A MITEL
PRODUCT
GUIDE

MiVoice MX-ONE

CPI News - Product Revision Information

Release 7.7
19/109 21-ASP 113 01 Uen AB

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Mitel
Powering connections

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CPI News in MiVoice MX-ONE 7.7 1

This document describes changes in the MiVoice MX-ONE documentation due to new and changed functionality in MiVoice MX-ONE 7.7. It also lists the Mitel re-branded product names versus the previous product names.

For detailed information on the MX-ONE Solution, see *MiVoice MX-ONE Solution Overview, MiVoice MX-ONE System Description* and other CPI documents.

Mitel Branding and Names 2

Branding

Note:
Some documents contain old names and brand, for example name of configuration files and links. These will be phased out over time.

Software Information 3

The following table lists the news in software information for the MX-ONE 7.7 system.

Software	Description
Operating System - SLES 12 Service Pack 5	Newer kernel
	Postgres
	openssl
	openssh
Application Server Update	Wildfly 24.1
Web Server	IPP Server 2.13
Hypervisor	Nutanix AHV V20220304.441 now supported
	VMware ESXi 6.7, 7.0, and 8.0 now supported
	Hyper-V now supported
	KVM support on Red Hat Enterprise Hypervisor 7.6 or later

New and Enhanced Features, MX-ONE 7.7

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This chapter contains the following sections:

This section provides information on the new and enhanced features for MiVoice MX-ONE 7.7 release.

4.1 NEWS and Changes in Documents, MX-ONE 7.7

This section provides information on the new and enhanced features for MiVoice MX-ONE 7.7 release.

Note:

For more information on the news and changes in document, refer to the CPI library. You can access the CPI library from the Mitel domain.

4.1.1 Adaptation of Mitel SIP Phone 6.4 on MX-ONE

Added the following functionalities to support Mitel 6900 SIP phones version 6.4.x in MiVoice MX-ONE:

- Support for TLS 1.3 in SIP for 69xxw phones.
- Ability to label primary lines with extension numbers.
- Added "To VM" context-sensitive key to 6915, 6920w, 6930w, 6940w, 6920, 6930, 6940, 6867, 6869, and 6873 phones.
- Displays A and B party numbers while ringing for MX-ONE group pickup keys.
- Deskphone to display A and B party numbers during ringing for group pickup keys with MX-ONE.
- Added support for sending encrypted RTCP-XR over TLS with an MPA solution.
- Added support of RTCP XR in TLS in the MX-ONE solution, excluding Teleworker.
- Added support for desktop requirements for the Call History Log function.

For more information, refer to the *Mitel 6800/6900 Series SIP Phones Administrator Guide*.

4.1.2 Cassandra Version Upgrade to 4.1.4

Cassandra in MX-ONE 7.7 is upgraded to Cassandra version 4.1.4.

For more information, refer to the following documents:

- *Capacity - Description*

- *Remove Server - Operational Directions*
- *Administrator Guide - Operational Directions*
- *Cassandra Database - Fault Location*
- *Technical Reference Guide, Unix commands, Command Description*
- *System Planning - Description*
- *Installing and Configuring - Installation Instructions*
- *Engineering Guidelines*
- *Virtualization and Public Cloud - Description*
- *System Database (Cassandra) - Description*

4.1.3 Central Call Log

4.1.3.1 Deskphone to Display Both A Party and B Party Numbers

This feature allows the user to see both A-party (caller) and B-party (callee) numbers during the phone ringing period. This feature only applies to color LCD models - that is 6920/30/40/20w/30w/40w/6867/6869/6873. For more information, refer to the *Technical Reference Guide, Unix Commands*.

4.1.3.2 Group Central Call History Log

MX-ONE Central Call History log function is for members who are part of a call pickup group or individual call pickup group. Supported services are group call pickup, individual pickup, and MNS pickup from a generic extension. This feature is for all devices where it is possible to display this information. The devices supporting this functionality are only SIP desk phones (Mitel 68xx/69xx) and MiCollab clients.

For more information, refer to the following documents:

- *Name and Number Log, Description*
- *Technical Reference Guide, Unix Commands*

4.1.3.3 Unconditional Diversion

A-party is calling B-party, which has configured unconditional forward to C-party. The B-party call history log shows incoming calls sent to the C-party. In this way, the B-party can find out if any call has been forwarded and ask the C-party for information about the call received while the forwarding has been active. For more information, refer to the *Technical Reference Guide, Unix Commands*.

4.1.4 CSTA Phase 3 Implementation

New functionalities are added to the existing CSTA phase 3 XML implementation. This implementation supports all the CSTA 1 functions.

