MiVoice MX-ONE

CPI News - Product Revision Information

Release 7.3 SP2

June 8, 2021

Mitel®

Notice

Trademarks

Contents

CPI News in MiVoice MX-ONE 7.3

This document describes changes in the MiVoice MX-ONE documentation due to new and changed functionality in MiVoice MX-ONE 7.3 and MX-ONE 7.3SPx compared to MX-ONE 7.2 SP1. It also lists the Mitel re-branded product names versus the previous product names.

For detailed information on the MX-ONE 7.3 Solution, see *MiVoice MX-ONE Solution Overview, MiVoice MX-ONE System Description* and other CPI documents.

Mitel Branding and Names

Branding

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

New Names

Table 1.1: New Names vs Old Names - Products (Sheet 1 of 2)

New product/solution naming	Previous product/solution naming
Apache Cassandra Database	OpenLDAP Database
MiVoice MX-ONE	Aastra MX-ONE
MiVoice MX-ONE Telephone Server	MX-ONE TSE
MX-ONE Service Node Manager (SNM)	MX-ONE MTS
MX-ONE Provisioning Manager (PM)	MX-ONE MP
Mitel Performance Analytics (MPA)	MX-ONE TM
Mitel Performance Analytics (former MarWatch, replacing MA)	MX-ONE MA
Mitel TSW (phased out)	TSW (phased out)
MiCollab Advanced Messaging	Mitel OneBox
MiContact Center Enterprise	MiCC Solidus, Solidus eCare
Microsoft Skype for Business	Microsoft Lync
Mitel MX-ONE Chassis	Aastra MX-ONE Chassis
Mitel Server Unit	Aastra Server Unit
Mitel ASU	Aastra ASU

Table 1.1: New Names vs Old Names - Products (Continued) (Sheet 2 of 2)

New product/solution naming	Previous product/solution naming
Mitel 69xx SIP Phone	--
Mitel 68xx SIP Phone	Aastra 68xxi SIP Phone
Mitel 67xx SIP Phone	Aastra 67xxi SIP Phone
MiVoice 4200	Aastra 4200
MiVoice 4400	Aastra 4400
Mitel 7100	Aastra 7100
Mitel 1023	Aastra 1023i
Mitel TA7100	Aastra TA7100
Mitel DTxxx	Aastra DTxxx
Mi Contact Center Business	--

System Requirements

The following are the system requirements for MX-ONE 7.3 system:

- Operating System - SLES 12 Service Pack 5
  - Newer kernel
  - Postgres
  - openssl
  - openssh
- Application Server update
  - Wildfly 20
- Web Server
  - IPP Server 2.6
- Hypervisor
  - VMware ESXi 6.7 support
  - Hyper-V Support
  - KVM support (RedHat 7.6 and SUSE SLES 12 SP5 or later)
- MS Azure
  - MS Azure support

New and Enhanced Features

This section provides information on the new and enhanced features for MiVoice MX-ONE 7.3 release.

NEWS and Changes in Documents, MX-ONE 7.3 SP2

New features and enhancements for MX-ONE Release 7.3 SP2 are listed in this section.

New Parameter is Introduced in the SIP_Route Command

This new parameter (`addheader`) states a comma separated list of additional headers used in INVITE, REGISTER, and so on. The `addheader` is used when an ISP demands fixed headers that is unique for this ISP and not created by MX-ONE in a normal fashion.

For instance if the ISP would require header as marker what customer it is, then it has to be mentioned as Customer_id: <globen.mitel.stockholm..se>

Allowed headers are: P-Preferred-Identity, P-Asserted-Identity, Organization or proprietary headers not used by SIP-stack. The format of Header:

- 'Header: sip:string@mysite.com' or
- 'Header: namesip:string@mysite.com;para' or
- 'Header: data=value'

For more information about the `addheader`parameter, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, Unix Commands

MGU with New Flash must not be Downgraded to Earlier than 2.7.1

MGU2 ROF 137 6304/4 RF2 has a new Flash and requires a new driver. Because, MGU with the named hardware revision and later must not be downgraded to a software revision older than 2.7.1 and is prohibited to install a software not supporting the new flash on a board with the new flash. Otherwise, the MGU will fail.

