

## UCS 4.0-3 Release Notes



**Release Notes für die Inbetriebnahme und Aktualisierung  
von Univention Corporate Server (UCS) 4.0-3**

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

<feedback@univention.de>

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# Kapitel 1. Release-Highlights


Mit Univention Corporate Server 4.0-3 steht das dritte Point-Release für Univention Corporate Server (UCS) 4.0 zur Verfügung. Es umfasst diverse Detailverbesserungen und Fehlerkorrekturen. Die wichtigsten Änderungen im Überblick:

- Der Mailserver Dovecot wurde als Standard IMAP/POP3-Server in UCS integriert und bietet somit eine Alternative zum weiterhin zur Verfügung stehenden Cyrus IMAP Server. Weitere Informationen zur Integration sind in diesem Artikel beschrieben.
- Mit dem Update auf Samba 4.2.3 wurde die Kompatibilität zu Active Directory weiter ausgebaut. Dies beinhaltet u.a. Verbesserungen in der DRS-Replikation und der Handhabung von Druckertreibern. Auch ist der Domänenbeitritt von Huawei Storage Systemen in die von UCS bereitgestellte Active Directory-Domäne nun möglich.
- Es gibt zahlreiche Verbesserungen in Design und Usability des UCS-Managementsystems. So ist es nun bspw. möglich die Vor- und Zurück-Buttons des Webbrowsers zu benutzen. Dies ermöglicht ein einfacheres und schnelleres Navigieren in der Managementoberfläche.
- Für LDAP-Richtlinien können nun LDAP-Filter definiert werden, das bedeutet die LDAP-Richtlinien gelten nur auf die Objekte, die dem LDAP-Filter entsprechen. Dadurch ist es, vor allen in größeren Umgebungen möglich, LDAP-Richtlinien noch einfacher und generischer anzuwenden.
- Der Linux Kernel wurde auf den letzten stabilen 3.16er *Longterm-Kernel* aktualisiert. Dieser beinhaltet diverse Sicherheitsaktualisierungen sowie neuere und aktualisierte Treiber für eine verbesserte Hardware-Unterstützung.
- Sämtliche für UCS 4.0-2 veröffentlichten Sicherheitsupdates sind in diesem Update enthalten. Um die Sicherheit des UCS-Systems zu erhöhen, ist es nun einfach per Univention Configuration Registry-Variablen möglich die HTTP-Anfragen auf HTTPS umzuleiten.

## Kapitel 2. Hinweise zum Update

Während der Aktualisierung kann es zu Ausfällen von Diensten innerhalb der Domäne kommen. Aus diesem Grund sollte das Update innerhalb eines Wartungsfensters erfolgen. Grundsätzlich wird empfohlen das Update zunächst in einer Testumgebung einzuspielen und zu testen. Die Testumgebung sollte dabei identisch zur Produktivumgebung sein. Je nach Systemgeschwindigkeit, Netzwerkanbindung und installierter Software kann das Update zwischen 20 Minuten und mehreren Stunden dauern.


### 2.1. Empfohlene Update-Reihenfolge

Feedback 

In Umgebungen mit mehr als einem UCS-System muss die Update-Reihenfolge der UCS-Systeme beachtet werden:

Auf dem Domänencontroller Master wird die maßgebliche (authoritative) Version des LDAP-Verzeichnisdienstes vorgehalten, die an alle übrigen LDAP-Server der UCS-Domäne repliziert wird. Da bei Release-Updates Veränderungen an den LDAP-Schemata auftreten können, muss der Domänencontroller Master bei einem Release-Update immer als erstes System aktualisiert werden.

### 2.2. UCS-Installations-DVDs nur noch als 64-Bit-Variante

Feedback 

UCS-Installations-DVDs werden ab UCS 4 nur noch für 64-Bit-Architekturen bereitgestellt. Vorhandene 32-Bit UCS 3 Systeme können weiterhin über das Online Repository oder über Update DVDs auf UCS 4 aktualisiert werden. Die 32-Bit-Architektur wird für die gesamte UCS 4 Maintenance noch unterstützt.

