

UIM Software Compatibility

This document lists the software compatible with Oracle Communications Unified Inventory Management (UIM).

See the following sections for details:

- [UIM Cloud Native Deployment Software Compatibility](#)
- [UIM Traditional Deployment Software Compatibility](#)

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 1-1 Supported Software for UIM Cloud Native Deployment Package 7.5.0.x.0 (x >= 0)

Software	Version	Notes
JDeveloper Studio Generic	12.2.1.4	NA
Oracle Analytics Server	5.9.0	NA
Oracle Fusion Middleware Mapviewer	12.2.1.4	NA
Ant	1.10.x (x >= 9)	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.
Web browser	Google Chrome 93 or later Mozilla Firefox ESR 78.14 or later Microsoft Edge Chromium 93 or later	NA

Table 1-1 (Cont.) Supported Software for UIM Cloud Native Deployment Package 7.5.0.x.0 (x >= 0)

Software	Version	Notes
Oracle Communications Design Studio	7.4.2.5 or later	NA
Oracle Fusion Middleware infrastructure	12.2.1.4	NA
Oracle Database (installed as Container Database)	19c	Enterprise Edition or Oracle OCI Database Service: Enterprise Edition High Performance / Oracle Grid Infrastructure.
Oracle Multitenant Container Database Patches	July 2022 CPU or later	NA
Oracle Linux	8.x (x >= 4)	Recommended versions as per the manifest file. See " UIM Cloud Native Manifest File ".
Java	8 update 351 or later	Recommended versions as per the manifest file. See " UIM Cloud Native Manifest File ".
Oracle Fusion Middleware Patches	October 2022 CPU or later <ul style="list-style-type: none"> • 34653267 • 34604561 • 34545596 • 34247006 • 33639718 • 33903365 	For the full list of recommended patches, see " UIM Cloud Native Manifest File ".
Prometheus	2.26.0	https://prometheus-community.github.io/helm-charts
Grafana	8.0.1	https://grafana.github.io/helm-charts
Groovy	2.5.6	This is a developer tool.
Drools	7.73.0	This is a developer tool.
Eclipse	4.8.0 (Photon)	This is a developer tool.
Apache log4j	2.17.1	This is a developer tool.

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 1-2 Recommended Versions of Kubernetes Technology Stack for UIM Cloud Native Deployment Package 7.5.0.x.0 (x >= 2)

Software	Versions	Notes
Kubernetes	1.23.x (x>=4)	See " Container Platforms for UIM Cloud Native " for further details.
CRI-O	1.23.x (x>=4)	CRI-O is required only in Kubernetes runtime environments.
Docker	19.03.11 Linux version: 7.9	NA
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.	See " WebLogic Kubernetes Operator Documentation " for further details.
Helm	3.10.1	NA
Oracle WebLogic Kubernetes Operator	3.3.1 <code>ghcr.io/oracle/weblogic-kubernetes-operator:version</code>	Download this software from: https://oracle.github.io/weblogic-kubernetes-operator/ .
Traefik	2.9.x (x >= 1) Chart version 15.1.0	For details, see: https://artifacthub.io/packages/helm/traefik/traefik .
Podman	4.1.1 Linux version: 8.6	NA

Earlier and Supported Versions of Kubernetes Technology Stack

The following table lists the earlier and still supported versions of software in the Kubernetes technology stack for UIM cloud native deployments. For software not listed in the table, use the appropriate version in [Table 1-2](#).

 **Note:**

Oracle highly recommends uptaking the stack versions listed in [Table 1-2](#).

