Oracle® Communications ASAP

Compatibility Matrix

Release 7.4

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ASAP Software Compatibility

This document lists the software compatible with Oracle Communications ASAP.

See the following sections for details:

- ASAP Cloud Native Deployment Software Compatibility
- ASAP Traditional Deployment Software Compatibility

ASAP Cloud Native Deployment Software Compatibility

This section lists the software compatible with the Oracle Communications ASAP cloud native deployment package.

Table 1-1   Supported Software for ASAP Cloud Native Deployment Package

Software	Version	Notes
Ant	1.10.12	Optional Ant is required for direct ant-based integration with the various tools in the ASAP 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
Oracle Communications Service Catalog and Design - Design Studio	7.4.2.4.2 or later	See *Service Catalog and Design Compatibility Matrix* for details.

Table 1-1   (Cont.) Supported Software for ASAP Cloud Native Deployment Package

Software	Version	Notes
Oracle Fusion Middleware	Oracle WebLogic Server 14.1.1 Oracle WebLogic Server 12.2.1.4 **Note:** Oracle recommends using Oracle WebLogic Server 12.2.1.4 as it is designated as a Long Term Support (LTS) release.	NA
Oracle Database (installed as Container Database)	19*c*	Enterprise Edition or Oracle OCI Database Service: Enterprise Edition High Performance / Oracle Grid Infrastructure.
Database Client	Oracle Client for Linux 19*c* (32-bit)	NA
Oracle Multitenant Container Database Patches	July 2021 CPU or later	NA
Oracle Linux	8.x (x >= 4)	NA
Java	1.8.x with the latest Critical Patch Update	NA

Recommended Kubernetes Technology Stack

The following table lists the recommended versions of the software in the Kubernetes technology stack supported with ASAP 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 ASAP Cloud Native Deployment Package 7.4.0.x (x >= 2)

Software	Versions	Notes
Kubernetes	1.x (x>=28)	See "Container Platforms for ASAP Cloud Native" for further details.
Podman	4.4.0 or later	NA
Helm	3.11.x (x>=2)	NA

Table 1-2 (Cont.) Recommended Versions of Kubernetes Technology Stack for ASAP Cloud Native Deployment Package 7.4.0.x (x >= 2)

Software	Versions	Notes
Cluster Networking Interface (CNI)	Flannel 0.14.0 or later	NA
Traefik Ingress Controller	2.10.x (x>=6)	For details, see: https://artifacthub.io/packages/helm/traefik/traefik.
Grafana	10.3.x (x>=3)	NA
Prometheus	2.49.x (x>=1)	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 ASAP 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 ASAP Cloud Native Deployment Package 7.4.0.x (x >= 0)

Software	Version	Notes
Kubernetes	1.25.x (x>=4) 1.24.x (x>=1) 1.17.x (x>=13)	See "Container Platforms for ASAP Cloud Native" for further details.
Helm	3.10.3 3.4.1	NA
Docker	20.10.x (x>=17) 19.03.x (x >= 1)	NA
Traefik Ingress Controller	2.9.6 2.4.9 Chart version 10.1.x	For details, see: https://artifacthub.io/packages/helm/traefik/traefik.
Grafana	9.4.1 8.4.2	NA
Prometheus	2.42.0 2.18	NA

Container Platforms for ASAP Cloud Native

ASAP 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, ASAP cloud native is certified on any container platform based on a CNCF-certified Kubernetes, provided the version requirements listed in this document are satisfied.

ASAP cloud native has been tested on a standard "upstream" (kubernetes.io) deployment of Kubernetes on a Linux VM and bare metal (private lab and IaaS). ASAP 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). ASAP 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 ASAP 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.

ASAP Traditional Deployment Software Compatibility

This section describes the software required to support the ASAP 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 ASAP 7.4 Traditional Deployment

Component	Product	Notes
Server Operating System	Oracle Linux 8.x (x >= 4)	Oracle recommends the latest available update. 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.

Table 1-4   (Cont.) Supported Software for ASAP 7.4 Traditional Deployment

Component	Product	Notes
Server Operating System	Oracle Solaris on SPARC architecture (64-bit) 11.4	NA
Server Operating System	Hewlett Packard HP-UX for Itanium (64-bit) 11iv3 (11.31)	NA
Operating System for the Order Control Application	Microsoft Windows 10 or later	NA
Application Server	Oracle WebLogic Server 14.1.1 Oracle WebLogic Server 12.2.1.4 **Note:** Oracle recommends using Oracle WebLogic Server 12.2.1.4 as it is designated as a Long Term Support (LTS) release.	The generic version of the WebLogic Server software can be found as a separate downloadable item with the ASAP software. This version does not include a JDK. You must download and install the JDK for your platform as listed in this table before you install WebLogic Server.
Application Server	Application Server RDBMS Thin JDBC driver (**ojdbc8.jar**). 19*c* This driver is an optional WebLogic Server component. You must install this component before you install ASAP. During the installation of the WebLogic Server software, make sure you select **WebLogic JDBC Drivers**.	NA
Java Standard Edition: JDK for the WebLogic Server (For Linux or Solaris)	64-bit Oracle JDK 1.8.x with the latest Critical Patch Update	This Java will be used by the WebLogic Server only.
Java Standard Edition: JDK for the WebLogic Server (For HP-UX)	64-bit HP JDK 1.8.0.08+	This Java will be used by the WebLogic Server only. The generic WebLogic Server available with the ASAP software from the Oracle software delivery website can run in 32-bit or 64-bit mode, depending on the JDK version you use.
Database Server	Oracle Database 19*c*	NA

Table 1-4   (Cont.) Supported Software for ASAP 7.4 Traditional Deployment

Component	Product	Notes
Database Client	Oracle Client for the following platforms: • Oracle Solaris • HP-UX • Oracle Linux 19*c* (32-bit)	NA
Reporting Solution	Oracle Analytics Server 6.4.0	NA
OCA Java Web Start Thin Client Browser Support	Microsoft Edge 96 or later Mozilla Firefox ESR 91 or later Google Chrome 97 or later	NA
Java Standard Edition: JDK for OCA thick client	64-bit Oracle JDK For Microsoft Windows 1.8.x with the latest Critical Patch Update	Download this JDK for the OCA thick client only. The OCA java thin client automatically installs the appropriate JDK when you run the client using Internet Explorer or Firefox.
Cloud IaaS Support	Amazon Web Services Elastic Computing (EC2)	Certified on Oracle Database 19c (EC2)
Monitoring Tool	Prometheus 2.49.x (x>=1) Grafana 10.3.x (x>=3)	NA

Design Studio Installation and Version Compatibility

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

See *Service Catalog and Design Compatibility Matrix* for ASAP compatibility information.

About Critical Patch Updates

ASAP 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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