MiVoice MX-ONE

CPI News - Product Revision Information

Release 7.1
November 11, 2019

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Contents

CPI News in MiVoice MX-ONE 7.1

This document describes changes in the MiVoice MX-ONE documentation due to new and changed functionality in MiVoice MX-ONE 7.1 compared to MX-ONE 7.0 SPx. It also lists the Mitel re-branded product names versus the previous product names.

For detailed information on the MX-ONE 7.1 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

New product/solution naming	Previous product/solution naming
Apache Cassandra Database	OpenLDAP Database
MiVoice MX-ONE	Aastra MX-ONE
MiVoice MX-ONE	MX-ONE TS
MX-ONE Service Node	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 MTM
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 MGW

New product/solution naming	Previous product/solution naming
Mitel Server Unit	Aastra Server Unit
Mitel ASU	Aastra ASU
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

New and Enhanced Features

This section provides information on the new and enhanced features for MiVoice MX-ONE 7.1 release.

System Requirements

The following are the system requirements for MX-ONE 7.1 system:
- Operating System - SLES 12 Service Pack 4
    - Newer kernel
    - Postgres
    - openssl
    - openssh

- Application Server update
    - Wildfly 15
- Web Server
    - IPP Server
- Hypervisor
    - VMware ESXi 6.7 support
    - Hyper-V Support

- Increase number of Cassandra Data Center

For more information, see the following sections:

New Linux Version, SLES 12 SP4

The SLES 12 SP4 Linux version is now used in MiVoice MX-ONE. SNM and PM are also updated to run on SLES 12 SP4. See SLES 12 SP4 documentation from SUSE, for example Release Notes, regarding new functions compared to SLES 12 SP3.

For more information, see the following documentation:
* Mitel MiVoice MX-ONE, Engineering Guidelines
* MiVoice MX-ONE Upgrading or Updating MX-ONE 7.X, Installation Instruction
* MiVoice MX-ONE Installing and Configuring, Installation Instructions

Enhanced Hypervisor Support

MX-ONE 7.1 supports ESXi version 6.7 for VMware deployments.

In addition to the VMware virtual deployment, MiVoice MX-ONE can now be deployed on a Microsoft ® Hyper-V virtual machine. The Hyper-V required for MX-ONE deployment is based on the Windows 2016 server.

For more information, see the following documents:
* MiVoice MX-ONE Virtualization - Description
* MiVoice MX-ONE Upgrade Process Minimizing System Downtime - Installation and Upgrading Instructions

Cassandra Updates

The number of Cassandra data centers are increased to support large configurations in MX-ONE 7.1 release.

For more information, see the following documentation:
* MiVoice MX-ONE System Planning Guide - Overview
* MiVoice MX-ONE - Engineering Guidelines
* MiVoice MX-ONE Virtualization - Description
* MiVoice MX-ONE - System Database (Cassandra) - Description

Cassandra Network Requirements Update

Database server (Cassandra) stand-alone requirements modified.

The following note is removed to avoid the confusion provided in the document.

Note that this will increase the IP interface load, so 10 Giga Ethernet cards are recommended in database standalone servers.

For more information, see the following document:
* MiVoice MX-ONE - Engineering Guidelines

IP Phone Server Upgrade

The Apache Tomcat version used in IP Phone Server installation package has been upgraded from 8.0 release to 9.0.19 release.

For more information on the IP Phone Server Upgrade, see IP Phone Software Server Installation Instructions.

Application Server Upgrade

The MX-ONE 7.1 release now supports WildFly 15 version.

MX-ONE Service Node

The following are the Service Node Enhancements for MX-ONE 7.1 system:

Forked Extensions in a Normal Hunt Group to Ring All

This allows forked extensions in a normal hunt Group to all ring. Multiple terminal service supported for Generic extension types. This is now limited to one user at a time with up to 4 forked devices (plus eventually 2 (slave) Parallel ring extensions). It means up to 4 terminals can be registered to the same user directory number.

This shall be valid for "sequential" and "longest idle" normal Hunt Groups (GH), where it should be possible to ring all devices for a multi-device extension.

For more information, see the following documents:
- MiVoice MX-ONE Multiple Terminal Service, Description
- MiVoice MX-ONE Extension Groups - Description

Customer Number Plan or Range Conversion Enhancements

Using Customer number plan feature, inbound number conversion normally takes place after customer number range conversion has be done. However, if the received number type is international, the inbound conversion takes place before customer number range conversion

To support this, the new optional parameters `-text`, `-trim` and `-type` are introduced in the `number_initiate` command.

For more information, see the following documents:
- MiVoice MX-ONE Technical Refrence Guide, Unix Commands - Command Description
- MiVoice MX-ONE Number Conversion and Bearer Capability - Number Conversion and Bearer Capability
- MiVoice MX-ONE Customer Group-Operational Directions

Expanding Personal Number Profile Configuration

The number of Personal Number Profiles in MX-ONE is now changed from 5 to 10. The PM user portal allows to add the capability and configure more than 5 profiles. It allows up to 10 Personal Number Profiles per extension user.