## Kapitel 3. Vorbereitung des Updates

Es sollte geprüft werden, ob ausreichend Festplattenplatz verfügbar ist. Eine Standard-Installation benötigt min. 6 GB Speicherplatz. Das Update benötigt je nach Umfang der vorhanden Installation ungefähr 2 GB weiteren Speicherplatz zum Herunterladen und Installieren der Pakete.

Für das Update sollte eine Anmeldung auf der lokalen Konsole des Systems mit dem Benutzer `root` durchgeführt und das Update dort gestartet werden. Alternativ kann das Update über Univention Management Console durchgeführt werden.

Eine Remote-Aktualisierung über SSH wird nicht empfohlen, da dies beispielsweise bei Unterbrechung der Netzverbindung zum Abbruch des Update-Vorgangs und zu einer Beeinträchtigung des Systems führen kann. Sollte dennoch eine Aktualisierung über eine Netzverbindung durchgeführt werden, ist sicherzustellen, dass das Update bei Unterbrechung der Netzverbindung trotzdem weiterläuft. Hierfür können beispielsweise die Tools `screen` oder `at` eingesetzt werden, die auf allen Systemrollen installiert sind.


## Kapitel 4. Nachbereitung des Updates

Nach dem Update müssen die neuen oder aktualisierten Join-Skripte ausgeführt werden. Dies kann auf zwei Wegen erfolgen: Entweder über das UMC-Modul **Domänenbeitritt** oder durch Aufruf des Befehls `univention-run-join-scripts` als Benutzer `root`.

Anschließend muss das UCS-System neu gestartet werden.

# Kapitel 5. Hinweise zum Einsatz einzelner Pakete

## 5.1. Netzwerkinstallation von UCS

Feedback 

Die Profil-basierte Netzwerkinstallation von UCS steht mit UCS 4.0-2 zur Verfügung. Genauere Informationen dazu befinden sich in [ext-doc-inst].

## 5.2. Erfassung von Nutzungsstatistiken


Feedback 

Bei Verwendung der UCS Core Edition-Version von UCS (die in der Regel für Evaluationen von UCS herangezogen wird) werden anonyme Nutzungsstatistiken zur Verwendung von Univention Management Console erzeugt. Die aufgerufenen Module werden dabei von einer Instanz des Web-Traffic-Analyse-Tools Piwik protokolliert. Dies ermöglicht es Univention die Entwicklung von Univention Management Console besser auf das Kundeninteresse zuzuschneiden und Usability-Verbesserungen vorzunehmen.

Diese Protokollierung erfolgt nur bei Verwendung der UCS Core Edition. Der Lizenzstatus kann überprüft werden durch den Eintrag **Lizenz** -> **Lizenzinformation** des Benutzermenüs in der rechten, oberen Ecke von Univention Management Console. Steht hier unter **License type UCS Core Edition** wird eine solche Version verwendet. Bei Einsatz einer regulären UCS-Lizenz erfolgt keine Teilnahme an der Nutzungsstatistik.


Die Protokollierung kann unabhängig von der verwendeten Lizenz durch Setzen der Univention Configuration Registry-Variable `umc/web/piwik` auf `false` deaktiviert werden.

## 5.3. Umfang des Sicherheits-Supports von WebKit, Konqueror und QtWebKit

Feedback 

WebKit, Konqueror und QtWebKit werden in UCS im maintained-Zweig des Repositorys mitgeliefert, aber nicht durch Sicherheits-Updates unterstützt. WebKit wird vor allem für die Darstellung von HTML-Hilfeseiten u.ä. verwendet. Als Web-Browser sollte Firefox eingesetzt werden.

## 5.4. Empfohlene Browser für den Zugriff auf Univention Management Console

Feedback 

Univention Management Console verwendet für die Darstellung der Web-Oberfläche zahlreiche JavaScript- und CSS-Funktionen. Cookies müssen im Browser zugelassen sein. Die folgenden Browser werden empfohlen:

- Chrome ab Version 33
- Firefox ab Version 24
- Internet Explorer ab Version 9
- Safari und Safari Mobile ab Version 7


Auf älteren Browsern können Darstellungs- oder Performanceprobleme auftreten.