MGU utilizes the package manager Red Hat Package Manager (RPM) for software and firmware installation and upgrade. There is only one RPM for the whole MGU installation and this RPM contains all software and MSP, and FPGA FM (firmware) images previously used.

Upgrading the RPM with Linux rpm command is not recommended.

For more information about MGU RPM, see the following documentation:

- MiVoice MX-ONE Media Gateway Unit, MGU - Description

Media Server is not Working when Standby Server is Running

If the Media Server is used, there are two different configurations to control the Media Gateway(s) of the failing LIM (if the Media Server is co-located with the (failing) Service Node, a new Media Server is started by the standby server). If the Media Server runs on a stand-alone server, the standby server will continue to control the separate Media Server of the failing LIM.

When Media Server is co-located, both control and media interface must be set to same address as the Service Node in order for standby server to start the Media Server properly.

The `media_gateway_config` and `media_server` commands indicate which address of Service Node to contact and control the Media Server. The `media_gateway_interface` command indicates which addresses Media Server will use for media (RTP).

For more information about Media Server:

- MiVoice MX-ONE Server Redundancy - Operational Directions

- MiVoice MX-ONE Media Server - Description

Number of SIP Devices Per User Increased from Four to Eight

For MX-ONE SIP users, the number of SIP devices for forked users is increased from four SIP devices per user to eight SIP devices per user.

For more information about Multiple Terminal Service functionality, see the following documentation:

- MiVoice MX-ONE Multiple Terminal Service - Operational Directions
- MiVoice MX-ONE Multiple Terminal Service - Description
- MiVoice MX-ONE Technical Reference Guide, Unix Commands
- MiVoice MX-ONE Feature Matrix
- MiVoice MX-ONE Hospitality, ConnectedGuest Applications - Description
- MiVoice MX-ONE Feature List - Description

NEWS and Changes in Documents, MX-ONE 7.3 SP1

New features and enhancements for MX-ONE Release 7.3 SP1 are listed in this section.:

The New ELU34/6 Board on MX-ONE

A new ELU34/6 board replaces the earlier ELU34/x board. A new board type (0x80 / 128) is used for the ELU34 board. This needs to be handled by ELP6. The board will have same API as the earlier version. Some market settings need to be changed in view of this enhancement.

For more information about changing market settings, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, MML Parameters, Parameter Description
- MiVoice MX-ONE Manager Applications – Description
- MiVoice MX-ONE ELU3x Firmware Upgrade – Installation Instructions

Group Hunting Enhancements for Remote Extension Members

When a mobile user is busy, Group Hunting indicates the user as unavailable instead of busy. Therefore, the following enhancements are done for remote extension members:

- When a group member rejects a group call (which is possible only for certain types of extensions), the call will re-queue the group, and try to distribute to another member if possible (maximum five attempts are made), or otherwise follow the group’s distribution configuration.
- If the extension number is a member of both ordinary hunt group and cascade ring group, it will be considered not available for selection in the group' for all groups.
- When the extension is found busy (that is, the remote extension is busy in the PSTN/PLMN network), the extension will be considered not available to answer any hunt group or cascade ring group calls' for 60 seconds. After 60 seconds, the extension automatically becomes available for selection again.
- When the longer timer set expires, the extension becomes available to answer group calls again. If the extension changes state to idle state from some other state while the 3 minute or the 60 minute timer is running, the timer is stopped, and the extension member will become available for selection in (all) its group(s) again.
- If the extension is involved in a private call (non-group call) while the group timers are running, and then becomes free (idle), it will also become available for selection in the group(s).

For more information about Group Hunting enhancements, see the following documentation:

- MiVoice MX-ONE Extension Groups – Description

MGU Support for Monitoring both Passive and Active LAN when Link-Failover is Enabled

The Media Gateway Unit must monitor both active and passive LANs when the MGU board is connected to the network with two interfaces (Link-failover). It must raise an alarm when the link to one of these interface is lost. This feature is configured by using a local administrator command on the MGU.

