

uniteme 18.12.centos7

March 6, 2018

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Summary

eZuce is pleased to announce the General Availability of Uniteme 18.12.centos7. This release includes all of the same new features, improvements and fixes from 18.12 but now allows users to operate on CentOS 7.

The developers and QA staff have been incredibly busy as we've had to touch every service of the system and get them to compile and start (thanks team!). All services startup has moved to systemctl for service startup so there was lots of scripting work to be done. Additionally we've moved to pre-built freeswitch packages (1.6.20-64bit) instead of building our own.

With all CentOS 7 builds we're moving away from building ISO's. Users will need to use the CentOS 7 64 Bit minimal ISO and then perform an RPM install. The ISO creation process is a drain on resources and as we move towards a container based deployment would not be used.

We're almost done with coding for the next release (19.04). This release will include support for the new Polycom x50 VVX phones. We'll also still have both CentOS 6 and 7 releases but this will be the last release done for CentOS 6. Looking forward to version 19.08, we will release for CentOS 7 only and with no ISO's.

Highlights

uniteme New Features

- Uniteme on CentOS 7
- Allow user to choose language in UniteWeb

uniteme Improvements

- Move to systemctl for service control
- Upgrade Freeswitch to 1.6.20
- Enhance gridfs-voicemail-cli tool to clean up voicemails across entire database
- In UniteWeb allow users to listen to MoH and Greeting files in GUI
- Upgraded fail2ban to 0.9.6
- Added support for newer Yealink phones

Notes

1. With the upgrade to CentOS 7, the user must install a fresh install of CentOS 7-64 bit and then use the RPM Installation method.
2. During configuration you will see some errors being echoed to the screen. There's some issue with CFEngine that the CFE team hasn't resolved yet. The errors are benign. You'll see something like the following:

System Requirements

For a reasonably performing system, we recommend the following configuration.

Minimum hardware requirements

- Pentium 4 or Xeon processor @ 2.0 GHz Core 64bit or higher
- Minimum 8 GB of RAM with sufficient swap space
- 80 GB disk (75 users depending on usage patterns)

Notes:

- **uniteme** supports an unlimited number of voicemail boxes, the total number of hours of recorded messages is determined by the size of the hard-disk. As a rule, for every minute of recorded messages, you will need 1 MB of disk space (About 3 hours per 10 GB of disk space).

Operating System

CentOS/RHEL 7 x86_64 with latest updates is required.

Devices

Phones

- **Polycom VVX Devices** with firmware 5.9.1 (split) are recommended for new installations
- **Polycom SoundPoint IP** Devices should run firmware 4.0.14 (split)

Gateways

- **AudioCodes Gateways** are recommended for PSTN connectivity

SBCs

- **Frafos, Sangoma, Acme Packet and Ingate** SBCs are recommended for SIP Trunking and Remote Worker connectivity (commonly referred to as sipXbridge and MediaRelay services respectively).
- **NOTE:** The eZuce **uniteme** - "Use built-in SIP Trunk SBC" found in Gateway Details for use with Trunking or Remote Worker solutions should be used only for lab purposes. Additionally, sipXbridge does not work in an HA environment.

Documentation

Technical Reference Manuals, User Guides, Reach Reference Manuals, and other technical and user information can be found under the following link: [Documentation Page](#)

Installing from Repository

uniteme can be installed using the following procedure

- Download and install CentOS 7.x minimal ISO
- Run the following command:

```
yum update && reboot
```

- Run the following commands to retrieve and run the eZuce **uniteme** installer:

```
curl https://download.ezuce.com/openuc-setup > /usr/bin/openuc-setup
chmod +x /usr/bin/openuc-setup
openuc-setup
```

This utility will guide you through the process of installing **uniteme** from the eZuce software repository.

Upgrade from previous versions

New Procedure

To upgrade to this version of **uniteme** you will need to backup your current installation, install a new CentOS 7 server, install **uniteme** from RPM and then restore the previous backup. It's safest to do this with a new physical or virtual server so as to have a means to get back to your old installation should you have trouble.

Backup your system - [Backup](#)

Download and Install CentOS 7 minimal (or RHEL 7) - <https://www.centos.org/download/>

Follow above instructions for "Installing from Repository" or refer to the following wiki page - [RPM Installation](#)

Restore your system - [Restore](#)

Questions

If you have questions about updating you can email sa@ezuce.com or if you need assistance with the update contact your account manager or email sales@ezuce.com.