# Kapitel 6. Changelog


Die Changelogs mit den detaillierten Änderungsinformationen werden nur in Englisch gepflegt. Aufgeführt sind die Änderungen seit UCS 4.0-2:

## 6.1. General


Feedback 

- All security updates issued for UCS 4.0-2 are included:
  - *curl* (CVE-2015-3143 CVE-2015-3148) (Bug 38352)
  - *ntp* (CVE-2015-1798 CVE-2015-1799) (Bug 38244)
  - *clamav* (CVE-2015-2170 CVE-2015-2221 CVE-2015-2222 CVE-2015-2668 CVE-2015-2305) (Bug 38425)
  - *proftpd-dfsg* (CVE-2015-3306) (Bug 38372)
  - *qemu-kvm* (CVE-2015-3456) (Bug 38537)
  - *qemu-kvm* (CVE-2015-4037 CVE-2015-3209) (Bug 38744)
  - *linux* (CVE-2013-7421 CVE-2014-8133 CVE-2014-8134 CVE-2014-8159 CVE-2014-8160 CVE-2014-8559 CVE-2014-8989 CVE-2014-9419 CVE-2014-9420 CVE-2014-9428 CVE-2014-9529 CVE-2014-9584 CVE-2014-9585 CVE-2014-9644 CVE-2014-9683 CVE-2014-9710 CVE-2014-9715 CVE-2015-0239 CVE-2015-0275 CVE-2015-1421 CVE-2015-1465 CVE-2015-1593 CVE-2015-2041 CVE-2015-2042 CVE-2015-2150 CVE-2015-2666 CVE-2015-2830 CVE-2015-2922 CVE-2015-3331 CVE-2015-3332 CVE-2015-3339 CVE-2015-3636 CVE-2015-4036) (Bug 37385)
  - *openjdk-7* (CVE-2015-0460 CVE-2015-0469 CVE-2015-0477 CVE-2015-0478 CVE-2015-0480 CVE-2015-0488) (Bug 38302)
  - *openjdk-7* (CVE-2015-2590 CVE-2015-2596 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 38928)
  - *bind9* (CVE-2015-5477) (Bug 39058)
  - *mysql-5.5* (CVE-2015-0411 CVE-2015-0382 CVE-2015-0381 CVE-2015-0391 CVE-2015-0432 CVE-2014-6568 CVE-2015-0374 CVE-2015-0441 CVE-2015-0433 CVE-2015-0499 CVE-2015-0501 CVE-2015-0505 CVE-2015-2568 CVE-2015-2571 CVE-2015-2573 CVE-2015-4752 CVE-2015-4737 CVE-2015-2648 CVE-2015-2643 CVE-2015-2620 CVE-2015-2582) (Bug 37578)

## 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-ckt11*. It provides many bugfixes and fixes several vulnerabilities (Bug 37385).


### 6.2.2. Univention Configuration Registry

Feedback 

- The UCR variable `ipv6/gateway` now supports a zone index (Bug 35694).


- Multiple IPv6 addresses from the same subnet can now be added to an interface (Bug 33986).
- The handling of the 'prefix' for secondary IPv6 addresses has been corrected (Bug 33986).

### 6.2.3. Boot Loader


Feedback 

- The title for the entry of UCS in the GRUB boot menu can be configured through the Univention Configuration Registry variable `grub/title` (Bug 38779).

## 6.3. Domain services

Feedback 

### 6.3.1. OpenLDAP

Feedback 

- The diversion of the `msgpo.schema` file introduced as a fix for Bug 38488 has been removed again (Bug 38566).
- The description for the UCR variable `ldap/server/addition` has been improved (Bug 38094).
- The UCR variable `ldap/server/addition` is used to configure additional LDAP servers in case the primary LDAP server is unavailable. The setting can be configured through a UMC policy 'LDAP server'. Previously the so configured value was written into the NORMAL layer of the Univention Configuration Registry, which overwrote any setting configured by the user. The value is now written into the LDAP layer, which has a higher priority than the NORMAL layer and thus overrules any local configuration, but preserves the user configured setting. The value can still be overwritten locally by using the FORCED layer of UCR, e.g. `ucr set --force ldap/server/addition=...`. Setting the UCR variable through a UMC policy 'Univention Configuration Registry' is not recommended and will clash with the 'LDAP server' policy (Bug 38094).
- Adds UCR variables `ldap/tls/ciphersuite` and `ldap/tls/minprotocol` to configure the allowed ciphers and the minimum requires TLS version. By default 'RC4', 'NULL' and 'SSLv3' are now disabled (Bug 38685).
- Enables Forward Secrecy by default, which can be configured further through several new UCR variables starting with `ldap/tls/dh/...` (Bug 38685).