For more information about MGU enhancements, see the following documentation:

- MiVoice MX-ONE Fault Codes – Fault Tracing Directions
- MiVoice MX-ONE Media Gateway Unit, MGU – Description
- MiVoice MX-ONE Media Gateway Unit, MGU2 – Description
- MiVoice MX-ONE Installing and Configuring – Installation Instructions
- MiVoice MX-ONE Fault Location – Fault Tracing Information

Anonymous Text Removal for Incoming Calls without CLI

If the calling line identity is restricted (CLIR valid) or missing, the display information sent to a called SIP extension has an option that can control what data must be sent to the terminal, either an "anonymous" text string (according to RFC 3261), or another text string configured in the SIP extension default file, which can be modified through an I/O command.

For more information about Display Handling for SIP, see the following documentation:

- MiVoice MX-ONE IP Extension – Operational Directions
- MiVoice MX-ONE SIP Extension – Description
- MiVoice MX-ONE Administrator Guide – Operational Directions

Set Flexible CLI Representation to Public Destinations

With this feature enhancement, you can activate or deactivate the Flexible Public CLI (Calling Line Identification or Connected Line Identification) service for a specific device. Flexible CLI service enables controlling the service for extensions (through CSTA3 and Function Code or Feature Code (FC) procedures). The Flexible Public CLI service is limited to generic extensions.

When a user places a call, the user's Flexible CLI will be displayed as the calling/connected party number. If the user deactivates the optional Flexible public CLI number function (procedure #FC#), the user's own directory number will be displayed as the calling/connected party number.

Private events are used for the proprietary Flexible Public Calling line Identity Service. The events contain the status of the Flexible Public CLI (shows whether the service is activated or deactivated).

For more information about Flexible CLI service enhancements, see the following documentation:

- MiVoice MX-ONE Flexible Public CLI number Configuration – Operational Directions
- MiVoice MX-ONE Terminal Selection Service Configuration – Operational Directions
- MiVoice MX-ONE MX-ONE API, CSTA III – Interface Description

Set Common Public Number Per Customer

An enhancement to the support for Common Public Numbers (CPN) is implemented, which enables setting of a Common Public Number (CPN) for each customer in multi-tenant configurations. This CPN can be handled in the modified `route_data_common` command.

For more information about CLI flexibility, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, Unix Commands - Description
- MiVoice MX-ONE Common Public Directory Number - Operational Directions
- MiVoice MX-ONE Installing and Configuring - Installation Instructions
- MiVoice MX-ONE Numbering - Operational Directions
- MiVoice MX-ONE Feature List - Description

Support for 6905 and 6910 SIP Phone with MX-ONE

A new merged 6.0 SIP phone software is introduced with MX-ONE. Support for configuring MX_ONE comes along with some new functionalities and some minor GUI enhancements in 6905 SIP phones (including wall mount unit) and 6910 SIP phones (including compatibility with S720 USB Bluetooth Adapter and AC Adapter).

For more information about 6905 and 6910 SIP phones and about configuring MX-ONE on these phones, see the following documentation:

- Mitel 6905 SIP phone User Guide
- Mitel 6910 SIP phone User Guide
- Mitel 6905 SIP phone Installation Guide
- Mitel 6910 SIP phone Installation Guide
- Mitel 6800/6900 Series SIP Phones Administrator Guide
- Mitel 6905 SIP Phone for MX-ONE, Quick Reference Guide
- Mitel 6910 SIP Phone for MX-ONE, Quick Reference Guide
- MiVoice MX-ONE Hardware Status and Reliability for ASP 113 - R-State Survey
- MiVoice MX-ONE Power Consumption - Description
- MiVoice MX-ONE Feature Matrix - Description
- Terminal Overview - Description
- Mitel 6900, 6800 and 6700 SIP terminals for MiVoice MX-ONE - Installation Instruction

Limit Remote Programming of Diversions for Hunt Groups

The --ext-cdiv parameter (is a part of the Common Service Profile (CSP)) has been modified with a new value, which enables you to prevent or allow remote programming of diversion for GH groups.

