

UCS 3.2-8 Release Notes



**Release notes for the installation and update
of Univention Corporate Server (UCS) 3.2-8**

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Chapter 1. Univention Corporate Server (UCS) 3.2-8

The eighth point release for Univention Corporate Server (UCS) is now available in the form of Univention Corporate Server 3.2-8. The online repository provided by Univention can be used to update existing UCS systems or, alternatively, updates can be installed from an update DVD. UCS 3.2-8 includes all the errata updates published for UCS 3.2-7.

Chapter 2. Recommended update order for environments with more than one UCS server

In environments with more than one UCS system, the update order of the UCS systems must be borne in mind:

The authoritative version of the LDAP directory service is maintained on the master domain controller and replicated on all the remaining LDAP servers of the UCS domain. As changes to the LDAP schemes can occur during release updates, the master domain controller must always be the first system to be updated during a release update.

It is generally advisable to update all UCS systems in one maintenance window whenever possible.

Chapter 3. Preparation of update

It must be checked whether sufficient disk space is available. A standard installation requires a minimum of 6 GB of disk space. Depending on the scope of the existing installation, the update will require at least another 1 GB of disk space for the downloading and installation of the packages.

For the update, a login should be performed on the system's local console as user `root`, and the update should be initiated there. Alternatively, the update can be conducted using Univention Management Console.

Remote updating via SSH is not recommended as this may result in the update procedure being cancelled, e.g., if the network connection is interrupted. In consequence, this can affect the system severely. If updating should occur over a network connection nevertheless, it must be verified that the update continues despite disconnection from the network. This can be done, e.g., using the tools `screen` and `at`. These tools are installed on all system roles by default.

Chapter 4. Postprocessing of the update

Following the update, new or updated join scripts need to be executed. This can be done in two ways: Either using the UMC module **Domain join** or by running the command `univention-run-join-scripts` as user `root`.

Subsequently the UCS system needs to be restarted.

4.1. Operating a local repository server / pre-up/ post-up scripts Feedback

Pre-up and post-up scripts are scripts which are run before and after release updates (e.g., for post-processing the update, for example by uninstalling obsolete packages). As of UCS 3.2, these scripts are cryptographically signed to prevent unauthorized modification. During the update and when mirroring the repository these signatures are checked. If they're invalid or missing, the action is aborted.

If a repository server is operated with UCS 3.1-x, it should be updated to UCS 3.2 before additional systems can be updated to UCS 3.2-1 or newer.


If it is not possible to update the repository server, the signature files must be downloaded manually:

```
LOCAL_DIR="/var/lib/univention-repository/mirror"
SERVER="http://updates.software-univention.de"
for release in 3.2-0 3.2-1 3.2-2 3.2-3 3.2-4 3.2-5 3.2-6 3.2-7 3.2-8; do
  for script in preup postup; do
    file="3.2/maintained/$release/all/$script.sh.gpg"
    wget -O "$LOCAL_DIR/$file" "$SERVER/$file"
  done
done
```

Alternatively, it is also possible to disable the signature checks, which can be a security risk. For the repository server this can be done by setting the Univention Configuration Registry variable `repository/mirror/verify` to `false`. For the update the Univention Configuration Registry variable `repository/online/verify` must be set to `false` on all systems.

Chapter 5. Further notes on selected packages

5.1. Collection of usage statistics when using the free-for-personal-use version


Feedback 

Anonymous usage statistics on the use of Univention Management Console are collected when using the free for personal use version of UCS (which is generally used for evaluating UCS). The modules opened are logged in an instance of the web traffic analysis tool Piwik. This makes it possible for Univention to tailor the development of Univention Management Console better to customer needs and carry out usability improvements.

This logging is only performed when the free-for-personal-use license is used. The license status can be verified by clicking on the cog symbol in the top right corner of the Univention Management Console and selecting **License information**. If Free for personal use edition is listed under **License type**, this version is in use. When a regular UCS license is used, no usage statistics are collected.

Independent of the license used, the statistics generation can be deactivated by setting the Univention Configuration Registry variable `umc/web/piwik` to `false`.


5.2. UEFI installation DVD

Feedback 

In addition to the standard installation DVD there is also a medium with support for the Unified Extensible Firmware Interface standard (UEFI) available for the amd64 architecture.


It must be used instead of the standard DVD on systems which only support a UEFI boot.

5.3. Scope of security support for WebKit, Konqueror and QtWebKit

Feedback 

WebKit, Konqueror and QtWebKit are shipped in the maintained branch of the UCS repository, but not covered with security support. WebKit is primarily used for displaying HTML help pages etc. Firefox should be used as web browser.

