLO) Not Supported with WebLogic OpenID Connect Provider	In deployments where UIM is integrated with OAuth 2.0 and OpenID Connect, Single Logout (SLO) is not currently supported. As a result, logout actions are not propagated across UIM and integrated applications such as ATA and SIA. Users may need to individually terminate sessions in each application. This limitation is due to the current implementation of the WebLogic version 14.1.2 OpenID Connect Provider and is tracked under Bug 39034216 and Bug 39099202.	Terminate sessions in each application.

Copyright © 2012, 2026, Oracle and/or its affiliates.

4

Deprecated and Removed Features

Oracle recommends that you review the following information about deprecated and removed features and functions before using Oracle Communications Unified Inventory Management (UIM) 8.26 or a later release.

Deprecated Features

The following table lists and describes the deprecated features:

Table 4-1 Deprecated Features

Software/Tools/Features	Description	Deprecated in Release
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.	7.8 (migrated to ATA)
Network Service Orchestration (NSO)	Oracle Communications Network Service Orchestration (NSO) and the associated cartridge pack are deprecated. This feature will be removed from UIM in a future release.	7.8
Basic Authentication for UIM REST APIs	HTTP Basic Authentication for UIM REST APIs will be deprecated in a future release. It remains supported in UIM 8.26 release for the existing REST APIs. Customers should plan to migrate existing REST integrations to OAuth 2.0 bearer-token authentication and use OAuth 2.0 for new integrations.	8.26

Removed Features

The following table lists and describes the removed features:

Table 4-2 Removed Features

Software/Tools/Features	Description	Removed in Release
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.	8.0

Copyright © 2012, 2026, Oracle and/or its affiliates.

Table 4-2 (Cont.) Removed Features

Software/Tools/Features	Description	Removed in Release
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.	8.0
UIM Cloud Native Toolkit	Oracle Communications Unified Inventory Management provides Cloud Native toolkit (UIM CNTK) to deploy UIM in a 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. UIM CNTK is no longer supported.	8.0 (merged with Common CNTK)

Copyright © 2012, 2026, Oracle and/or its affiliates.