For more information about remote programming of diversion for Hunt Groups, see the following documentation:

- MiVoice MX-ONE Call Diversion, Operational Directions
- MiVoice MX-ONE Technical Reference Guide, MML Parameters Description
- MiVoice MX-ONE Technical Reference Guide, Unix Commands Description
- MiVoice MX-ONE Call Diversion, Description

Enhancements to Individual Call Pick up Blocking

An enhancement to the Individual Call Pick up Blocking feature enables users to block/restrict the service for certain (or most) extensions. An extension can now answer a call ringing on another extension park a call, or pick up the call from another extension using the same procedure.

Call back calls and calls where both the calling party and answering party have parked calls, cannot be picked up. The Individual Call Pickup service is generally available to all extensions, but can be turned off

for the entire system (I/O command, AS, PARNUM 20) by setting no suffix digit (value #F/15), which will also block service requests through key, menu, and CSTA3 service request for relevant extension types.

The enhanced service can be used to request individual Call Pick up for a busy extension. The directory number for which this service is requested is included in the request. This service is supported only for the XML protocol.

For more information about individual call pick-up enhancements, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, MML Parameters Description

Call Diversion Options for Personal Numbers

If a user has an active IRD service (one list is active or diversion on busy shows) and any type of diversion happens, the priority of IRD is considered in determining where the call will be re-deflected to or the divert-to destination. There are new options set for the IRD list, which enable changing or overriding the IRD priority order for certain cases.

The call can be distributed to the next answering position in the active list for any of the following conditions:

- deflected-to party has activated some type of diversion (except diversion on no answer) and the IRD-diversion options deny that diversion.
- deflected-to party has activated any type of Do not Disturb, and the IRD-diversion options deny that DND is executed. (This option is relevant only if no alternative list position is defined as 'DND option')

For more information about Diversion on Busy Destination, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, Unix Commands - Description

Stop Transfer of External Calls on Extensions or SIP Terminals

The --ext-serv D13 parameter has been modified for generic extensions and the SERV D11 parameter has been modified for analog and digital phone. Changes have been made in the SERV D11parameter for EX and KS, and in the IT commands.

For more information about modified generic extensions on legacy terminals, see the following documentation:

- Technical Reference Guide, MML Parameters, Parameter Description
- Technical Reference Guide, Unix Commands, Command Description

MX-ONE CSTA3 Identifies SIP DECT and SIP Remote Extension Devices

An enhancement is done to the CSTA3 protocol, so that the protocol can identify the device type for SIP DECT and SIP Remote/Mobile extension by phone subtype., The device type is sent as proprietary (private) data in appropriate events and responses.

For more information about enhancements to the CSTA3 protocol, see the following documentation:

- MX-ONE API, CSTA III - Interface Description

NEWS and Changes in Documents, MX-ONE 7.3

New features and enhancements for the MX-ONE 7.3 release are listed in this section:

MX-ONE Supports Traditional Chinese, Korean, and Arabic Languages

MX-ONE now supports Traditional Chinese, Korean, and Arabic text. To support this, new values have been added, one per language and the --language-code parameter has been modified.

For more information about Traditional Chinese, Korean, and Arabic, see the following documentation:

- Technical Reference Guide, Unix commands, Command Description

VDP to Support Corporate Log-on within MX-ONE Networks

The SIP phones for specific models Mitel 6900/6800 and the H.323 terminals can now use Visitor Desk Phone (VDP) logon to support corporate log-on within MX-ONE networks.

With this, the extension users have the possibility to register in their home site, while being a visitor in another site within the same private IP-network, and get the normal functionality which the extension has in its home node, even when actually physically located in another node.

For more information see the following documents:

- MiVoice MX-ONE Emergency Calls, SOS Calls
- MiVoice MX-ONE Corporate Log-on - Description
- MiVoice MX-ONE Technical Reference Guide, Unix Commands

Receive Calls when Busy, and Present in Call History

If there is an incoming call while a user is engaged in another call, the user will receive a notification about the missed call. The details of the caller are logged in the history.

To support this, the CSTA call control failed event with cause busy will be sent to both calling and called device.

