

## UCS 4.0-5 Release Notes



**Release notes for the installation and update  
of Univention Corporate Server (UCS) 4.0-5**

Alle Rechte vorbehalten. / All rights reserved.

(c) 2002-2016 Univention GmbH

Mary-Somerville-Straße 1, 28359 Bremen, Deutschland/Germany

<feedback@univention.de>

Jede aufgeführte Marke und jedes Warenzeichen steht im Eigentum ihrer jeweiligen eingetragenen Rechtsinhaber. Linux ist ein eingetragenes Warenzeichen von Linus Torvalds.

The mentioned brand names and registered trademarks are owned by the respective legal owners in each case. Linux is a registered trademark of Linus Torvalds.

## Table of Contents

|  |    |
|--|----|
| 1. Release highlights .....  | 4  |
| 2. Notes on the update .....   | 5  |
| 2.1. Recommended update order for environments with more than one UCS server ..... | 5  |
| 2.2. UCS installation DVDs only available for 64 bit .....                         | 5  |
| 3. Preparation of update .....   | 6  |
| 4. Postprocessing of the update .....  | 7  |
| 5. Further notes on selected packages .....  | 8  |
| 5.1. Collection of usage statistics .....  | 8  |
| 5.2. Scope of security support for WebKit, Konqueror and QtWebKit .....            | 8  |
| 5.3. Recommended browsers for the access to Univention Management Console .....    | 8  |
| 6. Changelog .....   | 9  |
| 6.1. General .....   | 9  |
| 6.2. Basic system services .....   | 10 |
| 6.2.1. Linux kernel and firmware packages .....                                    | 10 |
| 6.2.2. Boot Loader .....   | 10 |
| 6.3. Domain services .....   | 10 |
| 6.3.1. OpenLDAP .....  | 10 |
| 6.3.1.1. Listener/Notifier domain replication .....                                | 10 |
| 6.3.1.2. DNS server .....  | 10 |
| 6.4. Univention Management Console .....   | 10 |
| 6.4.1. Univention Management Console web interface .....                           | 10 |
| 6.4.2. Mail .....  | 10 |
| 6.5. System services .....   | 11 |
| 6.5.1. Mail services .....   | 11 |
| 6.5.2. Proxy services .....  | 11 |
| 6.6. Virtualization .....  | 11 |
| 6.6.1. Univention Virtual Machine Manager (UVMM) .....                             | 11 |
| 6.7. Services for Windows .....  | 11 |
| 6.7.1. Samba .....   | 11 |
| 6.7.2. Univention S4 Connector .....   | 12 |
| 6.8. Other changes .....   | 12 |


# Chapter 1. Release highlights

With Univention Corporate Server 4.0-5, the fifth point release of Univention Corporate Server (UCS) 4.0 is now available. It provides various improvements and bugfixes especially in the areas of Active Directory compatibility, and UCS management system. All security updates released for UCS 4.0-4 are included in this update.

## Chapter 2. Notes on the update

During the update some services in the domain may not be available, i.e. the update should occur in a maintenance window. It is recommended to test the update in a separate test environment prior to the actual update. The test environment should be identical to the production environment. Depending on the system performance, network connection and the installed software the update takes between 20 minutes and several hours.


### 2.1. Recommended update order for environments with more than one UCS server

Feedback 

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.

### 2.2. UCS installation DVDs only available for 64 bit

Feedback 

Starting with UCS 4.0 UCS, installation DVDs are only provided for the x86 64 bit architecture (amd64). Existing 32 bit UCS 3 systems can still be updated to UCS 4.0 through the online repository or by using update DVDs. The 32 bit architecture will be supported over the entire UCS 4 maintenance.

## 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 about another 2 GB of disk space for downloading and installing all 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.

# Chapter 5. Further notes on selected packages

## 5.1. Collection of usage statistics


Feedback 

Anonymous usage statistics on the use of Univention Management Console are collected when using the *UCS Core Edition* 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 *UCS Core Edition* license is used. The license status can be verified via the menu entry **License** -> **License information** of the user menu in the upper right corner of Univention Management Console. If **UCS Core 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. 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.

## 5.3. 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 33
- Firefox as of version 24
- Internet Explorer as of version 9
- Safari and Safari Mobile as of version 7


Users with older browsers may experience display or performance problems.



