Oracle® Communications Unified Inventory Management

Compatibility Matrix

Release 8.26

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UIM Software Compatibility

This document lists the software compatible with Oracle Communications Unified Inventory Management (UIM), Active Topology Automation (ATA), Service Impact Analysis, Unified Operations Message Bus, and Authorization Service.

See the following sections for details:

- Recommended Versions of Unified Inventory and Topology Microservices
- UIM Common Software Compatibility
- UIM Cloud Native Deployment Software Compatibility
- UIM Traditional Deployment Software Compatibility

Recommended Versions of Unified Inventory and Topology Microservices

This section lists the Unified Inventory and Topology microservices, the corresponding versions, and any interdependencies.

Table 1-1 Recommended Versions of Unified Inventory and Topology Microservices

Microservice	Versions
Unified Inventory Management (UIM)	App Version: 8.26.0.0.0 Chart Version: 8.26.0
Active Topology Automation (ATA)	App Version: 2.1.0.0.0 Chart Version: 2.1.0
Oracle Communications Unified Operations Message Bus	App Version: 2.1.0.0.0 Chart Version: 2.1.0
Oracle Communications Unified Operations Authorization	App Version: 2.1.0.0.0 Chart Version: 2.1.0
SmartSearch	App Version: 0.4.20 Chart Version: 2.1.0

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Table 1-1 (Cont.) Recommended Versions of Unified Inventory and Topology Microservices

Microservice	Versions
OpenSearch	App Version: 2.15.0 Chart Version: 2.21.0
Service Impact Analysis	App Version: 2.1.0.0.0 Chart Version: 2.1.0

UIM Common Software Compatibility

This section describes the software required to support the traditional deployment of UIM and the cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch.

> **Note**
>
> For all operating systems, check the Oracle Database documentation for any additional operating system patches required to support the database.

Table 1-2 Supported Software for traditional deployment of UIM and cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Ant	1.10.15	None	None	None	Optional Ant is required for direct ant-based integration with the various tools in the UIM SDK including the Compliance tool for Cartridge Deployment using CMT.
Apache log4j	2.26.1	2.26.1	2.26.1	None	This is a developer tool.
Drools	10.2.0	None	None	None	This is a developer tool.
Eclipse	2026-03 (4.39.0)	None	None	None	This is a developer tool.
Groovy	3.0.18	None	None	None	This is a developer tool.

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Table 1-2 (Cont.) Supported Software for traditional deployment of UIM and cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Java	21.0.12.1	21.0.12.1	21.0.12.1	None	Recommended versions as per the manifest file. See "UIM Cloud Native Manifest File".
JDeveloper Studio Generic	14.1.2	None	None	None	None
Oracle Analytics Server	26.01.0	None	None	None	None
Oracle Communications Service Catalog and Design	8.26.0 or later	None	None	None	None
Oracle Database	19c 26ai	19c 26ai PGX 25.3	19c 26ai	None	Enterprise Edition or Oracle OCI Database Service: Enterprise Edition High Performance / Oracle Grid Infrastructure. The database should not be installed on a Microsoft Windows system for a production environment. Microsoft Windows can be used for development, demonstration, and test environments. For cloud native deployments, it is installed as a container database.

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Table 1-2 (Cont.) Supported Software for traditional deployment of UIM and cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Oracle Database Patches	September 2026 CSPU or later	None	None	None	Oracle recommends the latest available CPU. See "Overlay Patches and Critical Patch Updates". Recommended versions as per the manifest file. See "UIM Cloud Native Manifest File".
Oracle Fusion Middleware Infrastructure	14.1.2	None	None	None	Fusion Middleware Infrastructure is included in the UIM software media pack. It includes Oracle WebLogic Server, Oracle Coherence, and Oracle Application Development Framework (ADF).
Oracle Fusion Middleware Patches	September 2026 CSPU or later	None	None	None	Oracle recommends the latest available CPU along with the additional patches listed. Recommended versions as per the manifest file. See "UIM Cloud Native Manifest File".

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Table 1-2 (Cont.) Supported Software for traditional deployment of UIM and cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Oracle Linux	8.x 9.8	8.x 9.8	8.x 9.8	8.x 9.8	Oracle products certified on Oracle Linux are also supported on Red Hat Enterprise Linux due to implicit compatibility between both distributions. Oracle does not run any additional testing on Red Hat Enterprise Linux products. Oracle recommends the latest available update, because later updates may provide modest performance gains. **Note**: Oracle applications are developed and tested on Oracle Linux, which is optimized for performance, stability and security. Recommended versions as per the manifest file. See "UIM Cloud Native Manifest File".
Prometheus/ Grafana	kube-prometheus-stack Helm Chart :77.2.0 AppVersion: v0.85.0	kube-prometheus-stack Helm Chart :77.2.0 AppVersion: v0.85.0	kube-prometheus-stack Helm Chart :77.2.0 AppVersion: v0.85.0	kube-prometheus-stack Helm Chart :77.2.0 AppVersion: v0.85.0	https://prometheus-community.github.io/helm-charts