Table 1-3 Earlier and Supported Versions of Kubernetes Technology Stack for UIM Cloud Native Deployment Package 7.5.0.0.x (x >= 0)

Software	Version	Notes
Kubernetes	1.22.x (x>=5) 1.21.x (x>=3) 1.20.x (x>=6) 1.19.x (x>=7) 1.18.x (x>=10) 1.17.x (x>=13)	See " Container Platforms for UIM Cloud Native " for further details.
CRI-O	1.22.x (x >= 3)	CRI-O is required only in Kubernetes runtime environments.
Docker	19.03.x (x >= 1) 18.09.x (x >= 1)	NA
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.	See " WebLogic Kubernetes Operator Documentation " for further details.
Helm	3.6.3 3.3.4	NA
Oracle WebLogic Kubernetes Operator	3.3.x (x>= 1) ghcr.io/oracle/weblogic-kubernetes-operator:version	Download this software from: https://oracle.github.io/weblogic-kubernetes-operator/ .
Traefik	2.6.x (x>=3) 2.4.x (x >= 9) Chart version 10.1.x	For details, see: https://artifacthub.io/packages/helm/traefik/traefik .

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). 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.

 **Note:**

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

Table 1-4 Supported Software for UIM Traditional Deployment

Component	Product	Notes
Oracle Fusion Middleware	JDeveloper Studio Generic 12.2.1.4	NA
Oracle Fusion Middleware	Oracle Analytics Server 5.9.0	NA
Oracle Fusion Middleware	Mapviewer 12.2.1.4	NA

Table 1-4 (Cont.) Supported Software for UIM Traditional Deployment

Component	Product	Notes
Server Operating System	Oracle Linux 7.x (x >= 3) Oracle Linux 8.x (x >= 2)	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.
Server Operating System	Solaris 11.x (x >= 3)	Supported on Sparc platforms only.
Server Operating System	Windows 10	For development, demonstration, and test environments. Not for production use.
Server Operating System	IBM AIX 7.x (x >= 1)	NA
Server Operating System	HP-UX 11.31	NA
Web Browser	Microsoft Edge Chromium 87 or later Google Chrome 88 or later Mozilla Firefox ESR 79 or later	NA
Database Server	Oracle Database 19c 12c R2 (12.2.0.1)	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.
Oracle Database Patches	October 2022 CPU or later	Oracle recommends the latest available CPU. Recommended versions as per the manifest file. See " UIM Cloud Native Manifest File ".

Table 1-4 (Cont.) Supported Software for UIM Traditional Deployment

Component	Product	Notes
Java	8 update 351 or later for Linux, Solaris, and Windows (Recommended) 8.0 SR6 FP20 or later for AIX 8.0.21 or later for HP-UX	Recommended versions as per the manifest file. See " UIM Cloud Native Manifest File ".
Application Server	Oracle Fusion Middleware Infrastructure 12.2.1.4	Fusion Middleware Infrastructure is included in the UIM software media pack. It includes Oracle WebLogic Server, Oracle Coherence, and Oracle Application Development Framework (ADF).
Application Server	Fusion Middleware Patches October 2022 CPU or later <ul style="list-style-type: none"> • 34653267 • 34604561 • 34545596 • 34247006 • 33639718 • 33903365 	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 ".
Build Tool	Ant 1.10.x (x >= 9)	Ant is required for using various tools in the UIM SDK including UIM cartridge management tools. To ensure the tools function correctly, all copies of Ant in use must have the same version number.
Cloud IaaS Support	Amazon Web Services Elastic Computing (EC2)	UIM is not certified for Amazon Relational Database Service.
Cartridge Development	Design Studio 7.4.2.5.0. or later	
Prometheus	2.26.0	https://prometheus-community.github.io/helm-charts
Grafana	8.0.1	https://grafana.github.io/helm-charts
Groovy	2.5.6	This is a developer tool.
Drools	7.73.0	This is a developer tool.
Eclipse	4.8.0 (Photon)	This is a developer tool.
Apache log4j	2.17.1	This is a developer tool.

Design Studio Installation and Version Compatibility

For Oracle Communications Design Studio plug-in installation information, see *Design Studio Installation Guide*.

About 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/>

Oracle Communications Unified Inventory Management Compatibility Matrix, Release 7.5

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