# Chapter 6. Changelog

Listed are the changes since UCS 4.0-4:


## 6.1. General

Feedback 


- All security updates issued for UCS 4.0-4 are included:
  - **firefox** (CVE-2015-7181 CVE-2015-7182 CVE-2015-7183 CVE-2015-7197 CVE-2015-7198 CVE-2015-7199 CVE-2015-7200 CVE-2015-7196 CVE-2015-7194 CVE-2015-7193 CVE-2015-7189 CVE-2015-7188 CVE-2015-4513) (Bug 39785)..
  - **ntp** (CVE-2014-9750 CVE-2014-9751 CVE-2015-3405 CVE-2015-5146 CVE-2015-5194 CVE-2015-5195 CVE-2015-5219 CVE-2015-5300 CVE-2015-7691 CVE-2015-7692 CVE-2015-7701 CVE-2015-7702 CVE-2015-7703 CVE-2015-7704 CVE-2015-7850 CVE-2015-7851 CVE-2015-7852 CVE-2015-7855 CVE-2015-7871) (Bug 39628).
  - **rpcbind** (CVE-2015-7236) (Bug 39548).
  - **ldb** (CVE-2015-3223 CVE-2015-5330) (Bug 40222).
  - **samba** (CVE-2015-2535 CVE-2015-3223 CVE-2015-5252 CVE-2015-5296 CVE-2015-5299 CVE-2015-5330) (Bug 39217 Bug 39276 Bug 40222).
  - **mysql-5.5** (CVE-2015-4792 CVE-2015-4802 CVE-2015-4815 CVE-2015-4816 CVE-2015-4819 CVE-2015-4826 CVE-2015-4830 CVE-2015-4836 CVE-2015-4858 CVE-2015-4861 CVE-2015-4870 CVE-2015-4879 CVE-2015-4913) (Bug 40184).
  - **openjdk-7** (CVE-2015-4734 CVE-2015-4803 CVE-2015-4805 CVE-2015-4806 CVE-2015-4835 CVE-2015-4840 CVE-2015-4842 CVE-2015-4843 CVE-2015-4844 CVE-2015-4860 CVE-2015-4868 CVE-2015-4871 CVE-2015-4872 CVE-2015-4881 CVE-2015-4882 CVE-2015-4883 CVE-2015-4893 CVE-2015-4903 CVE-2015-4911) (Bug 40042).
  - **openssh** (CVE-2016-0777 CVE-2016-0778) (Bug 40439).
  - **linux** (CVE-2013-4312 CVE-2013-7446 CVE-2015-0272 CVE-2015-1333 CVE-2015-1420 CVE-2015-2925 CVE-2015-3212 CVE-2015-3290 CVE-2015-3291 CVE-2015-4167 CVE-2015-4692 CVE-2015-4700 CVE-2015-5156 CVE-2015-5157 CVE-2015-5257 CVE-2015-5283 CVE-2015-5307 CVE-2015-5364 CVE-2015-5366 CVE-2015-5697 CVE-2015-5706 CVE-2015-5707 CVE-2015-6252 CVE-2015-6937 CVE-2015-7513 CVE-2015-7550 CVE-2015-7566 CVE-2015-7613 CVE-2015-7799 CVE-2015-7833 CVE-2015-7872 CVE-2015-7990 CVE-2015-8104 CVE-2015-8374 CVE-2015-8543 CVE-2015-8550 CVE-2015-8551 CVE-2015-8552 CVE-2015-8569 CVE-2015-8575 CVE-2015-8709 CVE-2015-8767 CVE-2016-0723 CVE-2016-0728) (Bug 38764).
  - **firefox** (CVE-2015-7214 CVE-2015-7222 CVE-2015-7213 CVE-2015-7205 CVE-2015-7212 CVE-2015-7210 CVE-2015-7201 CVE-2015-7575 CVE-2016-1935 CVE-2016-1930) (Bug 40273).
  - **gnutls26** (CVE-2015-7575 CVE-2015-8313) (Bug 40411).
  - **libxml2** (CVE-2015-1819 CVE-2015-7941 CVE-2015-7942 CVE-2015-8035 CVE-2015-5312 CVE-2015-7497 CVE-2015-7498 CVE-2015-7499 CVE-2015-7500 CVE-2015-8241 CVE-2015-8317) (Bug 38907).
  - **eglibc** (CVE-2014-8121 CVE-2015-1781 CVE-2015-7547 CVE-2015-8776 CVE-2015-8777 CVE-2015-8778 CVE-2015-8779) (Bug 38407).

- *samba* (CVE-2015-7560) (Bug 40679 Bug 40850).
- *sudo* (CVE-2015-5602) (Bug 40365).
- *openssl* (CVE-2015-3194 CVE-2015-3195 CVE-2015-3196 CVE-2015-7575 CVE-2016-0705 CVE-2016-0798 CVE-2016-0797 CVE-2016-0799 CVE-2016-0702) (Bug 40188).
- *apache2* (CVE-2015-3183) (Bug 39066).

## 6.2. Basic system services


Feedback 

### 6.2.1. Linux kernel and firmware packages

Feedback 


- The Linux kernel has been updated to *3.16.7-ckt20*. It provides many bugfixes and fixes several vulnerabilities (Bug 38764).

