

Oracle® Session Delivery Management Cloud

What's New



F33317-18
November 2024



Oracle Session Delivery Management Cloud What's New,

F33317-18

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About This Guide

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) What's New Guide provides a list of features new to this release, as well as Known Issues.

The following table describes the documentation set for this release.

Document Name	Document Description
Getting Started Guide	Contains conceptual and procedural information for system provisioning and software installations.
Users Guide	Contains information about the administration and software configuration of the OSDMC.
Security Guide	Contains information about security considerations and best practices from a network and application security perspective.
What's New	Contains a list of new features for a specific release as well as Known Issues pertaining to the release.

My Oracle Support

My Oracle Support (<https://support.oracle.com>) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with My Oracle Support registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service Request.
2. Select 3 for Hardware, Networking, and Solaris Operating System Support.
3. Select one of the following options:
 - For technical issues such as creating a new Service Request (SR), select 1.
 - For non-technical issues such as registration or assistance with My Oracle Support, select 2.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) site, <http://docs.oracle.com>. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at <http://www.adobe.com>.

1. Access the Oracle Help Center site at <http://docs.oracle.com>.
2. Click **Industries**.
3. Under the Oracle Communications sub-header, click the **Oracle Communications documentation** link.
The Communications Documentation page appears. Most products covered by these documentation sets appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
4. Click on your Product and then Release Number.
A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the **PDF** link, select **Save target as** (or similar command based on your browser), and save to a local folder.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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What's New

Learn about the new features and enhancements to the Oracle Session Delivery Management Cloud.

Topics:

- Release 24D - November 2024 Updates
- Release 24C - August 2024 Updates
- Release 24A - February 2024 Updates
- Release 23C - August 2023 Updates
- Release 23A - May 2023 Updates
- Release 23A - February 2023 Updates
- Release 22D - November 2022 Updates
- Release 20C - July 2022 Updates
- Release 20C - March 2022 Updates
- Release 20C - July 2021 Updates
- Release 20C - April 2021 Updates
- Release 20C - January 2021 Updates
- Release 20C - October 2020 Updates
- Release 20C - Initial Release - July 2020

Release 24D - November 2024 Updates

The following tables describe the new features and enhancements delivered in this Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) release.

New Features

Features	Description
FCAPS Support for Enterprise Communications Broker (ECB)	Oracle SDM Cloud supports FCAPS for ECB on the NNOSVM platform. For a complete list of supported ECB software versions, see <i>Network Function Model Support</i> .

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE
November 2024	Oracle SDM Cloud 24.3.0.0.0	Management Cloud Engine 24.3.0.0.0

For information on upgrading the MCE, see the *Getting Started* guide.

Supported Browsers

The Oracle SDM Cloud has been tested with the following web browsers and versions:

- Chrome Version 126.0.6478.127 (Official Build) (64-bit)

 **Note:**

Oracle recommends using the latest version of Chrome.

- Firefox 128.0 (64-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915

Network Function Category	Supported Network Functions
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ330p8 • PCZ330p9 • PCZ330p10 • PCZ400 • PCZ400p2 • PCZ400p3 • PCZ400p5 • PCZ400p6 • PCZ400p8 • PCZ410 • PCZ410p1 • PCZ410p2 • PCZ410p4 • PCZ420


Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ900p10 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5 • SCZ910p7 • SCZ910p8 • SCZ910p10 • SCZ920 • SCZ920p1 • SCZ920p2 • SCZ920p3 • SCZ920p4 • SCZ920p5 • SCZ920p7 • SCZ930 • SCZ930p2 • SCZ930p3

 **Note:**

- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.
- Any SBC or ESBC patch releases available on or before the latest release or patch mentioned above will be supported by Oracle SDM Cloud.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

The targeted devices does NOT have R226 enabled	<ul style="list-style-type: none">• Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3• Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4• Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
The targeted device has R226 enabled	<ul style="list-style-type: none">• Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0• Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div data-bbox="966 766 1469 1134" style="border: 1px solid #0070C0; padding: 10px;"><p> Note:</p><p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p></div> <ul style="list-style-type: none">• Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 24C - August 2024 Updates

The following tables describe the new features and enhancements delivered in this Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) release.