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Table 1-2 (Cont.) Supported Software for traditional deployment of UIM and cloud native deployment of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Spatial Map Visualization (Oracle Fusion Middleware Mapviewer)	25.1	None	None	None	None
Web Browser	Google Chrome 130.0.6723.117 (Official Build) (64-bit) Firefox 128.4.0esr (32-bit) Microsoft Edge 130.0.2849.80 (Official build) (64-bit)	Google Chrome 130.0.6723.117 (Official Build) (64-bit) Firefox 128.4.0esr (32-bit) Microsoft Edge 130.0.2849.80 (Official build) (64-bit)	Google Chrome 130.0.6723.117 (Official Build) (64-bit) Firefox 128.4.0esr (32-bit) Microsoft Edge 130.0.2849.80 (Official build) (64-bit)	None	None

UIM Cloud Native Deployment Software Compatibility

This section lists the software compatible with the Oracle Communications Unified Inventory Management (UIM) cloud native deployment package.

Table 1-3 Supported Software for Cloud Native Deployment Package of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Authorization Service	Notes
Apache Kafka	4.2.0	4.2.0	4.2.0	4.2.0	4.2.0	None
Helidon	None	4.4.1	4.4.1	None	4.5.1	None
Maven	None	3.8.8	3.8.8	None	None	None
Oracle Graph Server	None	26.3.0.0 (graph-server-webapp-26.3.0.war)	None	None	None	None
Strimzi Operator	None	None	None	0.51.0	None	None
Tomcat	None	10.1.57	10.1.57	None	None	None

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Recommended Kubernetes Technology Stack

The following table lists the recommended versions of the software in the Kubernetes technology stack supported with UIM cloud native deployments.

> **Note**
>
> Oracle recommends that if you use any of the components listed in this table, then use only the versions of other components listed in this table.

Table 1-4 Recommended Versions of Kubernetes Technology Stack for Cloud Native Deployment Package of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for UIM Oracle Kubernetes Engine	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
Kubernetes	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	See "Container Platforms for UIM Cloud Native" for further details.
CRI-O	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	1.36.x (x>=0)	CRI-O is required only in Kubernetes runtime environments.
Cluster Networking Interface (CNI)	UIM cloud native is certified for the same CNI plugins and versions specified by the WebLogic Kubernetes Operator version listed in this table. Flannel 0.27.0	UIM cloud native is certified for the same CNI plugins and versions specified by the WebLogic Kubernetes Operator version listed in this table. Flannel 0.27.0	Flannel 0.27.2	Flannel 0.27.2	Flannel 0.27.2	See "WebLogic Kubernetes Operator Documentation" for further details.
Docker	24.0 Linux version: 7.9	19.03.x (x >= 11) Linux version: 7.9	24.0 Linux version: 7.9	24.0 Linux version: 7.9	24.0 Linux version: 7.9	None
Gradle	None	8.8	None	None	None	None
Helm	4.2.2	4.2.2	4.2.2	None	4.2.2	None

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Table 1-4 (Cont.) Recommended Versions of Kubernetes Technology Stack for Cloud Native Deployment Package of UIM, ATA, Service Impact Analysis, Unified Operations Message Bus, Authorization, Smart Search, and OpenSearch

Software	Version for UIM	Version for UIM Oracle Kubernetes Engine	Version for ATA	Version for Service Impact Analysis	Version for Unified Operations Message Bus	Notes
HAProxy	Chart Version : 1.49.0 APP Version: 3.2.6	Chart Version : 1.49.0 APP Version: 3.2.6	Chart Version : 1.49.0 APP Version: 3.2.6	Chart Version : 1.49.0 APP Version: 3.2.6	Chart Version : 1.49.0 APP Version: 3.2.6	None
OpenSearch	App Version: 2.15.0 Chart Version: 2.21.0	None	None	None	None	Oracle recommends UIM Cloud Native customers to deploy the Cloud Native application on Oracle OCI and use OCI OpenSearch.
OpenSearch Dashboard	App Version: 2.15.0 Chart Version: 2.19.1	None	None	None	None	None
Oracle WebLogic Kubernetes Operator	4.3.13 ghcr.io/oracle/weblogic-kubernetes-operator:*version*	4.3.13 ghcr.io/oracle/weblogic-kubernetes-operator:*version*	None	None	None	Download this software from: https://oracle.github.io/weblogic-kubernetes-operator/.
Podman	Oracle Linux 8: 4.9.4 Oracle Linux 9: 5.2.2	Oracle Linux 8: 4.9.4 Oracle Linux 9: 5.2.2	Oracle Linux 8: 4.9.4 Oracle Linux 9: 5.2.2	Oracle Linux 8: 4.9.4 Oracle Linux 9: 5.2.2	Oracle Linux 8: 4.9.4 Oracle Linux 9: 5.2.2	None
WebLogic Deploy Tool (WDT)	4.4.5	4.4.5	None	None	None	Download this software from: https://github.com/oracle/weblogic-deploy-tooling/tags/
WebLogic Image Tool (WIT)	1.16.4	1.16.4	None	None	None	Download this software from: https://github.com/oracle/weblogic-image-tool/tags