For more information, see the document MiVoice MX-ONE MX-ONE API, CSTA III - INTERFACE DESCRIPTION

Forking for Member of Cascade Ring Group

An enhancement for member extensions of Cascade Ring Groups is effected by removing certain limitations and restrictions for Multiple Terminal Services. Multiple Terminal Services (Forking/Parallel Ringing) is supported or can be enabled for Cascade Ring Group members, also with delay seizure list.

For more information, see the following documentation:

- Multiple Terminal Service - Description
- MiVoice MX-ONE, Extension Groups - Description

Active Directory Based Authentication for MX-ONE Admin Linux Users (MD Shell)

Usually, the Login authentication process for the MX-ONE Admin users is done locally in the Linux server, where the user logs in without any centralized validation authentication process. Now, the users can be authenticated via the corporate AD (Active Directory) system, which would be applied to the MX-ONE admin users only created by the Master Admin/Root account but is not applied to the "root" account.

This solution covers the addition of the master server to an AD domain, which provides an option to include the rest of the servers if you want.

For more information about AD Authentication Process, see the following documentation:

- MiVoice MX-ONE Administrator Guide - Operational Directions

- MiVoice MX-ONE AD Authentication - Description

MX-ONE Service Node

The following are the Service Node Enhancements for MX-ONE 7.3 system:

Delete Call Logs of Hotel SIP Phones at Check-out

If Mitel 6800 or 6900 SIP terminals are used as room phones, then the central Name and Number Log function is activated by the hotel customers to store the personal details of guests during their stay in a hotel. An enhancement is made to the hotel telephony to prevent retention of call logs or a central call list of guest extensions, which enables automatic erasure of these details when a guest checks-out and the room becomes vacant.

For more information, see the following documentation:

- Hospitality, ConnectedGuest Applications - Description

Blocking/Deblocking of Individual Media Gateway

The Media Server or Media Gateway (MGU) can be blocked/deblocked individually by setting the I/O command. The blocking status can be printed. The new blocking command is introduced for devices and media gateways in the system. It is an enhancement for service personnel of systems with multiple Media Gateways.

It involves the switch functions in a LIM. It covers IP-based media connections, both in intra-LIM and inter-LIM. The switch is used to establish transmission paths between different device individuals. These devices can be of two types: main devices or auxiliary devices. The transmission path, that is, media path, is used to transmit media, such as speech or data.

For more information about changes in blocking/deblocking of MGU, see the following documentation:

- MiVoice MX-ONE Fault Codes – Fault Tracing Directions
- MiVoice MX-ONE Fault Location – Fault Tracing Directions
- MiVoice MX-ONE Commands in MX-ONE Service Node Command – Description
- MiVoice MX-ONE Administrator Guide – Operational Directions
- MiVoice MX-ONE Function Test – Operational Directions
- MiVoice MX-ONE Replacing Miscellaneous Hardware – Operational Directions
- MiVoice MX-ONE Technical Reference Guide, Unix Commands – Description
- MiVoice MX-ONE Replacing Boards in MX-ONE Media Gateways – Description
- MiVoice MX-ONE Remove LIM – Operational Directions

Show Original A-Number at the Picking-up Party (C-party)

Show Original A-Number (caller) in the Call Log of the Picking-up party (C-party), when C is a SIP extension. It is an enhancement of the central Name and Number Log (NNLOG) function for the answering/picking party (for SIP phones primarily). The enhancement is to update the log when the call is answered elsewhere using the MNS key function or a similar pickup service; that is, the answering user is not using one of the phones of the alerted user, but another phone that is supervising/addressing the alerted phone by using the MNS feature or a similar pickup feature.

For more information about changes in Call Log of the Picking-up party (C-party), see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, Unix Commands Description
- MiVoice MX-ONE Name and Number Log, Description

Display Calling Party and Called Party for Call Pickup Group Before Answering the Call

This feature provides an enhanced Group Call Pick-up service functionality, which includes the PGM key feature by displaying the caller identity (number and name if available) and called party identity for all members of the call pick-up group, for whom it is possible.