New Features

Features	Description
Northbound Trap Forwarding	The Oracle SDM Cloud supports trap forwarding to northbound trap receivers using the Management Cloud Engine (MCE) for traps received from managed NFs as well as the traps generated by the Oracle SDM Cloud itself. For more information, see "Manage Trap Receivers" in the User Guide.
Add Device to Device Manager and Configuration Manager Simultaneously	Oracle SDM Cloud now supports adding a device to the Device Manager and Configuration Manager simultaneously. For more information, see "Add a Network Function with Devices" in the User Guide.
Dashboard Autorefresh	The Oracle SDM Cloud dashboard contains a new AutoRefresh icon, allowing users to set a time interval at which the Oracle SDM Cloud refreshes all data within each portlet of the dashboard. For more information, see "The Dashboard Page" in the User guide.
Load Shedding for Standalone Devices and HA Pairs	During the Add NF Upgrade Work Order, the Oracle SDM Cloud supports load shedding for standalone devices and HA pairs. For more information, see "Add NF Upgrade Work Order", "Work Flow" in the User Guide.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE
August 2024	Oracle SDM Cloud 24.2.0.0.0	Management Cloud Engine 24.2.0.0.0

For information on upgrading the MCE, see the *Getting Started* guide.

Supported Browsers

The Oracle SDM Cloud has been tested with the following web browsers and versions:

- Chrome Version 126.0.6478.127 (Official Build) (64-bit)

Note:

Oracle recommends using the latest version of Chrome.

- Firefox 128.0 (64-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ330p8 • PCZ330p9 • PCZ330p10 • PCZ400 • PCZ400p2 • PCZ400p3 • PCZ400p5 • PCZ400p6 • PCZ400p8 • PCZ410 • PCZ410p1 • PCZ410p2 • PCZ410p4 • PCZ420

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ900p10 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5 • SCZ910p7 • SCZ910p8 • SCZ910p10 • SCZ920 • SCZ920p1 • SCZ920p2 • SCZ920p3 • SCZ920p4 • SCZ920p5 • SCZ920p7 • SCZ930




Note:

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.
- Any SBC or ESBC patch releases available on or before the latest release or patch mentioned above will be supported by Oracle SDM Cloud.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
<p>The targeted device has R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div data-bbox="966 764 1463 1136" style="border: 1px solid #0070C0; padding: 10px; background-color: #E6F2FF;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div> <ul style="list-style-type: none"> • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 24A - February 2024 Updates

The following tables describe the new features and enhancements delivered in this Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) release.

New Features

Features	Description
LRT Search and Replace and Route Set Search Filters	The Route Manager has been updated to support LRT Search and Replace functionality, as well as support to create, save, and manage Route Set search filters. For more information, see <i>Manage Route Set Search Filters</i> and <i>Search and Replace Routes</i> in the <i>User Guide</i> .
Metric for Customer PDB Usage	Oracle SDM Cloud supports a new portlet, displaying customer PDB usage. Additionally, the Device Status portlet has been modified and the Management Status portlet has been removed. For more information, see <i>The System Health Dashboard</i> in the <i>User Guide</i> .
Oracle Linux, Podman, and TLSv1.3 Support	Oracle SDM Cloud made the following updates: <ul style="list-style-type: none"> • OL7 has been replaced by OL8. • Docker has been replaced by Podman. • Oracle SDM Cloud now supports TLSv1.3. For more information, see the <i>Getting Started</i> and <i>Security</i> guides.
Access Control List Support	Oracle SDM Cloud now supports Access Control Lists (ACLs), which manage what users can and cannot view, edit, and manage. Users now only have access to that content to which they, or a member of the group to which they belong, have created or last updated or access to the respective devices to which the content is associated.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE
February 2024	Oracle SDM Cloud 24.1.0.0.0	Management Cloud Engine 24.1.0.0.0

For information on upgrading the MCE, see the *Getting Started* guide.

Supported Browsers

The Oracle SDM Cloud has been tested with the following web browsers and versions:

- Chrome Version 121.0.6167.139 (Official Build) (64-bit)

 **Note:**

Oracle recommends using the latest version of Chrome.

- Firefox 122.0 (64-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ330p8 • PCZ330p9 • PCZ330p10 • PCZ400 • PCZ400p2 • PCZ400p3 • PCZ410 • PCZ410p1

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ900p10 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5 • SCZ910p7 • SCZ910p8 • SCZ920 • SCZ920p1 • SCZ920p2 • SCZ920p3 • SCZ930




Note:

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3
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	<ul style="list-style-type: none"> • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
<p>The targeted device has R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div data-bbox="966 640 1463 1008" style="border: 1px solid #0070C0; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div> <ul style="list-style-type: none"> • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 23C - August 2023 Updates

The following tables describe the new features and enhancements delivered in this Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) release.