For more information, refer to the following documents:

- *Feature Matrix*

- *Feature List - Description*
- *System - Description*
- *Commands in MX-ONE Service Node Command Description*
- *Technical Reference Guide, MML Parameters*
- *Voice Recording*
- *Technical Reference Guide, MML Commands*
- *Automatic call distribution, AC*
- *ISDN, H.323 and DPNSS Private Networking*
- *CSTA Phase III - Description*
- *IPv6 Support - Description*
- *Flexible Public CLI Number Configuration-Operational Directions*
- *SIP Private Networking*

4.1.5 Harmonizing Terminology

Harmonize the terminology regarding allowlist and denylist and use the terms consistently throughout the documentation. Adjustments have been made to the Service Node Manager (SNM) and the commands to align with the terminology. These changes have been made to ensure clarity and consistency in the user interface.

For more information, refer to the following documents:

- *Technical Reference Guide, Unix Commands*
- *External Directory with Denylisting - Operational Directions*
- *Feature List - Description*
- *Feature Matrix*
- *Installation and Configuration Guide for GX and EX Controller*
- *Fault Codes - Fault Tracing Directions*
- *Technical Reference Guide, MML Parameters*
- *System - Description*
- *Recorded Voice Announcement, RVA - Description*
- *CSTA Phase III - Description*
- *MX-ONE API, CSTA III - INTERFACE DESCRIPTION*

4.1.6 Modernization of PM/SNM Server-Side

The following functionalities are newly added:

- The split monolithic architecture of the PM server side is divided into microservices components. Each component is independently replaceable, upgradeable, and scalable.
- Implemented REST APIs to access the services from the front end or outside the application.
- Replaced old tech stack with the latest Java version.

For more information, refer to the following documents:

- *MX-ONE Provisioning Manager Deployment -Installation Instruction*
- *Provisioning Manager - Description*

- *Service Node Manager - Description*
- *PM End User Portal Description*
- *MX-ONE Provisioning Manager User Guide*
- *MX-ONE Provisioning Manager and MX-ONE Service Node Manager Web Services*
- *Fault Handling of MX-ONE Provisioning Manager*
- *MX-ONE Service Node Manager Fault Handling*
- *REST API- Description*

4.1.7 MX-ONE to Support and Prepare for the New TLU83/4

- Install and configure resources and users on the TLU83/4 similarly to the other TLU83 versions.
- Control and upgrade FW on the TLI83/4 in the same way as for other TLU83 boar versions.
- When the TLU83/4 is configured and operational, and the TLU83/4 is updated with its new FW, the user of the device connected to the TLU83/4 must not notice any changes compared to when connected to any other TLU83 board versions.
- TLU83/4 can function in 3U, 7U, and 1U chassis.
- TLU83/4 can co-exist with other TLU83 board versions in the same chassis/MGU.
- The new functionality for Trunk Dial-Tone detection can function on TLU83/4.

For more information, refer to the following documents:

- *Installing Hardware Overview - Installation Instruction*
- *Replacing, Expanding, and Mixing Line Interface Boards - Installation Instruction*
- *Installing Boards and Cabling - Installation Instructions*
- *Route Data, RO - Operational Directions*
- *Technical Reference Guide, MML Parameters*
- *Hardware Status and Reliability ASP 113 01 - R- STATE SURVEY*

4.1.8 MX-ONE Verification of 3U Chassis

Introduced the modified 3U Chassis that fulfills the environmental certification criteria. The built-in PSU is exchanged with other PSUs from the same supplier, which fulfills the power efficiency requirements.

For more information, refer to the *Safety and Environmental Information Guide*.

4.1.9 Obfuscation of Sensitive Data

Added functionality to anonymize sensitive data in the trace.

For more information, refer to the following documents:

- *Commands in MX-ONE Service Node Command Description*
- *Technical Reference Guide, Unix Commands*

4.1.10 REST APIs for the Extension Task

While managing an extension task, the PM communicates with SNM to get the following details:

- Add, Change, Remove, and View of the following:
  - Number Series
  - CSP
- Service to get the server(s) details, that is, LIM number(s)
- Add, Change, Remove, and View of the Authorization code(s)
- The following extension types have been updated for implementation.
  - IP
  - Digital
  - Analog
  - Additional Directory Number (ADN)
  - DECT
  - Virtual
  - Multi Terminal
  - CAS
  - FAX

For more information, refer to the *Provisioning Manager REST API- Description*.

