A MITEL
PRODUCT
GUIDE

MiVoice MX-ONE

CPI News - Product Revision Information

Release 7.8
19/109 21-ASP 113 01 Uen AE

November 2024

Mitel
Powering connections

Notices

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Contents

CPI News in MiVoice MX-ONE 7.8 1

This document describes changes in the MiVoice MX-ONE documentation due to new and changed functionality in MiVoice MX-ONE 7.8. 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.

The command supports matching a peer IP address with its domain, which may be required to validate a peer certificate during the TLS handshake. See the example below for more details.

*The command can also be used to match a peer IP address to a peer domain, which might be needed to accept a peer certificate for that domain during TLS handshake (*see example below for more details).

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.

System Requirements 3

The following are the system requirements for MX-ONE 7.8 system:

- Operating System - SUSE SLES 12 Service Pack 5 with latest patch updates (September 30, 2024)
- Web Server
    - IPP Server 2.14
- Hypervisor
    - VMware ESXi 6.7/7.0/8.0 Support.
    - Hyper-V (v2022) Support
    - KVM Support (RedHat Enterprise 7.6 and SUSE SLES 12 SP5)
    - Nutanix-AHV (20220304.441)
    - Proxmox-VE (8.2.2)
- AWS
- Microsoft Azure
    - Microsoft Azure HCI stack
    - MS Azure Platform

New and Enhanced Features, MX-ONE 7.8

4

This chapter contains the following sections:

This section provides information on the new and enhanced features for MiVoice MX-ONE 7.8 release.

4.1 News and Changes in Documents for MX-ONE 7.8

The following table lists the new features and enhancements made in MX-ONE 7.8 release.

Table 1: MX-ONE 7.8 Features and Enhancements

Feature/Enhancement	Description	Documentation Reference
Unconditional diversion use-cases. Central Call History logging enhancement, show both A and B party call party to C-party call history	Building upon the previous release, call history logging for unconditional call forwarding has been further improved in MX-ONE 7.8. User C's call history now shows both the original caller (User A) and the forwarding number (User B). For example: • User A calls User B • User B has unconditional call forwarding set to User C • User C's call history shows a 'incoming-missed' (if C missed the call) or 'incoming-answered' (if C answered the call) along with A & B party numbers	Updated documentation: • *38/1551-ANF90114_Name and Number Log, Description* • *201/19082-ANF90114_Technical Reference Guide, Unix Commands* How to enable this feature: • See section *EXTENSION_PROFILE* and *MIS (MISCELLANEOUS)* in *201/19082-ANF90114_MiVoice MX-ONE Technical Reference Guide, Unix Commands*.

Feature/Enhancement	Description	Documentation Reference
Conditional diversion use-cases (No Answer & Busy). Central Call History logging enhancement, show both A and C party call party to B-party call history	This feature enhances the central call history logging for conditional call forwarding use cases No Answer and Busy. It provides the original call recipient (User B) with more detailed information about calls that were forwarded to User C due to No-Answer or Busy. For example: • User A calls User B • User B has conditional call forwarding set to User C if there is "No Answer" for configured time or if the User B is Busy • If there is "No Answer" within the configured time or the User B is Busy, the call is forwarded to User C • User B's call history shows 'incoming-missed' along with A & C party numbers	Updated documentation: • *38/1551-ANF90114_Name and Number Log, Description* • *201/19082-ANF90114_Technical Reference Guide, Unix Commands* How to enable this feature: • See section *EXTENSION_PROFILE* and *MIS (MISCELLANEOUS)* in *201/19082-ANF90114_MiVoice MX-ONE Technical Reference Guide, Unix Commands*
Conditional diversion use-case (No Answer & Busy). Central Call History logging enhancement, show both A and B party call party to C-party call history	MX-ONE 7.8 also improves the call history logging for the User C in the conditional diversion (No Answer or Busy) use cases. This feature provides *User C* with more detailed information about the origin of forwarded calls. For example: • User A calls User B • User B has conditional call forwarding set to User C if there is "No Answer" for configured time or if the User B is Busy • If there is "No Answer" within the configured time or the User B is Busy, the call is forwarded to User C • User C's call history shows a 'incoming-missed' (if C missed the call) or 'incoming-answered' (if C answered the call) along with A & B party numbers	Updated documentation: • 38/1551-ANF90114_Name and Number Log, Description • 201/19082-ANF90114_Technical Reference Guide, Unix Commands How to enable this feature: • See section *GLOBAL_TRAFFIC_DATA* in *201/19082-ANF90114_Technical Reference Guide, Unix Commands*.