New Features

Features	Description
Multi-Dimensional KPI Support	For devices that are managed under Device Manager and added under Configuration Manager, Oracle SDM Cloud is able to fetch multi-dimensional Key Performance Indicators (KPIs) for a selected device based on the product type, platform, and software version. For more information on Multi-Dimensional KPI Support, see "Fetch KPIs For a Device" in the <i>User Guide</i> .
Golden Configuration Comparison	Oracle SDM Cloud supports the use of golden configurations. A golden configuration is a baseline configuration known to work well. It is used to compare other configurations and report any errors or discrepancies. For more information on golden configurations, see "Manage Golden and Offline Configurations" in the <i>User Guide</i> .
Bi-Directional Communication Over Web Sockets	Oracle SDM Cloud supports bi-directional communication over web sockets with Management Cloud Engine (MCE), meaning the Cloud Communication Service (CCS) component is no longer required. All references to the CCS component have been removed. For updated installation instructions, see <i>Getting Started</i> .

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE
August 2023	Oracle SDM Cloud 23.2.0.0.0	Management Cloud Engine 23.2.0.0.0

For information on upgrading the MCE, see the *Getting Started* guide.

Supported Browsers

The Oracle SDM Cloud has been tested with the following web browsers and versions:

- Chrome Version 114.0.5735.106 (Official Build) (64-bit)

 **Note:**

Oracle recommends using the latest version of Chrome.

- Firefox 112.0 (64-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ330p8 • PCZ330p9 • PCZ400 • PCZ400p2 • PCZ400p3 • PCZ410

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5 • SCZ920 • SCZ920p1

 **Note:**

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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The targeted device has R226 enabled

- Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0
- Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4

 **Note:**

When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.

- Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 23A - May 2023 Updates

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
May 2023	Oracle® Session Delivery Management Cloud 23.1.1.0.0	Management Cloud Engine 23.1.1.0.0	Cloud Communication Service 1.9.0.0.0

For information on upgrading the MCE and CCS, see the *Getting Started* guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)
- Firefox 68.12.0esr (32-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none">• LCX150• LCX150m1• SCZ740• SCZ740m1• SCZ740m2• SCZ741• SCZ741m1• SCZ800• SCZ810• SCZ810m1• SCZ810m1p6• SCZ810m1p25• SCZ825• SCZ825p3• SCZ845• SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none">• ECZ730• ECZ730m1• ECZ730m2p1• ECZ730m3• ECZ730p2• ECZ740p1• ECZ750• ECZ800• ECZ810• ECZ810m1• ECZ810m1p25• PCZ300• PCZ310• PCZ320• PCZ330• PCZ330p1• PCZ330p3• PCZ330p4• PCZ400• PCZ400p2

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5 • SCZ920



Note:

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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The targeted device has R226 enabled

- Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0
- Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4

 **Note:**

When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.

- Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 23A - February 2023 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 23A February 2023 updates.

New Features

Features	Description
Email Notification	The Oracle SDM Cloud now supports the sending of notification emails, allowing you to set notification criteria for Events and Alarms. See "Administration Navigation" in the User's Guide.
Alarm Auto Refresh	The Fault Manager, Alarms page now supports an automatic refresh feature, allowing you to set a time increment at which the page will automatically refresh itself. See "Manage Page View for Alarms" in the User's Guide.

Features	Description
Export Configuration from Configuration Archive	The Oracle SDM Cloud now allows you to export an archived configuration from the Configuration Archive to view locally. See "Export a Configuration From the Configuration Archive" in the User's Guide.
Search on Device and Configuration Manager	You can now search for a device from within the Device Manager and Configuration Manager. See "Manage Network Functions" and "Manage Device Configurations" in the User's Guide.
Interface Updates	The 23A February 2023 release has some minor differences in the location and design of the controls you use to access and update the Oracle SDM Cloud. The following lists the interface updates: <ul style="list-style-type: none"> • The addition of the Administrations navigation in the slider menu. • The Dashboard Designer page now contains the Set Columns button, allowing you to select which columns are displayed in the table. • The order and look in which the buttons and icons appear on several pages have been updated. • The Refresh button has now been updated to appear as an icon on several pages. • The Expand All and Collapse All buttons have now been updated to appear as an icon on several pages. When the selections in the table are collapsed down, the Expand All icon displays and when the selections in the table are expanded, the Collapse All icon displays.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
February 2023	Oracle® Session Delivery Management Cloud 23.1.0.0.0	Management Cloud Engine 23.1.0.0.0	Cloud Communication Service 1.9.0.0.0

For information on upgrading the MCE and CCS, see the *Getting Started* guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)
- Firefox 68.12.0esr (32-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ400 • PCZ400p2

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p14 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p6 • SCZ900p7 • SCZ910 • SCZ910p3 • SCZ910p4 • SCZ910p5



Note:

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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The targeted device has R226 enabled

- Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0
- Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4

 **Note:**

When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.

- Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.

 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 22D - November 2022 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 22D November 2022 updates.

New Features

Features	Description
Interface Updates	<p>The 22D November 2022 release changes the look of the user interface to better align with Oracle's current styles and standards. Although much of the navigation and operations remains the same, some minor differences occur in the location and design of the controls you use to access and update the Oracle SDM Cloud. The following lists the interface updates:</p> <ul style="list-style-type: none"> • The addition of the Set Columns button, which allows the user to select the columns to be displayed in each table in the interface. • On the Managed Devices page, the Move action has been moved from beneath the Admin tab to the More Actions icon. • On the Offline Configuration Spreadsheets page, the Generate Template action now appears under the More Actions icon. • On the Manage Routes page, the Manage Routes action now appears under the More Actions icon.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
November 2022	Oracle® Session Delivery Management Cloud 22.1.0.0.0	Management Cloud Engine 22.1.0.0.0	Cloud Communication Service 1.8.0.0.0

For information on upgrading the MCE and CCS, see the *Getting Started* guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 105.0.5195.52 (Official Build) (64-bit)
- Firefox 106.0.2 (64-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845 • SCZ915
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1 • PCZ330p3 • PCZ330p4 • PCZ400

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ840p11 • SCZ840p12 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ900p4 • SCZ910 • SCZ910p1 • SCZ910p2


 **Note:**

- For ECB releases, Oracle SDM Cloud provides only Fault Management and not full FCAPS support.
- Any software versions or platforms listed above are not supported by Oracle SDM Cloud if they are EOL.

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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<p>The targeted device has R226 enabled</p>	<ul style="list-style-type: none"> Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div style="border: 1px solid #0070C0; padding: 5px; margin: 10px 0;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div> <ul style="list-style-type: none"> Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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For more information on downgrading software versions, contact your Oracle representative.

Release 20C - July 2022 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C July 2022 updates.

New Features

Features	Description
Cross-Site Deployment	<p>The Oracle SDM Cloud now supports the multi-site model, providing redundancy by allowing managed sites and their Network Functions (NF)s be associated with multiple MCE sites.</p> <p>See "Multi-Site Model Support" in the User's Guide.</p>
Recent Call Filter Update	<p>Define the Recent Calls time range length, in seconds, from the current time stamp or from the start time stamp set in filter criteria.</p> <p>See "Manage Mediation Engine Recent Call Access" in the User's Guide.</p>

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
July 2022	Oracle® Session Delivery Management Cloud 22.0.0.0.1	Management Cloud Engine 1.6.0.0.0	Cloud Communication Service 1.7.0.0.0

For information on upgrading the MCE, see "Upgrading the MCE" in the Getting Started guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)
- Firefox 68.12.0esr (32-bit)

Network Function Model Support


Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1


Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ840p10 • SCZ900 • SCZ900p2 • SCZ900p3 • SCZ910

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

The targeted devices does NOT have R226 enabled	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
The targeted device has R226 enabled	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4

	<p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> <ul style="list-style-type: none"> • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
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 **Note:**

For more information on downgrading software versions, contact your Oracle representative.

Release 20C - March 2022 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C March 2022 updates.

New Features

Features	Description
Device Configuration Work Order	The Oracle SDM Cloud now supports Device Configuration Work Orders, automating the process of delivering configuration changes to one or more Network Functions. See "Manage Offline Configurations" in the User's Guide.
LRT Management Enhancements	Updates the existing LRT support to include the following: <ul style="list-style-type: none"> • Creating a copy of an existing LRT file • Creating a copy of an existing route within a route set • Adding Weight and Priority parameters to routes. See "Route Sets" in the User's Guide.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
March 2022	Oracle® Session Delivery Management Cloud 20.5.0	Management Cloud Engine 1.5.0.0.0	Cloud Communication Service 1.6.0.0.0

For information on upgrading the MCE, see "Upgrading the MCE" in the Getting Started guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)
- Firefox 68.12.0esr (32-bit)


Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ900 • SCZ910

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
<p>The targeted device has R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div data-bbox="966 1486 1464 1856" style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div>

- Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.



Note:

For more information on downgrading software versions, contact your Oracle representative.

Release 20C - July 2021 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C July 2021 updates.