The user can answer a call alerting on another user's extension in a call pickup group by dialing a service code. When the phone for one contact is ringing, and the user should be able to pick up the call for that user to answer.

For more information about enhanced Group Call Pick-up service, see the following documentation:

- MiVoice MX-ONE Technical Reference Guide, Unix Commands Description
- MiVoice MX-ONE Feature List - Description
- MiVoice MX-ONE Group Call Pickup, GP - Operational Directions
- MiVoice MX-ONE CSTA Phase III - Description

MiVoice MX-ONE Management Applications

The following are the Provisioning Manager and Service Node Manager Enhancements in MX-ONE 7.3 system:

Support for PM and SNM Applications on Microsoft Edge Browser

The new Microsoft Edge browser is validated for PM and SNM (HTTP and HTTPS), as on 20th January, 2020. The New Microsoft Edge is supported for the MX-ONE 7.2SPx and 7.3 releases.

For more information, see the following documentation:

- MiVoice MX-ONE, MX-ONE Service Node Manager
- MiVoice MX-ONE, MX-ONE Provisioning Manager - Description
- MiVoice MX-ONE, MX-ONE Service Node Manager - Description
- MiVoice MX-ONE, MX-ONE Provisioning Manager - User Guide

Solution

The following are the solutions integrated with the MX-ONE 7.3 system:

Support MiCC-B 9.3 SIP Integration with MX-ONE 7.x

SIP-based interoperability between MiCC-Business 9.3 and MX-ONE 7.3 is supported. This will be SIP trunk side interoperability with MiCC-B 9.3 with the understanding that it acts in a similar way as the Telephony Application Server (TAS) interface with MICC-Enterprise, for example, all the queues and media handling is provided and controlled by MiCC-B via the Free-switch Media Server/SIP call control.

For more information, see the following documentation:

- Customer Product Information of MiContact Center Business for SIP
- SIP - Golden Rules documentation

Call Recording via ASC VoIP Recording Application

Call recording via ACS VoIP Recording Application requires CSTA III event data to handle both long and short extension numbers. The ASC system can identify long and short numbers correctly.

For more information, see the following documentation:

- MiVoice MX-ONE MX-ONE API, CSTA III-INTERFACE DESCRIPTION

Diversion on Busy and No Answer to Public Destination

With this enhancement, if a call receives a Busy response or No Answer, the end-user can, on the fly, use feature codes (*211# for Busy or *212# for No Answer) to divert or forward the call to a public destination.

In the releases earlier than MX-ONE 7.3, the limitation is that the destinations for these forwarding must be programmed in advance by the system administrator. Therefore, the user could invoke these forwarding rules, but not change the destination.

For more information, see the following documents:

- MiVoice MX-ONE Call Diversion, Description
- MiVoice MX-ONE Interception Service -Description
- MiVoice MX-ONE Call Diversion, Operational Directions
- MiVoice MX-ONE Technical Reference Guide, Unix Commands

Licensing of Third-Party DECT Phones

New licensing of third-party DECT phones (different from Mitel DECT phones) will be supported. Users can use the same license that are used for third-party SIP phones, already renamed as third-party devices. Integrated DECT phones can now be adjusted to be compatible with any required third-party device license agreements for non-MX-ONE devices.

For more information, see the following documentation:

- Upgrading or Updating MX-ONE 7.X-Installation Instructions

SNM and PM Cannot Handle Encrypted .tuz Phone Config Files

Previously, PM/SNM did not support encryption of phone configurations and maintained the customers config files in non-encrypted format.

PMSNM now supports .tuz encryption of configuration files for Mitel SIP phones. This encryption is required for the security of IP phone configurations. The encryption can be enabled by selecting the appropriate Firmware version for encryption installed in the phone.

For more information about the support for Encrypted Phone Configurations, see the following documentation:

- MiVoice MX-ONE Service Node Manager – Description

Support of MX-ONE on MS Azure

Deployment of the MX-ONE Service Node, including Media Server, Cassandra Database, and management applications on MS Azure are all provided in this (7.3) release. The above mentioned components can all reside in the same VM or depending on size, traffic and load, can be spread out on more than one VM.With this, you can deploy a virtual machine instance of the MX-ONE image (SLES 12 SP5) on MS Azure platform.