4.1.11 Software Versions

Added support for the following software versions:

- Added support for the Mitel 5613/5614 DECT Phones to support the software 3.0.16.
- Added support for the Mitel 5634 Wi-Fi phone to support the software 5.0.2.
- Added support for the Mitel DT4x3 DECT phones to support the software 4.17.8.

4.1.12 SIP Based SOM Implementation

A new system SIP Surveillance, Observation, and Monitoring (SOM) license has been added to enable the new SIP-based SOM functionality on the MX-ONE. For more information, refer to the *Surveillance Observation and Monitoring using SIP Proxy - Operational Directions*.

4.1.13 Support for IPv6

The Provisioning Manager (PM) and Service Node Manager (SNM) support IPv4 and IPv6. The following changes are made to the PM and SNM GUI:

- Users can log in using the IPV6 address for the new user portal.
- Users can perform add, change, view, and delete options, and the changes are reflected on the GUI.

For more information, refer to the following documents:

- *MX-ONE Provisioning Manager Deployment -Installation Instruction*
- *Provisioning Manager - Description*
- *Service Node Manager - Description*
- *PM End User Portal Description*
- *MX-ONE Provisioning Manager User Guide*
- *MX-ONE Provisioning Manager and MX-ONE Service Node Manager Web Services*
- *Fault Handling of MX-ONE Provisioning Manager*
- *MX-ONE Service Node Manager Fault Handling*

4.1.14 Support for MNS directory number on 80 SIP Phones

The following functionalities are added:

- User can configure a MNS number on up to 80 Mitel SIP phones.
- User can configure a Mitel SIP phone with up to 50 MNS keys.

For more information, refer to the following documents:

- *Shared Call Appearance - Description*
- *Feature Matrix*

4.1.15 Support for MX-ONE Hyper-V

The MX-ONE system with Hyper-V and MS Server 2022 is compatible and supported. For more information, refer to the following documents:

- Upgrade Process Minimizing System Downtime
- Virtualization and Public Cloud - Description
- Engineering Guidelines
- Service Node Virtual Appliance - Installation Instructions
- MX-ONE AWS Installation Document

4.1.16 Support for Nutanix

MX-ONE, MiCC-E, and InAttend/CMG are deployed on Nutanix AHV (Nutanix hypervisor). The following functionalities are added as part of this feature:

- Users can deploy MX-ONE on Nutanix AHV.
- Users can deploy MiCC-E and InAttend/CMG in the Nutanix AHV environment.

For more information, refer to the *Service Node Virtual Appliance - Installation Instructions*.

4.1.17 Support for RTCP XR in TLS

Support of the RTCP XR in TLS in the MX-ONE Solution, not including Teleworker.

- A user with a Mitel SIP terminal using FW 6.4 or later with RTCP-XR and TLS configured. When an MX-ONE user is using the Mitel SIP terminal to make and receive a secure call to office colleagues, RTCP-XR and TLS shall be used. So that nobody can eavesdrop on the call or the MPA data.
- A user with any MiCollab client with RTCP-XR and TLS configured. When MX-ONE users use the MiCollab to make and receive a secure call to office colleagues, RTCP-XR and TLS shall be used. So that nobody can eavesdrop on the call or the MPA data.

For more information, refer to the *Mitel 6800/6900/6900w Series SIP Phones ADMINISTRATOR GUIDE*.

Documentation Updates 5

The MX-ONE documentation comprises the following main categories:

- Overview — Provides MX-ONE solution overview and description.
- Planning — Provides planning information such as system planning, site planning, engineering guidelines and so on before you setup MX-ONE system.
- Administration — Provides information on how to administer and run MX-ONE system.
- Install and Upgrade — Provides install and upgrade steps for the MX-ONE system.
- Optional Installations — Provides information on how to perform optional installation such as MPA, MiCollab Advanced Messaging.
- Migration — Provides information on migrating legacy hardware to MX-ONE system.
- Fault Management — Provides fault management and troubleshooting information.
- Feature Guides — Provides descriptions, interworking descriptions, and operation and maintenance information for the various features supported by MX-ONE.
- Devices and Accessories supported by MX-ONE — Provides information on how to install and administrate telephones, clients and gateways.

The MX-ONE documentation is posted in the CPI library and in Mitel Document Center.

Only the documentation belonging to the following categories is available in the Mitel Document Center publicly:

- Overview
- Administration
- Install and Upgrade
- Optional Installations
- Feature Guides
- Devices and Accessories supported by MX-ONE

The entire MX-ONE documentation set is posted in the CPI library. You can access the CPI library from the Mitel domain.

Documentation Versioning

The Front Page of the published document contains the title of the respective document and the release number. The release number indicates that the document is updated for that release. However, all the documents in the CPI library apply to the current product release.