Feature/Enhancement	Description	Documentation Reference
Improve PM search function when assigning/changing department for a user	This release introduces a search function in Provisioning Manager (PM) to find the desired department and assign or change it for a user. This is particularly beneficial for large organizations with numerous departments.	-
Support for the Certificate Autoenrollment for PM/SNM	MX-ONE 7.8 introduces Certificate Autoenrollment for PM/SNM through ACME protocol, allowing the use of self-signed SSL /TLS certificates (including the private CA certificates).	Updated documentation: • *9/1531-ANF90115_Installing MX-ONE Provisioning Manager -Installation Instruction* How to enable this feature: • See section *Certificate Auto Enrolment Procedure* in *9/1531-ANF90115_Installing MX-ONE Provisioning Manager -Installation Instructions*
Modernization of PM/SNM server-side -- PM Own Settings	The MX-ONE release 7.8 implements the REST APIs for the sub tasks of the Own Settings Tasks: • Extensions task: View and change of the assigned extension of the user. • General task: Shows the user details and the PM GUI Language In other words, the authorized admin user can perform the following tasks: • View the assigned extension details • Change the allowed extension details and be able to assign function keys, etc. • Change the user specific setting/ properties from general API	Updated documentation: • *21/1551-ANF90115_Provisioning Manager REST API-Description* How to enable this feature: See section • See section *Extension* in *21/1551-ANF90115_Provisioning Manager REST API-Description*

Feature/Enhancement	Description	Documentation Reference
Introduction of Mitel IP DECT Gateway	MX-ONE 7.8 introduces the IP DECT Gateway (also called IP DECT Blade, or IPBL), which enables customers with MX-ONE Integrated DECT (TDM DECT) to migrate to Mitel IP DECT by connecting existing TDM base stations (BS33x/BS34x) to the IPBL instead of to the ELU31 board. Once connected to the IPBL, these base stations can work together with the IP DECT base stations (IPBS43x/44x/532/542) as a homogenous IP DECT system, enabling roaming and handover throughout the entire system. The IPBL runs the same software version as IPBS.	Updated documentation: • *13/1531-ANF90114_Mitel IP-DECT_System (12.1.5) Installation and Operation* • *15/1531-ANF90114_Mitel WSM3_Installation and Operation* • *32/1531-ANF90143_Mitel IP-DECT_System (12.1.5) Installation and Operation* • *51/1551-ANF90114_Mitel IP-DECT_System Planning* • *52/1551-ANF90114_Mitel IP-DECT_System Description* How to enable this feature: • See *13/1531-ANF90114_Mitel IP-DECT_System (12.1.5) Installation and Operation*

Feature/Enhancement	Description	Documentation Reference
New version of IP DECT SW (12.1.4) to be supported, needed for IP DECT GW	MX-ONE 7.8 also introduces new software 12.1.4 for IP DECT Base Stations (IPBS), which is required to resolve handover issue in high-density areas in conjunction to migration from ELU31 Integrated DECT (TDM) to IP DECT Gateways.	Updated documentation: • *13/1531-ANF90114_Mitel IP-DECT_System (12.1.5) Installation and Operation* • *15/1531-ANF90114_Mitel WSM3_Installation and Operation* • *32/1531-ANF90143_Mitel IP-DECT_System (12.1.5) Installation and Operation* • *51/1551-ANF90114_Mitel IP-DECT_System Planning* • *52/1551-ANF90114_Mitel IP-DECT_System Description* How to enable this feature: • See *13/1531-ANF90114_Mitel IP-DECT_System (12.1.5) Installation and Operation*
Introduce updated DECT BS software (MX-ONE Integrated DECT)	MX-ONE 7.8 introduces new software for TDM DECT Base Stations BS3X0 (SW version R7G) and BS3x2 (SW version R4C). These updates resolve the handover issue in high-density areas. Please note that the IPBS also need to be upgraded to a new software version 12.1.4, which is also being introduced in this MX-ONE release. **Note**: Please also see the Release Notes of the software R7G & R4C of Mitel DECT BS3x0 & BS3x2 respectively as all Base Stations must be updated to interwork with the IPBL.	Updated documentation: • *32/1531-ANF90143_ Base Station Installation Guide* • *6/1531-ANF 901 14_Cordless Phone - Installation Instruction*

Feature/Enhancement	Description	Documentation Reference
Support of updated SW, DGW 49.4, for the Mitel EX/ GX	MX-ONE 7.8 introduces new software release 49.4 for Mitel EX/GX Gateways. It is a Bug fixing / sustaining release.	-
MX-ONE support of MIR 7.3	MX-ONE 7.8 has an improved call recording solution based on MIR 7.3 version. MIR 7.3 brings two new MX-ONE-related features • Bulk import of trunk monitors for easier management of monitor points similar to extension-based monitor point configuration. • Free seating support for Mitel 69xx phones, allowing users to do call recording from the phone's GUI even when using different devices.	-
Feature based multi-tenant, to support PM configuration analogue extension on Reseller/Tenant level	In the release prior to MX-ONE 7.8, only "Service Provider" administrators could manage analog extensions in Feature Based multi-tenant systems. With MX-ONE 7.8, this feature is enhanced and allows "Resellers" and "Tenant" Admins to initiate and configure the analog extensions as well.	-
Support of the new Mitel 6915 v2 Phone	This release supports the new Mitel 6915 v2 phone, which has a new and faster CPU compared to the current Mitel 6915 phone. **Note**: • Mitel 6915 v2 requires the Mitel SIP Firmware 6.4 SP2. There is a new Firmware file named 6915d.st along with 6915.st for the present 6915 phone.	Updated documentation: • *14/1551-ASP 113 01_Power Consumption – Description* • *42/1551-ANF 901 43_Terminal Overview – Description* • *1317-ASP 113 01_Hardware Status and Reliability ASP 113 01 - R-STATE SURVEY*