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UIM Cloud Native Manifest File

The UIM cloud native manifest file tracks updates and patches to the following software:

- Java
- Oracle Fusion Middleware, including patches
- Oracle Linux

Oracle updates the manifest files to track Critical Patch Updates for all these components. You are encouraged to uptake the manifests as they are released.

To download the manifest file, see the UIM Cloud Native Manifest Files (Doc ID 2823096.1) knowledge article on My Oracle Support.

For information on how to use the manifest file to build your UIM cloud native images, see "Creating UIM Cloud Native Images" in *UIM Cloud Native Deployment Guide*.

Container Platforms for UIM Cloud Native

UIM cloud native is designed to be agnostic of the underlying cloud infrastructure. It relies on standard APIs, objects and configuration functions from the software products listed in this document. As such, UIM cloud native is certified on any container platform based on a CNCF-certified Kubernetes, provided the version requirements listed in this document are satisfied.

UIM cloud native has been tested on a standard "upstream" (kubernetes.io) deployment of Kubernetes on Linux VM and bare metal (private lab and IaaS). UIM cloud native has also been tested on the Oracle OCI OKE platform with Oracle Multitenant Database via co-located Oracle Database Service (Bare Metal, VM, and ExaData), and on Amazon Elastic Kubernetes Service (Amazon EKS). UIM cloud native includes specific support for OCI and OKE.

Other Kubernetes distributions and container platforms may impose their own operational, security, and configuration requirements. These would have to be addressed as part of the uptake of UIM cloud native, with support from the third-party provider.

An important requirement is the presence of an Oracle Multitenant Container Database in close network proximity to the platform, in an environment and configuration that is officially supported by Oracle.

UIM Traditional Deployment Software Compatibility

This section describes the software required to support the UIM components for traditional deployment.

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Table 1-5 Supported Software for UIM Traditional Deployment

Software	Version	Notes
Cartridge Development Oracle Communications Service Catalog and Design - Design Studio	8.26.0 or later	None
Cloud IaaS Support	• Oracle Cloud Infrastructure • Amazon Web Services Elastic Computing (EC2) • Custom RDS Certification over AWS	None
Oracle Linux	8.x 9.x	Oracle products certified on Oracle Linux are also supported on Red Hat Enterprise Linux due to implicit compatibility between both distributions. Oracle does not run any additional testing on Red Hat Enterprise Linux products. Oracle recommends the latest available update, because later updates may provide modest performance gains. Supported on Sparc platforms only. Oracle applications are developed and tested on Oracle Linux, which is optimized for performance, stability and security. Recommended versions as per the manifest file. See "UIM Cloud Native Manifest File".
Windows	11	For development, demonstration, and test environments. Not for production use.

Design Studio Installation and Version Compatibility

For Oracle Communications Service Catalog and Design - Design Studio plug-in installation information, see "Design Studio Installation Overview" in *Design Studio Installation Guide*.

Overlay Patches and Critical Patch Updates

UIM is supported on all Oracle Critical Patch Updates. You should install the latest Critical Patch Updates and overlay patches as soon as possible. To download Critical Patch Updates, find out about security alerts, and enable email notifications about Critical Patch Updates. See the Critical Patch Updates, Security Alerts and Bulletins page:

https://www.oracle.com/security-alerts/

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Critical Patch Updates

This section lists the September 2026 CSPU and Overlay patches.

Table 1-6 September 2026 CSPU and Overlay Patches for Fusion Middleware

Component	Patch Number
Opatch	28186730_13.9.4.2.24
Oracle Coherence	39864483
WLS PATCH SET UPDATE 14.1.2.0.250911	39919611
RDA release 26.1-2026120	39798193
FMW Thirdparty Bundle Patch	39916998
Support for JPS configuration PARAMS in WDT model for external LDAP	32220849
FMW JDBC	39487373
RCU prerequisite steps fail while trying to validate the DB connection	38391376

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Oracle Communications Unified Inventory Management Compatibility Matrix, Release 8.26
G58481-01

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