5.4. Recommended browsers for the access to Univention Management Console


Feedback 

Univention Management Console uses numerous JavaScript and CSS functions to display the web interface. Cookies need to be permitted in the browser. The following browsers are recommended:

- Chrome as of version 14
- Firefox as of version 10
- Internet Explorer as of version 9
- Safari (on the iPad 2)

Users with older browsers may experience display or performance problems.

5.5. Restrictions in Samba 4 operation


Feedback 

Some Active Directory functions are currently not available in Samba 4:

- Microsoft Windows domain controllers must not be joined in a Samba 4 domain and vice versa.
- Selective replication is not possible with Samba 4 as this is not supported by Active Directory in principle (in UCS@school selective replication is implemented through the listener/notifier replication mechanism).
- Samba 4 does not support forest domains.
- Samba 4 does not support trust relationships.

Further information can be found in Chapter 8 of the [ucs-manual].


5.6. Installation in *VirtualBox*

Feedback 

During the installation of UCS in the virtualization solution *VirtualBox*, a *VirtualBox* bug may appear which has been corrected in version 4.2: if UCS has been successfully installed and the DVD is still in the disk drive, the installation DVD offers the option **Boot from first harddisk partition**. If you select this option, *VirtualBox* freezes.

For Linux distributions which still use *VirtualBox* 4.0 or 4.1, either the installation DVD should be removed from the drive settings of the *VirtualBox* VM or **F12** pressed when starting the virtual instance and the hard drive selected as a boot partition as a workaround before starting the UCS VM. UCS will then start successfully.

5.7. Installation in *Citrix XenServer*


Feedback 

When UCS is installed in the virtualization solution *Citrix XenServer 6.0 - 6.2*, the GRUB menu of the Univention installer is not shown with the *Cirrus* graphics card emulated as standard. The Univention Installer can be started directly by pressing the **ENTER** key; alternatively, the installation starts automatically after sixty seconds. The Univention Installer which then starts is displayed as normal.

To display GRUB correctly, the graphics card emulated by *XenServer* can be reconfigured. This is done by logging on to the *XenServer* system as the `root` user. Firstly, the `xe vm-list` command is used to determine the UUID of the virtual machine. The following command is then used to reconfigure the emulated graphics card to VGA:

```
xe vm-param-set uuid=UUIDVM platform:vga=std
```

5.8. Migration of a Samba 3 environment to Samba 4

Feedback 

There are two basic procedures for migrating Samba 3 to Samba 4:

- Setup of a parallel Samba 4 domain. Both domains use different NetBIOS names and SIDs. The clients then join the Samba 4 step by step.
- Migration of all systems within one maintenance window.

Both procedures are documented in detail in the Univention Wiki: http://wiki.univention.de/index.php?title=Migration_from_Samba_3_to_Samba_4.


5.9. Xen

If the Xen hypervisor is used and the memory limit for the dom0 has been configured using the Univention Configuration Registry-Variable `grub/xenhopt`, the value should be updated to include the `,max:` part as well. See the http://wiki.univention.de/index.php?title=UVMM_Quickstart-3.1/en#Configuring_the_Dom0 for details.

Chapter 6. Changelog

Listed are the changes since UCS 3.2-7:

6.1. General

Feedback 

All security updates issued for UCS 3.2-7 are included:

- **acpi-support** (CVE-2014-0484 CVE-2014-1419) (Bug 35439)
- **apache2** (CVE-2013-6438 CVE-2014-0226 CVE-2014-0118 CVE-2014-0231 CVE-2014-3581 CVE-2013-5704 CVE-2015-3183) (Bug 33286)
- **file** (CVE-2014-1943 CVE-2014-2270 CVE-2013-7345 CVE-2014-3487 CVE-2014-3479 CVE-2014-3480 CVE-2014-0207 CVE-2014-3478 CVE-2014-3587 CVE-2014-3710 CVE-2014-8116 CVE-2014-8117 CVE-2014-9653 CVE-2014-0237 CVE-2014-0238 CVE-2014-3538) (Bug 34135)
- **squid3** (CVE-2015-5400) (Bug 35853)
- **qt4-x11** (CVE-2011-3193 CVE-2011-3194 CVE-2013-0254 CVE-2015-0295 CVE-2015-1858 CVE-2015-1859 CVE-2015-1860) (Bug 33269)
- **openldap** (CVE-2015-1545 CVE-2015-6908) (Bug 38424 Bug 37728)
- **postgresql-8.4** (CVE-2015-3165 CVE-2015-3166 CVE-2015-3167) (Bug 38607)
- **xen-4.1** (CVE-2012-5511 CVE-2013-4416 CVE-2013-4554 CVE-2013-6885 CVE-2013-2212 CVE-2014-1666 CVE-2015-2752 CVE-2015-2152 CVE-2015-3340 CVE-2015-4103 CVE-2015-4104 CVE-2015-4105 CVE-2015-2756 CVE-2015-4106 CVE-2015-3209 CVE-2015-4164 CVE-2015-3259 CVE-2015-5154 CVE-2015-5165) (Bug 35104 Bug 38565)
- **firefox-de** (CVE-2015-4498 CVE-2015-4497 CVE-2015-4517 CVE-2015-4521 CVE-2015-4522 CVE-2015-7174 CVE-2015-7175 CVE-2015-7176 CVE-2015-7177 CVE-2015-7180 CVE-2015-4520 CVE-2015-4519 CVE-2015-4509 CVE-2015-4506 CVE-2015-4500 CVE-2015-4511) (Bug 39338)
- **firefox-en** (CVE-2015-4498 CVE-2015-4497 CVE-2015-4517 CVE-2015-4521 CVE-2015-4522 CVE-2015-7174 CVE-2015-7175 CVE-2015-7176 CVE-2015-7177 CVE-2015-7180 CVE-2015-4520 CVE-2015-4519 CVE-2015-4509 CVE-2015-4506 CVE-2015-4500 CVE-2015-4511) (Bug 39338)
- **cups** (CVE-2015-3258 CVE-2015-3279) (Bug 39401)
- **subversion** (CVE-2013-1845 CVE-2013-1846 CVE-2013-1847 CVE-2013-1849 CVE-2014-0032 CVE-2014-3580 CVE-2015-0248 CVE-2015-0251 CVE-2015-3187) (Bug 33285)
- **php5** (CVE-2015-3307 CVE-2015-3411 CVE-2015-3412 CVE-2015-4021 CVE-2015-4022 CVE-2015-4025 CVE-2015-4026 CVE-2015-4147 CVE-2015-4148 CVE-2015-4598 CVE-2015-4599 CVE-2015-4600 CVE-2015-4601 CVE-2015-4602 CVE-2015-4604 CVE-2015-4605 CVE-2015-4022 CVE-2015-4643 CVE-2015-4644 CVE-2015-5589 CVE-2015-5590 CVE-2015-6831 CVE-2015-6832 CVE-2015-6833 CVE-2015-6834 CVE-2015-6836 CVE-2015-6837 CVE-2015-6838 CVE-2015-7803 CVE-2015-7804) (Bug 39214)
- **openjdk-6** (CVE-2015-2590 CVE-2015-2601 CVE-2015-2613 CVE-2015-2619 CVE-2015-2621 CVE-2015-2625 CVE-2015-2628 CVE-2015-2632 CVE-2015-2637 CVE-2015-2638 CVE-2015-2808 CVE-2015-4000 CVE-2015-4731 CVE-2015-4732 CVE-2015-4733 CVE-2015-4748 CVE-2015-4749 CVE-2015-4760) (Bug 38929)


- *openssh* (CVE-2015-5352 CVE-2015-5600) (Bug 39437)
- *qemu-kvm* (CVE-2015-5165 CVE-2015-5745 CVE-2015-5278 CVE-2015-5279 CVE-2015-6815 CVE-2015-6855) (Bug 39545)
- *xen-4.1* (CVE-2015-7835 CVE-2015-7969 CVE-2015-7969 CVE-2015-7971) (Bug 39684)

6.2. Univention Installer


Feedback 

- The testing repositories have been renamed (Bug 39324).

6.3. Domain services

Feedback 

6.3.1. OpenLDAP

Feedback 

6.3.1.1. Listener/Notifier domain replication

Feedback 

- Some replicated objects were not deleted, when the LDAP server closed its side of the LDAP connection (Bug 39439).

6.4. Software deployment

Feedback 

6.4.1. Software deployment command line tools

Feedback 

- The update scripts have been adjusted to UCS 3.2-8 (Bug 40010).

6.5. System services

Feedback 

6.5.1. DHCP

Feedback 

- The default routing policy is only updated for the first created DHCP subnet (Bug 39238).

Bibliography

[ucs-manual] Univention GmbH. 2014. *Univention Corporate Server - Manual for users and administrators*. <http://docs.univention.de/manual-3.2.html>.