Feature/Enhancement	Description	Documentation Reference
	• Mitel 6915 v2 is compatible with previous versions of MX-ONE releases, supporting present 6915, given that Mitel SIP 6.4 SP2 is used.	• *Mitel_6915_SIP_Phone_ Installation_Guide_ R6.3_SP3_GA* • *Mitel_6915_SIP_Phone_ Quick_Reference_Guide _R6.3_SP3_GA* • *Mitel_6800_6900_Admin_ Guide_R6.4* How to enable this feature: • See *Mitel_6800_6900_Admin_ Guide_R6.4*
Mitel SIP Phone Firmware 6.4 SP2	MX-ONE 7.8 includes support for the Mitel SIP Phone Firmware 6.4 SP2, which is required for the new Mitel 6915 v2 SIP phone.	-
Increase CAS extension per Service Node to 1920 users	MX-ONE 7.8 adds support for up to 1920 CAS extensions (equivalent to 64 TLU boards with 30 ports each) per Service Node, a significant increase from the previous limit of 640. This enhancement enables customers to consolidate their existing CAS infrastructure when migrating, reducing hardware requirements and operational costs.	-
Tech dept - Reduce the number of Cassandra clients to minimize memory usage and network load	MX-ONE 7.8 optimizes the Cassandra DB access by reducing the number Cassandra Clients to 1. Currently, multiple program units directly connect to the database, increasing network load. The enhancement in this release consolidates these connections through a single DatabaseProxy unit. The DatabaseProxy unit acts as an intermediary, handling database interactions on behalf of other units. This optimization aims to reduce the network load and improve overall system efficiency.	-

Feature/Enhancement	Description	Documentation Reference
Conference initiated by extension, when conference leader disconnect shall participants be disconnected	MX-ONE 7.8 introduces the feature that allows the Police officer to start a conference with an intake and a lawyer. When police officer clears the call shall all parties be cleared. To prevent participants to continue talking.	Updated documentation: • *9/1551-ANF90114_Conference Description* • *201_19082-ANF90114_Technical Reference Guide, Unix Commands* How to enable this feature: • See section *GLOBAL_TRAFFIC_DATA* in *201_19082-ANF90114_Technical Reference Guide, Unix Commands*
Hypervisor for installation on all non-Mitel servers	MX-ONE 7.8 introduces Proxmox VE that is a purpose-built KVM Linux distribution with a web GUI similar to VMware. Since KVM is already a MX-ONE supported hypervisor as distributed by SuSE and Redhat, Proxmox VE can be added to the list of supported hypervisors after test and verification. Proxmox VE is free to run, with optional subscription/support contract.	Updated documentation: • *28/1531-ANF90114_ Service Node Virtual Appliance – Installation Instructions* • *4/1531-ANF90143 _Installing and Configuring – Installation Instructions* How to enable this feature: • See section *Installing MX-ONE on Proxmox VE* in *28/1531-ANF 901 14_ Service Node Virtual Appliance – Installation Instructions*

Feature/Enhancement	Description	Documentation Reference
Support of RTCP-XR via TLS for Teleworkers in the MX-ONE solution	In the previous release MX-ONE 7.7 introduced the support for RTCP-XR (call quality statistics) over TLS, for on-site endpoints. However, it was not supported for Teleworker (SIP phones) and MiCollab Clients. MX-ONE 7.8 extends this feature to also support Teleworkers (Mitel SIP Phones & MiCollab Clients in teleworker mode) . Please note that this feature requires Mitel SIP Phone Firmware version 6.4 or higher, MPA 3.5.1 or higher, MiCollab 10.0, and MBG 12.1". **Limitation:** MiCollab Client in non-Teleworker mode does not support RTCP-XR over TLS yet.	Updated documentation: • *Mitel_6800_6900_Admin_Guide_R6.4* How to enable this feature: • See section *Appendix I Mitel Phone Configuration for TLS* in *Mitel_6800_6900_Admin_Guide_R6.4*.

Feature/Enhancement	Description	Documentation Reference
Support IPsec for communication between LIMs and LIM-MGU (SCTP over IPsec)	Added IPSec support for the communication between LIMs and LIM-MGU (SCTP over IPsec)	*Updated documentation:* • *1/1551-ANF 90136_Media Gateway Unit, MGU – Description* • *2_1551-ANF90136_ Media Gateway Unit MGU2 and MGU2-X – Description* • *3_15431-ANF90136_ MGU Security Configuration – Operational Directions* • *4_1531-ANF90143_ Installing and Configuring – Installation Instructions* • *22_1551-ASP11301_ System Planning – Description* • *71_1551-ANF90143_ Engineering Guidelines* *How to enable this feature:* • See section *Installing IPsec on Service Node and MGU* in *4_1531-ANF90143_ Installing and Configuring – Installation Instructions*

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.