For more information, see the following documentations:

- MiVoice MX-ONE Virtualization and Public Cloud - Description
- MiVoice MX-ONE MX-ONE Azure Installation Document

One Number Service (ONS) with Selective Ringing for Forked Extensions including Multiplicity Support for SIP Mobile Extension

This section describes the multiple terminal service (one user with several terminals) and its interactions with other features for the ASP 113 system. The primary purpose of multiple terminal service is to allow up to three (parallel ringing) or four (forking) voice extensions (grouped as an extension seizure list), related to the same user, to ring simultaneously (in parallel) or serially when the user receives an incoming call. The call can be answered at any of the extensions that ring.

A secondary purpose is to provide one common Calling Line Identity (the main directory number) for outgoing calls from any of the extensions in the extension seizure list. The extension seizure list can be initiated either as one main extension and secondary extensions, or as a Forking configuration, with generic extensions with the same number.

For more information about the multiple support for SIP Mobile Extension, see the following documentation:

- MiVoice MX-ONE Remote Extension - Description
- MiVoice MX-ONE Feature Matrix
- MiVoice MX-ONE Extension Groups - Description
- MiVoice MX-ONE Market Characteristics
- MiVoice MX-ONE Multiple Terminal Service - Description
- MiVoice MX-ONE SIP Extension - Description

Hardware Updates

The following sections discusses the hardware updates in MX-ONE 7.3 system:

Replacement of the Dell R330 Server with a New R440 Server for MX-ONE

The Dell R330 (87L00053AAA-A) model/server that was being used by MX-ONE and was running with SLES11 or SLES12. Now, the Dell R330 server is going to be replaced by the new Dell R440 server for MX-ONE.

For more information, see the following document:

- MiVoice MX-ONE Capacity - Description
- MiVoice MX-ONE Hardware Status and Reliability ASP 113 01 - R-STATE SURVEY
- MiVoice MX-ONE Engineering Guidelines
- MiVoice MX-ONE, MiVoice MX-ONE Site Planning
- MiVoice MX-ONE Installing and Configuring - Installation Instructions

Introduction of New Generation IPBS Hardware

Ascom OEM (Original Equipment Manufacturer) has introduced a new Image Processing Board Set Suppliers (IPBS), IPBS3, which is backwards compatible with IPBS2. In view of this, Mitel has also introduced a new IPBS3 hardware to ensure the interoperability of MX-ONE (Mitel DECT handset on this new Ascom OEM IPBS) with other products.

The new hardware requires a new IPBS software version along with a new version of the CPDM software.

For more information about changes in the New Generation IPBS Hardware, see the following documentation:

- IP-DECT Base Station (software version 10.2.X - INSTALLATION AND OPERATION MANUAL
- MiVoice MX-ONE Hardware Status and Reliability ASP 113 01 - R-STATE SURVEY
- MiVoice MX-ONE System Planning - Description
- Base Station INSTALLATION GUIDE
- Site Survey Tool SST2 for DECT USER GUIDE
- IP DECT SYSTEM PLANNING for MiVoice Business, MX-ONE, and MiVoice 250
- IP DECT SYSTEM DESCRIPTION For MiVoice Business, MiVoice MX-ONE, and MiVoice Office 250

Firmware Updates

New firmware support is available for the following devices or products:

- SIP Phones - 6700, 6800, and 6900 Series
- EX and GX gateways
  - BRI support
- MGU

For more information, see *MiVoice MX-ONE Solution Product Compatibility Matrix*.

Documentation Updates

From release MX-ONE 7.1 onwards, related topics are combined into 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, or MMC.
- 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 7.1 and later documentation is available at Mitel Document Center. The documentation is also available at the Mitel Infochannel webpage. Note that you must have Mitel credentials to access the Mitel Info Channel webpage.

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

- Overview
- Administration

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

Documentation that belong to the other categories is available only at the Mitel Infochannel webpage.