Oracle® Communications
Operations Services Overlay Network Impact Report

Release 23.4.5

F89018-03

May 2024

ORACLE®

Oracle Communications Operations Services Overlay Network Impact Report, Release 23.4.5

F89018-03

Contents

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Acronyms

Table   Acronyms

Acronym	Description
CNC Console	Cloud Native Configuration Console
CSAR	Cloud Service ARchive
GUI	Graphical User Interface
K8s	Shorthand alias for Kubernetes
LCM	Life Cycle Management
NF	Network Functions
CNE	Oracle Communications Cloud Native Core, Cloud Native Environment
OSO	Oracle Communications Operations Services Overlay
RBAC	Role Based-Access Control

What's New in this Guide

This section introduces the documentation updates for release 23.4.x.

Release 23.4.5- F89018-03, May 2024

The following updates are made in this release.

- Added common services load lineup details in the [Common Services Load Lineup](#) section.
- Added orchestration details in the [Orchestration](#) section.
- Added new feature information in the [OSO Features](#) section.
- Added upgrade paths in the [Supported Upgrade and Rollback Paths](#) section.

Release 23.4.4- F89018-02, April 2024

The following updates are made in this release.

- Added compatibility matrix details in the [Compatibility Matrix](#) section.
- Added common services load lineup details in the [Common Services Load Lineup](#) section.
- Added orchestration details in the [Orchestration](#) section.
- Added new feature information in the [OSO Features](#) section.
- Added upgrade paths in the [Supported Upgrade and Rollback Paths](#) section.

Release 23.4.0- F89018-01, December 2023

The following updates are made in this release.

- Added compatibility matrix details in the [Compatibility Matrix](#) section.
- Added common services load lineup details in the [Common Services Load Lineup](#) section.
- Added orchestration details in the [Orchestration](#) section.
- Added new feature information in the [OSO Features](#) section.
- Added upgrade paths in the [Supported Upgrade and Rollback Paths](#) section.

1

Introduction

The purpose of this document is to highlight the changes made in Oracle Communications Operations Services Overlay (OSO) from release 23.3.1 to release 23.4.x. These changes may have an impact on the customer network operations and must be considered by the customer while planning the deployment.

1.1 Compatibility Matrix

This section lists the versions of added or updated components in release 23.4.x. To know the list of all the supported versions, see *Oracle Communications Cloud Native Core Release Notes*.

Release 23.4.5

There are no changes made in this release.

Release 23.4.4

There are no changes made in this release.

Release 23.4.0

The following table lists the versions of added or updated components in release 23.4.0.

Table 1-1   Compatibility Matrix

Component	Compatibility Version
Kubernetes	• 1.27.x • 1.26.x

1.2 Common Services Load Lineup

This section lists the versions of added or updated common services in release 23.4.x. To know the list of all the supported versions, see *Oracle Communications Cloud Native Core Release Notes*.

Release 23.4.5

The following table lists the versions of added or updated common services in release 23.4.5.

Table 1-2   Common Services Load Lineup

Common Services	Versions
23_4_common_pod:latest	23_4_common_pod:23.4.5

Release 23.4.4

The following table lists the versions of added or updated common services in release 23.4.4.

Table 1-3   Common Services Load Lineup

Common Services	Versions
Prometheus	0.50.1
configmapreload	0.12.0
common_pod	23_4_common_pod:latest

Release 23.4.0

The following table lists the versions of added or updated common services in release 23.4.0.

Table 1-4   Common Services Load Lineup

Common Services	Versions
AlertManager	0.26.1
nginx	1.9.4

1.3 Orchestration

This section provides information about orchestration changes in release 23.4.x.

Release 23.4.5

The following table provides information about orchestration changes in release 23.4.5.

Table 1-5   Orchestration changes

Orchestration Changes (From Release 23.4.4 to 23.4.5)	Status	Notes
Support for in-service upgrade	Yes	For information about upgrade, see Supported Upgrade and Rollback Paths.
Changes in the `custom_values.yaml` file	Yes	Renamed the `ocoso_csar_23_4_5_0_0_custom_values.yaml` file name.
Changes in the resource information for `custom_values.yaml` file	NA	Not applicable
Changes in the CSAR package	No	No changes in the CSAR package.
Changes in Role-Based Access Control (RBAC) policy	No	No RBAC policies are added.
Changes in Life Cycle Management (LCM) Operations	No	No changes are made in LCM Operations.

Table 1-5   (Cont.) Orchestration changes

Orchestration Changes (From Release 23.4.4 to 23.4.5)	Status	Notes
Helm Test Support	Yes	OSO supports Helm Test. For more information, see "Installing using CSAR" section in *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.4

The following table provides information about orchestration changes in release 23.4.4.