#### 6.3.1.1. LDAP schema changes

Feedback 


- The attribute `ldapFilter` has been added to the schema for `univentionPolicy` objects (Bug 36255).

#### 6.3.1.2. Listener/Notifier domain replication

Feedback 


- LDAP entries using non-ASCII-characters in their DN are now handled more correctly in case of case differences (Bug 35334).
- A confusing error message was removed (Bug 32819).
- The Listener is now restarted asynchronously when the network interfaces are reconfigured (Bug 36532).
- The Notifier is now restarted asynchronously when the network interfaces are reconfigured (Bug 36532).

#### 6.3.1.3. DNS server


Feedback 

- The configuration files and scripts have been optimized to allow a faster restart when the network interfaces are re-configured (Bug 36532).

## 6.4. Univention Management Console


Feedback 

### 6.4.1. Univention Management Console web interface

Feedback 

- The "clear input" and "view password" icons are now displayed correctly in the login dialogue with Internet Explorer 10 and above (Bug 38127).
- It is now possible to create a core dump of the UMC web-server (Bug 37280).
- A check for free disk space is now only done once per file upload request (Bug 38335).
- The place holders in the login dialogue are now displayed correctly in Internet Explorer 9 (Bug 38127).
- Scrolling in the App Center on mobile devices is now more responsive (Bug 38050).
- A missing pre dependency to *python-univention-management-console* has been added (Bug 38617).
- The query string parameters are now passed to automatically started UMC modules (Bug 38544).
- The handling of the UMC overview page on mobile devices has been improved (Bug 38658).
- A race condition in the UMC webserver has been fixed which could lead to failing starts of the UMC webserver (Bug 37844).
- The PID file is no longer created world-writable (Bug 38825).
- Behaviour and appearance of tooltips has been changed. Tooltips will no longer automatically pop up and need to be opened manually by clicking the tooltip icon (Bug 36771).
- The module header in UMC modules now sticks smoothly to the top when scrolling down (Bug 38491).
- The browser next/back buttons have been integrated into UMC in order to simplify its navigation (Bug 20714).
- The styling of hovered entries on the UMC overview page has been adapted for mobile devices (Bug 38658).
- New icons for tooltips have been added and the style for tooltips has been adapted (Bug 36771).
- Added a transition when a UMC module header reaches the top of the screen (Bug 38491).
- The size of the UMC installer header was too big. This issue has been fixed (Bug 39105).
- The UMC user wizard was not always terminated after creating a user. This issue has been fixed (Bug 39109).


### 6.4.2. Univention Management Console server

Feedback 

- The UMC server does not crash anymore during request processing (Bug 37366).
- Errors due to a not running LDAP server are now handled by the UMC server process (Bug 36794).
- It is now possible to create a core dump of the UMC server and UMC module processes (Bug 37280).
- The username is not treated case sensitive anymore when changing an expired password in the UMC login (Bug 38826).
- Code for error handling has been moved into the UMC core server (Bug 36794).
- A parameter to open a specific object immediately on opening a module has been added (Bug 38544).

- If multiple policies of the same type are referenced UMC prevents removing policy references when saving the object (Bug 36256).

### 6.4.3. Univention App Center

Feedback 


- If the initialization of the App Center module fails, an error message is shown (Bug 33627).
- Display error message if contacting the LDAP server fails (Bug 36794).
- The error messages when contacting the App Center server or the UCS activation fails have been improved (Bug 35678).
- Errors when opening APT Packages files are now handled (Bug 38112).
- Errors when the system has too few free disk space are now handled (Bug 38129).
- Error messages which are raised from the package manager are now displayed instead of displaying a traceback (Bug 37230).
- The wording for app maintainer has been adjusted to app provider (Bug 37591).
- The startup performance of the App Center has been improved (Bug 38345).
- Fixed an exception in error handling (Bug 38926).
- The display of buttons for installing, updating etc. have been improved (Bug 39042).
- Added functionality for `univention-upgrade` to upgrade apps (Bug 38697).
- Ini files may now specify how the app is to be included in the app reporting tool (Bug 38954).