New Features

Features	Description
Route Manager Support	The Route Manager allows the Network Function (NF) to determine next-hops and map E164, String, or Range to SIP URIs locally for routing determination and flexibility. By creating route sets, which can be used to generate XML Local Route Table (LRT) files, the user can push LRT updates to devices using the Oracle SDM Cloud's Work Orders functionality. See "Route Table Manager" and "Work Order Management" in the User's Guide.
Mediation Engine Recent Call Access	For users with Mediation Engine (ME) Recent Call Access, User Management permissions, users can enable or disable access to ME Recent Calls under the Monitoring Manager, Admin slider. See "Manage Mediation Engine Recent Call Access" in the User's Guide.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
July 2021	Oracle® Session Delivery Management Cloud 20.4.0	Management Cloud Engine 1.4.0.0.2	Cloud Communication Service 1.2.1.0.0

For information on upgrading the MCE, see "Upgrading the MCE" in the Getting Started guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)


- Firefox 68.12.0esr (32-bit)

Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3 • SCZ845
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330 • PCZ330p1
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ830m1p13 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4 • SCZ840p5 • SCZ900

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

<p>The targeted devices does NOT have R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4 • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.
<p>The targeted device has R226 enabled</p>	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div data-bbox="966 766 1469 1134" style="border: 1px solid #0070C0; padding: 10px; background-color: #E6F2FF;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div> <ul style="list-style-type: none"> • Release versions from S-Cz8.4.0p4 can be upgraded to release version S-Cz9.0.0.



Note:

For more information on downgrading software versions, contact your Oracle representative.

Release 20C - April 2021 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C April 2021 updates.

New Features

Features	Description
Network Function Software Upgrade	The Oracle SDM Cloud supports automated device node (NF) software upgrade across multiple NFs. See "Manage Software Upgrade" and "Work Order Management" in the User's Guide.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
April 2021	Oracle® Session Delivery Management Cloud 20.3.0	Management Cloud Engine 1.3.0.0.0	Cloud Communication Service 1.2.1.0.0

For information on upgrading the MCE, see "Upgrading the MCE" in the Getting Started guide.

Supported Browsers

The Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) has been tested with the following web browsers and versions:

- Chrome Version 85.0.4183.102 (Official Build) (64-bit)
- Firefox 68.12.0esr (32-bit)


Network Function Model Support

Network Function Category	Supported Network Functions
SP Edge & Core	<ul style="list-style-type: none"> • LCX150 • LCX150m1 • SCZ740 • SCZ740m1 • SCZ740m2 • SCZ741 • SCZ741m1 • SCZ800 • SCZ810 • SCZ810m1 • SCZ810m1p6 • SCZ810m1p25 • SCZ825 • SCZ825p3
Enterprise Edge & Core	<ul style="list-style-type: none"> • ECZ730 • ECZ730m1 • ECZ730m2p1 • ECZ730m3 • ECZ730p2 • ECZ740p1 • ECZ750 • ECZ800 • ECZ810 • ECZ810m1 • ECZ810m1p25 • PCZ300 • PCZ310 • PCZ320 • PCZ330

Network Function Category	Supported Network Functions
Shared by Both SP Edge & Core and Enterprise Edge & Core	<ul style="list-style-type: none"> • SCZ820 • SCZ830 • SCZ830m1 • SCZ830m1p8 • SCZ830m1p10 • SCZ840 • SCZ840p2 • SCZ840p3 • SCZ840p4

NF Software Upgrade Information

The following upgrade paths for Network Function (NF) software (for example, SBC) are qualified and supported by the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) NF Upgrade feature:

The targeted devices does NOT have R226 enabled	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.4.0p3 • Release versions from S-Cz8.0.0 to S-Cz8.4.0p3 can be upgraded to release version S-Cz8.4.0p4
The targeted device has R226 enabled	<ul style="list-style-type: none"> • Release versions from S-Cz7.4.0 to S-Cz7.4.1 can be upgraded to release versions from S-Cz8.0.0 to S-Cz8.3.0 • Release versions from S-Cz8.0.0 to S-Cz8.3.0 can be upgraded to release version S-Cz8.4.0p4 <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>When R226 is enabled, releases from S-Cz8.4.0 to S-Cz8.4.0p3 cannot be upgraded to S-Cz8.4.0p4 as these releases do not have the required remote access support required by Oracle SDM Cloud, which was added in S-Cz8.4.0p4.</p> </div>



Note:

For more information on downgrading software versions, contact your Oracle representative.

Release 20C - January 2021 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C January 2021 updates.

On-Premises Software Compatibility

The following table displays the on-premises components used by the Oracle SDM Cloud and shows which component versions are compatible with one another.