Table 1-6   Orchestration changes

Orchestration Changes (From Release 23.4.0 to 23.4.4)	Status	Notes
Support for in-service upgrade	Yes	For information about upgrade, see [Supported Upgrade and Rollback Paths]().
Changes in the `custom_values.yaml` file	Yes	Renamed the `ocoso_csar_23_4_4_0_0_custom_values.yaml` file name.
Changes in the resource information for `custom_values.yaml` file	NA	Not applicable
Changes in the CSAR package	No	No changes in the CSAR package.
Changes in Role-Based Access Control (RBAC) policy	No	No RBAC policies are added.
Changes in Life Cycle Management (LCM) Operations	No	No changes are made in LCM Operations.
Helm Test Support	Yes	OSO supports Helm Test. For more information, see "Installing using CSAR" section in *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.0

The following table provides information about orchestration changes in release 23.4.0.

Table 1-7   Orchestration changes

Orchestration Changes (From Release 23.3.1 to 23.4.0)	Status	Notes
Support for in-service upgrade	Yes	For information about upgrade, see [Supported Upgrade and Rollback Paths]().
Changes in the `custom_values.yaml` file	Yes	Renamed the `ocoso_csar_23_4_0_0_0_custom_values.yaml` file name.

Table 1-7   (Cont.) Orchestration changes

Orchestration Changes (From Release 23.3.1 to 23.4.0)	Status	Notes
Changes in the resource information for `custom_values.yaml` file	NA	Not applicable
Changes in the CSAR package	No	No changes in the CSAR package.
Changes in Role-Based Access Control (RBAC) policy	No	No RBAC policies are added.
Changes in Life Cycle Management (LCM) Operations	No	No changes are made in LCM Operations.
Helm Test Support	Yes	NOSO supports Helm Test. For more information, see "Installing using CSAR" section in *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

2
OSO Features

This chapter lists the added or updated features in release 23.4.x. For more information about the features, see *Oracle Communications Operations Services Overlay User Guide*.

Release 23.4.5

Oracle Communications Operations Services Overlay 23.4.5 has been updated with the following enhancements:

- the version of 23_4_common_pod is updated to 23.4.5.
- OSO roll back is supported to previous versions.

For more information, see *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.4

Oracle Communications Operations Services Overlay 23.4.4 has been updated with the following enhancements:

Support for new versions:

- Prometheus version is uplifted from version 0.26.1 to 0.50.1
- configmap-reload version is uplifted from v0.8.0 to configmapreload 0.12.0.
- nginx controller is replaced with 23_4_common_pod.

For more information, see *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.0

Oracle Communications Operations Services Overlay 23.4.0 has been updated with the following enhancements:

Support for new versions:

- AlertManager version is uplifted from version 0.25 to 0.26.1.
- nginx version is uplifted from v1.5.1 to 1.9.4.

For more information, see *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

3

Supported Upgrade and Rollback Paths

This chapter lists the supported upgrade and rollback paths in release 23.4.x. For more information about upgrade, see *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.5

Supported Upgrade Path

The following table lists the supported upgrade path in release 23.4.5.

Table 3-1   Supported Upgrade Paths

Source release	Target release
23.4.4, 23.4.0	23.4.5
23.3.1	23.4.5

Supported Rollback Path

The following table lists the supported rollback path in release 23.4.5.

Table 3-2   Supported Rollback Paths

Source release	Target release
23.4.5	23.4.4, 23.4.0
23.4.5	23.3.1

Release 23.4.4

Supported Upgrade Path

The following table lists the supported upgrade path in release 23.4.4.

Table 3-3   Supported Upgrade Paths

Source release	Target release
23.4.0	23.4.4
23.3.1	23.4.4

Supported Rollback Path

The following table lists the supported rollback path in release 23.4.4.

Table 3-4   Supported Rollback Paths

Source release	Target release
23.4.4	23.4.0

Table 3-4   (Cont.) Supported Rollback Paths

Source release	Target release
23.4.4	23.3.1

Release 23.4.0

Supported Upgrade Path

The following table lists the supported upgrade path in release 23.4.0.

Table 3-5   Supported Upgrade Paths

Source release	Target release
23.3.1	23.4.0

Supported Rollback Path

Rollback is not supported to previous releases.

4
Configuration

This chapter lists the configuration changes in release 23.4.x.

4.1 Helm

This section lists the Helm parameter changes in release 23.4.x. For more information about the Helm parameters, see *Oracle Communications Operations Services Overlay Installation and Upgrade Guide*.

Release 23.4.5

There are no changes in the Helm parameters in this release.

Release 23.4.4

There are no changes in the Helm parameters in this release.

Release 23.4.0

There are no changes in the Helm parameters in this release.

5
Observability

This chapter lists the observability changes in release 23.4.x.

5.1 Metrics

This section lists the added or updated metrics in release 23.4.x. For more information about metrics, see *Oracle Communications Operations Services Overlay User Guide*.

Release 23.4.5
There are no updates to metrics in this release.

Release 23.4.4
There are no updates to metrics in this release.

Release 23.4.0
There are no updates to metrics in this release.

5.2 Alerts

This section lists the added or updated alerts in release 23.4.x. For more information about alerts, see *Oracle Communications Operations Services Overlay User Guide*.

Release 23.4.5

There are no updates to alerts in this release.

Release 23.4.4

There are no updates to alerts in this release.

Release 23.4.0

There are no updates to alerts in this release.