### 6.4.4. Univention Directory Manager UMC modules and command line interface

Feedback 

- Attributes of the UCR policy are now sorted (Bug 32146).
- Broken UDM handler modules are ignored when updating module list (Bug 38297).
- An exception when handling LDAP exceptions is prevented now (Bug 38616).
- The attribute `ldapFilter` has been added to policy UDM modules (Bug 36255).
- The UDM module `policies/mailquota` has been moved to the package `univention-mail-cyrus`. From now on the module will only be available if the UCS domain contains an UCS system with installed Cyrus mail stack (Bug 38473).
- A default user template for new users can be configured by the UCR variable `directory/manager/web/modules/users/user/add/default`. The variable expects the DN or the label of a user template (Bug 38832).
- The evaluation of `requiredObjectClass`, `prohibitedObjectClasses`, `fixedAttributes` and `emptyAttributes` is now case insensitive (Bug 38663).


### 6.4.5. Basic settings / Appliance mode

Feedback 

- Extended the list of default language settings to include Switzerland, Austria and the United Kingdom (Bug 38512).


- Show server address in *Univention System Setup* welcome screen in EC2 and other cloud environments (Bug 38391).
- Uppercase hostnames and hostnames beginning with a digit are now possible (Bug 37816)
- The package *univention-welcome-screen* has been added. It shows an informative screen which indicates how the system can be accessed via a web browser (Bug 37537).
- Fixed an error which could occur while installing UCS with non-default locales via the text based installer, resulting in an unconfigured system (Bug 38382).
- Changed the wording in the *Univention System Setup* to suit Univention App Appliances (Bug 38780 Bug 38781)
- The new package *univention-system-activation* has been released. It registers a web service to enforce the upload of an activated license key prior to accessing the management web interface (Bug 38547 Bug 38782 Bug 38850).
- Proxy settings were accidentally removed when changing network settings (Bug 38593).
- The network mask is not overwritten in the initial UCS configuration anymore if it was set manually (Bug 38593).
- A typo in the German translation has been corrected (Bug 38215).
- If accessible, the name server specified via DHCP is pre-configured on the network settings page (Bug 38330).
- The links on the last page of the setup wizard have been adjusted (Bug 38850).
- A non authoritative DNS answer is now correctly handled during validation of settings (Bug 38522).
- A information is shown during domain setup that the process might take a while (Bug 38833).
- The NetBIOS domain name of the Active Directory domain is used when the UCS system joins into an Active Directory domain (Bug 37460).
- The DHCP configuration of a system led to problems with the browser redirection at the end of the setup wizard. This has been corrected (Bug 39048)
- The network settings module can now also be executed on unjoined systems (Bug 39044).
- The wording on the activation page has been improved (Bug 39019).
- The loading animation is now visible in Firefox (Bug 38918).

## 6.4.6. Users module

Feedback 


- The default user template for new users can be configured via the UCR variable `directory/manager/web/modules/users/user/add/default`. The variable expects the DN or the label of a user template (Bug 38832).
- The "contact" tab of the users module has a "country" entry now (Bug 18512).

## 6.4.7. Computers module

Feedback 


- Renaming of Domaincontroller or Memberserver computers is prevented now (Bug 38364).

## 6.4.8. License module

Feedback 


- Errors while requesting a new license are now handled (Bug 35614).
- If too many user accounts for the license have been created, the UMC now provides information about how to re-enable editing (Bug 38836).
- User accounts can now be disabled if the license count is exceeded (Bug 38835).

## 6.4.9. Shares module


Feedback 

- The Shares module has been moved into the "Domain" category (Bug 38202).

## 6.5. Software deployment


Feedback 

### 6.5.1. Software deployment command line tools

Feedback 


- The update scripts have been adjusted to UCS 4.0-3 (Bug 38961).