Release Date	Oracle SDM Cloud Release	MCE	CCS
January 2021	Oracle® Session Delivery Management Cloud 20.2.0	Management Cloud Engine 1.2.0.0.0	Cloud Communication Service 1.2.0.0.0

For information on upgrading the MCE, see "Upgrading the MCE" in the Getting Started guide.

New Features

Features	Description
Recent Calls Ladder Diagram	The Oracle SDM Cloud now supports the Monitoring Manager, which allows you to monitor OCSM Recent Calls, and further, view ladder diagrams per each call. See "Monitoring Manager" in the User's Guide.
Monitoring CCS Health Status	The Oracle SDM Cloud now monitors CCS Health Status, in addition to MCE in the Device Status portlet. See "The System Health Dashboard" in the User's Guide.

Release 20C - October 2020 Updates

The following tables describe the new features and enhancements delivered in the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) 20C October updates.

New Features

Features	Description
OCSM ME Support	You can now add the OCSM ME to Oracle SDM Cloud's Device Manager. See "Add a Mediation Engine Network Function with Devices" in the User's Guide.
Portlet Designer	The Oracle SDM Cloud now provides a Portlet Designer, allowing you to design and build portlets that can then be used to build customized dashboards. See "Designing Custom Portlets" in the User's Guide.

Features	Description
Dashboard Designer	The Oracle SDM Cloud now provides a Dashboard Designer, allowing you to design and build multiple custom dashboards. See "Designing Custom Dashboards" in the User's Guide.

Release 20C - Initial Release - July 2020

Feature	Description
Oracle Session Delivery Management Cloud	Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) is a cloud native management solution for managing Session Delivery product portfolio of Network Functions (NF). Oracle SDM Cloud provides Fault management, Configuration management, Auditing, Performance Monitoring, and Security management for the Oracle Session Delivery NF. Oracle SDM Cloud consistently monitors and reports on the health of the NF devices, as well as, monitoring Key Performance Indicators (KPI) and extended data sources to access the efficiency of the networks. In addition, it provides detection, reports and allows corrective actions to be applied in a timely manner to ensure a high level of service is maintained for users networks.

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Known Issues and Caveats

The following topics list the known issues and caveats for this release.

Known Issues

Oracle recommends that you review the following information about Known Issues before using the Oracle Session Delivery Management Cloud. The Known Issues topic describes issues that Oracle is aware of and may address in a future release. Known Issues contain workarounds, when available.

Configuration Comparison Report Display Issue

When you display a configuration comparison report, data in the source and target are not aligned side-by-side properly under the following circumstances:

- When a new top-level element is added to a target Offline Configuration without a spreadsheet.
- When the source is seeded or reseeded from an Offline Configuration without a spreadsheet, that has a newly created top-level element.

Character Limit For Golden Configuration Comparison Target

In a golden configuration comparison, if the target for the comparison is a device configuration file, the Oracle SDM Cloud limits the name of the data doc file to 50 characters.

Offline Configuration Delete and Add Again

When an Offline Configuration is deleted from any element type, and you try to recreate the entry again with the same name, same element type, but different parameters, and push the changes in a Work Order, the Oracle SDM Cloud does not add the newly created Offline Configuration.

Workaround: Edit the existing entry instead of deleting it and trying to add it back.

Mediation Device Edits

When editing a Mediation (ME) Device, users cannot select a different timezone due to the drop-down list not appearing.

Workaround: Manually remove and re-add the Network Function (NF) to enter values properly.

Network Function Properties

There are some Network Function (NF) properties that, once configured upon being added to the device, cannot be edited. These include the following:

- SNMP mode
- SNMPv3 authentication protocol
- SNMPv3 privacy protocol
- time zone

Workaround: If you need to change these values, you must remove and re-add the NF.

Adding Large Number Of NFs Causing Timeout

When adding a large number of NFs in Configuration Manager, a timeout may occur. To avoid this situation, Oracle recommends adding only 10 NFs at a time.

Data Variable Loss

When using the Offline Configuration feature, the undo option may result in a Data Variable being incorrectly removed. You must re-add the Data Variable.

Firefox Browser Issue

When using the Firefox browser, upon logging out, the user is not directed to the Oracle Cloud Login Page. Clicking the browser's reload button corrects the issue.

Elements Inaccurately Accessible With Oracle Communications Subscriber-Aware Load Balancer

When configuring an Oracle Communications Subscriber-Aware Load Balancer (SLB), some elements may still be accessible that the SLB does not support. When trying to save to the SLB, the device will error out and you can go and remove those elements not supported from the modifications made in Configuration Manager.