Specific Issues Addressed

Issues Sorted by Issue Number

Jira #	JIRA Name	RN Content	Enhancement /Fix/Known Issue	Key words
SIPX-751	Adapt sipx services / utilities for CentOS 7	<ul style="list-style-type: none"> Change from system to systemctl support Adapt components for new APIs Test 	Enhancement	
SIPX-752	Adapt build for CentOS 7	<ul style="list-style-type: none"> Change RPM specs, deps Setup EPEL mirror, change build code to use new EPEL format Setup build machine, publish RPMs 	Enhancement	
SIPX-759	Jitsi preferred transport velocity file	<p>There is an error in the Jitsi velocity file with the Preferred_Transport parameter.</p> <p>The correct parameter name in velocity file is: PREFFERED_TRANSPORT -> PREFERRED_TRANSPORT</p>	Fix	Jitsi
SIPX-774	Add provisioning support for new Yealink T46S T48S ...	<p>Add support for newer Yealink S-Series.</p> <p>Old phones are not available anymore (chips will not be produced anymore).</p>	Enhancement	Yealink
SIPX-775	Upgrade fail2ban to v0.9.6	<p>The system is currently using an older version of fail2ban (0.8.1) which is known to be buggy and throws iptables errors in the log, such as these:</p> <pre>2018-11-07 14:54:56,664 fail2ban.actions.action: ERROR iptables -D INPUT -p all -j security-block iptables -F security-block iptables -X security-block returned 100</pre>	Enhancement	Fail2ban
SIPX-776	Change block size in TFTP service to 1300	Several provisioning problems were tracked to TFTP using 4096 byte UDP blocks which get fragmented and lost on the way in some network environments.	Fix	TFTP
SIPX-777	sipxsecurity and firewall logs not appended after rotate	Customer reported that if they put in a filter to watch IP tables for bans, but their sipxsecurity logs show no activity day after day since the last system restart.	Fix	Logs

SIPX-778	Grace period is not being read properly by registrar service	The grace period in registrar options does not work as expected. Upon investigation, it became clear that the option is being written in registrar config but not being used. Registrar startup shows value being 0 in 18.04 and later regardless of the setting (SIP_REGISTRAR_EXPIRE_GRACE_PERIOD in /etc/sipxpbx/registrar-config): "2018-10-29T14:52:59.016784Z":13:SIP:INFO:18081.iuliu.test::7f57c70c9800:sipxregistry:"RegDB::ensureIndexes existing client: no, expireGracePeriod: 0, expirationTimeIndexTTL: 0"	Fix	Registrar
SIPX-785	sipxbridge fails to start at system	sipXbridge fails to start at boot time. Upon manual startup, the service stays up. Also, backport this to 18.12 for CentOS 6.	Fix	sipXbridge
UC-4761	sipx-dbutil -r not working properly on 18.04 update 1	sipx-dbutil -r is not working on 18.04 update 1, it only returns registrations on the primary. Testing indicated that the issue only occurs on servers which are not both Mongo PRIMARY and SIPXCONFIG master. Engineering recommended that line 609 in /bin/sipx-dbutil should be changed from client = pymongo.Connection('localhost', 27017) in client = pymongo.Connection('localhost', 27017, slaveOk=True) To allow issuing on SIPXCONFIG master and Mongo PRIMARY or SECONDARY. https://ezuce.zendesk.com/agent/tickets/8020	Fix	Tools
UC-4770	Allow to listen moh and greeting file from user settings	Show audio controls bellow the listen and delete button to be able to pause, change volume, download when listening to the greeting or moh file in user settings instead of opening it in new tab.	Enhancement	UniteWeb
UC-4774	Conferences are automatically saved in Inbox	Conferences should be saved in conference folder	Fix	Conference
UC-4787	gridfs-voicemail-cli.jar Not Deleting Globally	gridfs-voicemail-cli.jar is assumed to delete voicemails globally in the same fashion as setting a retention policy on user voicemail. Using the command, java -jar gridfs-voicemail-cli.jar --voicemailCleanup 7, should delete all voicemail messages older than 7 days EXCLUDING the saved folder. This would mirror the same functionality observed within the Uniteme web interface. This would also be useful to be able to use within the new voicemail-cli script that was created recently. Does not need to be backported to 17.10-stage as long as an updated jar file can be loaded on the customers system requesting the functionality as they are only using it to cleanup database in preparation for upgrade to 18.08.	Enhancement	Tools
UW-408	Add language support	Add possibility to change language in user portal.	Enhancement	UniteWeb