This has been updated in two command parameters, that is, `Extension Key` (--key-off-call-list) and `Name` (--list).

For more information, see the following documents:
- MiVoice MX-ONE Technical Reference Guide, Unix Commands

MiVoice MX-ONE Management Applications

The following are the Provisioning Manager and Service Node Manager Enhancements in MX-ONE 7.1 system:

New Language Support in Portals

The Provision Manager Admin and End User Portal interfaces are now available in Swedish and Simplified Chinese languages.

For more information, see the following documents:
- MiVoice MX-ONE Provisioning Manager Description

Enhancements to the Password Policies

The password policies defined under Provisional Manager and Service Node Manager are security mechanisms to store, provide, and retrieve rules to specify user passwords. Some polices are system level (apply to all existing users) while others are user level (newly created users). To provide improved password security, a new set of password policies are introduced for MX-ONE.

For more information, see the following document:
- MiVoice MX-ONE User Account Management - Operational Directions

FQDN Support

In the PM and SNM application, in addition to the existing IP addresses you can now enter the fully qualified domain name (FQDN). See Online Help documentation for more information.

Updated SDK Package

The Software Development Kit (SDK) is updated to support MX-ONE 7.1 release.

Enhancements to the Import and Export Options

You can import and export MiCollab user profiles in comma separated and by column format in PM. You can export all users and all extensions data (extension types) with selectable fields, that is done per sub-system.

SIP Trunk Profile for Telenor SIP Trunk

A new sip trunk profile for Telenor is added. This describes about the SIP Trunk, configuration, and SIPLP traces. The `sip_route` command is updated with two more new parameters -accept and -addheader with additional examples such as % sip_route -print -profile and % sip_route -print -profile Lync_TLS.

For more information, see the following document:
- MiVoice MX-ONE Technical Reference Guide, Unix Commands, Command Description

Management of EX/GX via Service Node Manager

Using this option, you (admin) can configure and manage Mediatrix Sentinal 400 (EX-Controller) and Sentinal 100 (GX-Controller) Gateways as Media Gateway in Service Node Manager. The Gateway has to be configured before the configuration from SNM is done.

The Mediatrix Gateways bundles the capabilities of a Session Border Controller and a Media Gateway. Robust, field-upgradable, and ready for third-party software integration, this multi-service business platform is designed for medium and large enterprises. These Gateways are ideally targeting applications for up to 2000 users.

This allows you to view both FXS (Analog Trunks/Extensions) and FXO (External Lines) configurations by selecting the required Enterprise Gateway (EG) Type while adding new EGs.

For more information, see the following documentation:
- MiVoice MX-ONE Service Node Manager, Description
- Configuration Guide for GX and EX Controller - Survivable Branch Office, Application Note

Solution

The following are the solutions integrated with the MX-ONE 7.1 system:

Optimal Speech Quality Enhancements

This describes how to achieve good speech quality on IP network. The Voice-over-IP Quality of Service (QoS) helps you in monitoring features in MX-ONE collect data (concerning end-to-end delay, jitter, and packet loss) for RTP media traffic. This is valid for the types of end-points that support the QoS features using the Mitel Performance Analytics application.

For more information, see the following documents:
- MiVoice MX-ONE System Planning, Description
- MiVoice MX-ONE Quality of Service, Description

Interworking Description of Connected Guests

This describes how to configure the integration between the MX-ONE and the Connected Guests. In addition, this also address the common interfaces information such as SIP routes, Voice Mail/MW, CIL and CSTA phase 3, and certain AS-parameters.

For more information, see the following documentation:
- MiVoice MX-ONE Hospitality ConnectedGuests Application, Interworking Description
- MiVoice MX-ONE Hospitality, ConnectedGuest Applications, Description
- MiVoice MX-ONE Hospitality ConnectedGuests Applications, Operational Directions

RVA Enhancements

All Media Gateways must have same set of voice prompts.

To support this, in **Prerequisites** section, following additional information is added.

For proper configuration, all Media Gateways (MGUs and Media Servers) must have the same set of local voice prompts installed. However, If all Service Nodes are configured to use Media Server (SIP or MSCML interface) for RVA and MOH, then only Media Servers need to have voice prompts installed.

For more information, see the following documentation:
- MiVoice MX-ONE Recorded Voice Announcement, Operational Directions

Skype for Business 2015

Integration of MiVoice MX-ONE with Microsoft Lync Server 2015 is supported as a complementary solution providing end-user services, such as instant messaging and conferencing. In addition, the process of certificate export from the CA server is updated with the latest screen shots.

For more information, see the following document:
- Integration of MiVoice MX-ONE and Microsoft® Lync Server™ 2015, Quick Setup Guide

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.