### 6.2.2. Boot Loader


Feedback 

- Two new Univention Configuration Registry variable `grub/default` and `grub/savedefault` are added, which allow the selection of the next kernel to boot (Bug 40509).

## 6.3. Domain services

Feedback 

### 6.3.1. OpenLDAP

Feedback 


- The group access for the LDAPI socket interface has been removed (Bug 39812).

#### 6.3.1.1. Listener/Notifier domain replication

Feedback 

- The flushing of the listener cache has been disabled during module initialization (Bug 39958).
- Some replicated objects were not deleted, when the LDAP server closed its side of the LDAP connection. This issue has been fixed (Bug 40066).
- The timeout for the initial LDAP search during domain join has been increased to two hours, as joining in a large domain can take much longer than the default five minutes. The time can be changed through the Univention Configuration Registry variable `listener/timeout/scans` (Bug 40230).

#### 6.3.1.2. DNS server

Feedback 

- The Univention Configuration variables `dns/nameserver/registration/forward_zone` and `dns/nameserver/registration/reverse_zone` have been added that allow to disable the automatic registration as additional nameserver (Bug 39384).

## 6.4. Univention Management Console


Feedback 

### 6.4.1. Univention Management Console web interface

Feedback 


- The expiration date has been increased by 5 years. This results in a traceback during the login on the 29th of February. This issue has been fixed (Bug 40791).

### 6.4.2. Mail


Feedback 

- Domain names for mail domains are now lowercased (Bug 40108).

## 6.5. System services


Feedback 

### 6.5.1. Mail services

Feedback 


- A bug in the mailing list filter policy server allowed senders with an empty email address to send to restricted mailing lists. This issue has been fixed (Bug 40352).
- An error in the dovecot listener could lead to the unintended deletion of a shared folder if the corresponding LDAP objects was changed. This issue has been fixed (Bug 40018).
- The UMC permissions *write* and *all* for shared folders did not contain the IMAP permission for expunge. A removal of mails or moving mails was not possible. This problem has been fixed and the permission will be updated automatically if the join script of *univention-mail-dovecot* is called (Bug 40037).
- A problem regarding IMAP ACLs at shared folders with primary mail address has been fixed. ACLs that have been removed via Univention Management Console or CLI have not been removed on the IMAP server (Bug 40195).
- A file for the process of handling user renames has been moved to a secure location (Bug 40583, Bug 40584).

### 6.5.2. Proxy services


Feedback 

- This update adds the possibility to define the number of squid's rewrite helper processes via the new Univention Configuration Registry variable `squid/rewrite/children` (Bug 40094).
- A new configuration option `dbtemp` has been added that specifies a directory for temporary backing files of squidGuard's in-memory databases (Bug 40593).

## 6.6. Virtualization


Feedback 

### 6.6.1. Univention Virtual Machine Manager (UVMM)


Feedback 

- Some unused helper code has been removed to fix an import error of the Python libvirt module from the UVMM Univention Directory Listener module handling the dynamic addition and removal of virtualization hosts (Bug 40255).

## 6.7. Services for Windows


Feedback 

### 6.7.1. Samba

Feedback 


- The ACL check in the SYSVOL sync script is now limited to the Policies directory (Bug 40267).
- There are two new Univention Configuration Registry variables `samba4/sysvol/sync/from_upstream` and `samba4/sysvol/sync/from_downstream` which can be used to deactivate copying files from other domain controllers (Bug 40314).
- The SYSVOL sync script now checks if any changes need to be synchronized at all and it uses file locking to coordinate concurrent read and write processes (Bug 40346).
- On UCS@school Samba AD DC Slaves the *univention-samba4* joinscript could take a long time to wait in vain for an object to get synchronized to the DC Master (Bug 40387).

## 6.7.2. Univention S4 Connector

Feedback 

- The synchronization failed if a removed user was recreated at a different position. This issue has been fixed (Bug 40234).
- The new package *univention-nagios-s4-connector* provides a Nagios plugin to check the state of the Univention S4 Connector (Bug 40345).
- *msPrint-ConnectionPolicy* objects are now synced if the Univention Configuration Registry variable `connector/s4/mapping/msprintconnectionpolicy` is set to true. The Univention S4 Connector has to be restarted after changing this variable). This is required for UCS@school and will be set there accordingly (Bug 40299, Bug 40466).
- Univention S4 Connector was still running during re-joins. This issue has been fixed (Bug 40389).
- Wildcard DNS records didn't get synchronized any more. This issue has been fixed (Bug 40381).

## 6.8. Other changes

Feedback 

- The package *lksctp-tools* has been added as a new dependency of OpenJDK-7 (Bug 40042).