Resolved Known Issues

The following issues were resolved in the 24C - July 2024 release:

- Unable to create scheduled archive if local time is behind the UTC
- When a LRT Search is performed with a wildcard value for Pubid and Range, Replace All is not allowed
- Fault Manager is not processing ME traps into events
- Ability to select disabled device even when it has been disabled from the Admin page
- All spreadsheets associated with an Offline Configuration (OC) are deleted even if the OC is locked
- DVs are being deleted even when referenced by another DV
- The Preview Screen is not showing any value of a spreadsheet if that spreadsheet has any invalid input
- In Security Manager groups, when all sub item privileges are changed to Full, the group header page is incorrectly still showing as Partial
- Selected instance is not getting deleted from the Associated Configuration Instances table
- Refresh and Auto refresh is not working for Connectivity status and Average Concurrent Sessions
- Ability to remove device from device manager when that device is used by a work order already in ready/committed state
- In Firefox, the Find Next button is not enabled after the first search
- The Dashboard portlets are not displaying properly when expanded and refreshed
- Validations to check if SED formula contains pub id field is not working in case of import CSV

- In the Device and Config Manager, clicking the Refresh button removes the clearing the search criteria
- Buttons are incorrectly enabled when there is no data present for screens (Tools, Device Manager, Config Manager, Fault Manager, Audit Logs)
- In Monitoring Manager, Select Columns is not resetting after navigating away from the screen, and filters also stop working
- Work Order is failing when changes are made to both the local policy's source realm and policy-attribute attributes.
- In the Configuration Manager Devices page, many column values are displaying incorrectly.
- Device Manager's Search is getting reset when more columns are selected using Set Column
- On the Audit Log page, Device and Network function columns data are not displayed
- Update Filter by removing routesets is not working for LRT Search
- When a Duplicate trap receiver IP is pushed to device from DCWO or DeviceSaveActivate, Device is not responding until the timeout
- Incorrect error message displayed when user adds more than 50 subscriptions
- After searching in Device Manager or Configuration Manager, search criter is not displaying
- In Select Device page, unchecking a device leads to scrolling the page to the top
- Ability to provide end date less than start date in Search dialog box
- Lock button is enabled even when the device group has View only permissions
- Buttons are incorrectly enabled when a user selects a column name in an OC
- When an IDCS session expires, users can't access the interface without clearing cache or cookies

The following issues were resolved in the 24A - January 2024 release:

- NAT Support for Bi-Directional Communication Based on Web Sockets
- Incorrect Copyright in Product tab
- Incorrect Database Error Message When User Creates OC with Spaces
- From Select Device Screen, When All Devices Deselected, No Calls Must be Displayed
- Displaying Wrong Error Message When Dashboard Manager Access is NONE
- Default Device Groups Unable to Change Permissions
- Unable to Download Golden Config Saved Report When Source File is Deleted
- Sync Issues for Create, Reseed, and Compare GCC Report
- ASR KPI Not Displaying in Dashboard Manager for Hourly Filter
- Save Report Success Message for Golden Configuration Needs Update
- Import CSV Error Message During Delete Operation
- Unable to Change Permissions for Existing Offline and Golden Config Groups
- Unable to Remove Data Variable Element After Performing Search
- Unlock Device Success Message is Inaccurate

- Incorrect Error Appears on First Try to Create a Template
- When two MCEs use the same Site ID, the second MCE Displays as Unreachable
- Searching by Device in Recent Calls Page Displays Incorrect Error
- Latency Issues on Several GCC Screens
- Unable to Remove Device from Configuration Manager when Devices are Unreachable
- Auto Filter Not Working Properly in Spreadsheet Page
- Software Versions do Not Display for NNOSVM Platform when Creating Offline Configurations
- Cannot Create GCC Report for Offline Configuration Created from SBC HA Pair
- Incorrectly Able to Add Unlisted Trap Name for Notification Criteria

The following issues were resolved in the 23C - August 2023 release:

- Offline Configuration Not Displaying Error

The following issues were resolved in the 23A - May 2023 release:

- Export Configuration Issues for Oracle Communications Enterprise Session Border Controller Devices
- Mediation KPI Discrepancy After 4.4.0.1.0 Release Fresh Installation Issue

The following issues were resolved in the 23A - February 2023 release:

- Duplicate Records in Recent Call Table
- Events' SourceGroup-Id and Network Function Columns Not Populated
- Buttons in Work Orders Enabled Even With No Data
- Display Correct HA Status for Unreachable Devices
- No Error Message Adding or Editing Duplicate NFs in Spreadsheet
- Device Configuration Error When Loading Configuration Manager
- Cannot Add Route for Route Type Range
- Error with Configuration Not Displaying When Loading the Device in Configuration Manager
- Cannot Add More Than One Route for String and E164 Route Set Type
- Deleting Data Variable From the Element Not Deleting Data Variable from Page
- Audit Log Search not Working Only Selecting Field
- Configuration Archive, Archived Configuration and Spreadsheet Pages Buttons Incorrectly Enabled
- Routes Containing Same Start But Different End Values Pushed to Device as Single Route
- Work Order Device Search Not Working with HA Pair
- Audit Log Operation Field Value Not Retained in Search Box
- Deleting Single Element Type from Associate Configuration Instances is Deleting Complete Data Variable
- Devices Under Device Manager and Configuration Manager Producing Error
- Routes Inside Route Set Type Range Cannot Overlap Routes
- Fault and Configuration Archive Pages' Buttons Enabled in View Mode

- Device Configuration Archive Backup File Delete Operation Not Working

The following issues were resolved in the 20C - July 2022 release.

- Incorrect HTTP Status Code sent from CCSA to UMS
- Work Order Failure Due to Boolean Values
- Issue Adding Subelement for DC Work Order
- Blank TrapName Alarm
- Recent Call Historical Data Search Filter
- Monitor Manager Error Fetching Recent Calls
- Route Manager Fails to Add Route with Long Integer
- Incorrect Status for Offline Configuration Spreadsheet
- ME Device Status Update Issue
- Incorrectly Auto Filling Session Agent Ping Method for Offline Configuration
- Dialog box to confirm reboot action.
- Incorrect Status when Adding New Binding Variable
- Issue Removing NF with Multiple Work Orders Committed
- Device Connectivity Status Issue when Non-Polling Actions Performed
- HA Managed Device Inaccurately Reflecting the Active/Standby Status
- Monitor Manager Export Pcaps
- Incorrect Device Status
- Disable Edit Button on Realm-Config, Network-Interface

The following issues were resolved in the 20C - April 2021 release.

- Monitoring Manager Filter Issue
- Edit Filter Changes Not Retained
- Audit Log Sequence Number
- Edit Filter Changes Not Retained
- Monitoring Manager Timestamp Issue
- Loss of Information When Zooming In

Caveats and Limitations

The following information lists and describes the caveats and limitations for this release.

Oracle SDM Cloud Subscription Account

You cannot activate an Oracle® Session Delivery Management Cloud (Oracle SDM Cloud) subscription using the same Oracle cloud account used to activate an Oracle Communications Security Shield subscription.

Network Function Model Support S-Cz9.2.0 Limitation

Oracle SDM Cloud is able to configure **system-config**, **log-tls-key** even when 'FIPS or R226 Entitlement' is enabled. However the SBC indicates an error when **verify-config** is run.

Subscription Distribution Email List

When a distribution email list is added to a Subscription, all emails in the distribution list are activated for sending emails. When any member unsubscribes, the entire distribution list is deleted.

Offline Configuration Spreadsheet Limitations

- If you create a spreadsheets with no default value for a Data Variable (DV), Oracle SDM Cloud considers the spreadsheet "not configured". While going back and editing the DV to add a default value updates that value in the non-configured spreadsheet, it does not change the spreadsheet's configuration status.
Workaround: Create a new spreadsheet including the DV default values or manually configure the existing spreadsheets.
- When you edit a DV default value, the new value is not reflected in the existing configured spreadsheet automatically.
Workaround: Edit the existing spreadsheet, updating the DV value or generate a new spreadsheet.

Ladder Diagram Transfer Limitations

The Oracle SDM Cloud currently supports the transfer of on-premises SBC configuration files and ladder diagrams of only 1Mb or less.

Removed Caveats and Limitations

The caveats and limitations listed in this section are no longer applicable to the Oracle® Session Delivery Management Cloud (Oracle SDM Cloud).

BDB and PDB Sync Issues

Occasionally, the Berkeley Database (BDB) and Pluggable Databases (PDB) briefly out of sync, resulting in errors. When an offline configuration is created or copied, it is first stored in the BDB before being moved to the PDB. These errors can occur under the following circumstances:

- Creating, deleting, or copying offline configurations
- Creating a golden configuration based on an offline configuration
- Reseeding a golden configuration using an offline configuration
- Creating configuration comparison reports with offline configuration as the target

Workaround: Wait some time and retry.