## 6.6. Univention base libraries


Feedback 

- Two new internal functions for UCS license checks have been added to the package *univention-lib* (Bug 38951).
- If the initialization of the package manager failed it is retried (Bug 38951).
- Held packages can't cause a traceback anymore (Bug 38951).
- Error messages when opening APT Packages files have improved (Bug 38951).
- Error messages when the system has too few free disk space have improved (Bug 38951).
- The Python implementation of *univention-policy-result* did not evaluate the attributes *requiredObjectClass* and *prohibitedObjectClasses*. This has been fixed (Bug 38663).
- The Python implementation of *univention-policy-result* did not return the most specific policy in all cases. This has been fixed (Bug 38712).

## 6.7. System services

Feedback 


### 6.7.1. Mail services

Feedback 

- This update provides the new package *univention-mail-dovecot* which integrates the IMAP/POP3 server dovecot into the UCS mail stack (Bug 34839 Bug 38884).
- dovecot has been updated to version 2.2.13. The update provides several bugfixes and enhancements (Bug 34839 Bug 38475).
- The UCR variable `mail/cyrus/auth/allowplaintext` to (dis)allow plain text passwords over non-TLS connections has been added. The variable defaults to `no`. This changes the previous default behaviour! Plain text authentication over unencrypted connections is now disabled by default. To revert to the old behaviour set `mail/cyrus/auth/allowplaintext=yes` resp. `mail/dovecot/auth/allowplaintext=yes` (Bug 38500).


- The UDM module `policies/mailquota` has been moved to the package ***univention-mail-cyrus***. The UDM module will only be available if the UCS mail stack with Cyrus is installed (Bug 38473 Bug 39004).
- Postfix will no longer resolve address mappings (e.g. BCC) before handing them over to AMaViS for content scanning if an archive folder has been defined (Bug 14619 Bug 38884).
- To configure the max. number of concurrent AMaViS processes, a new UCR variable has been introduced: `mail/antivir/max_servers`. When unset, the current default 2 is used (Bug 37653).
- Add options to check IP FQDN mapping as a means to fight spam. Adds two new UCR variables: `mail/postfix/smtpd/restrictions/sender/reject_unknown_client_hostname` and `mail/postfix/smtpd/restrictions/sender/reject_unknown_reverse_client_hostname` for weaker and stricter reverse DNS checking respectively (Bug 38292).
- The package `sieve-connect` has been updated to version 0.87-1 and provides several bugfixes and new security features (Bug 34839).

## 6.7.2. Printing services

Feedback 


- The old printer model list is no longer deleted during the join (Bug 38117).

## 6.7.3. Nagios

Feedback 


- The `check_univention_ldap` plugin has been modified to use the FQDN of the LDAP server (Bug 27043).

## 6.7.4. DHCP server

Feedback 


- A broken configuration was generated for named DHCP host entries. This issue has been fixed (Bug 38675).
- The DHCP policies are now linked directly to the first created DHCP subnet instead of the LDAP base (Bug 38584).
- The default DHCP policies are only used for the first created DHCP subnet (Bug 37614)
- The default routing policy is only updated for the first created DHCP subnet (Bug 38822).

## 6.7.5. Apache

Feedback 


- The Univention Configuration Registry variable `apache2/force_https` can be used to force using encryption by re-directing to HTTPS (Bug 38016).

## 6.7.6. Kerberos server


Feedback 

- Huawei Unified Storage System S5500 V3 failed to join Samba AD domains. The Heimdal Kerberos server has been improved to allow the join (Bug 38827).

## 6.8. Virtualization

Feedback 


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

Feedback 


- The VirtIO drivers for Windows have been updated to version 0.1.105 to fix a problem with broken driver signatures in Windows 2012 server (Bug 38655).



## 6.9. Services for Windows

Feedback 

### 6.9.1. Samba

Feedback 


- Samba has been upgraded to version 4.2.3 (Bug 37939).
- The list of groups in the Kerberos `PAC_LOGON_INFO` now also contains the RID of primary group, this fixes GPO security filtering for primary group membership (Bug 37101).
- Huawei Unified Storage System S5500 V3 failed to join Samba AD domains (Bug 38827).
- A coding error in the Samba implementation of the `BACKUPKEY serverwrap` protocol may cause problems with retrieving saved passwords on Windows clients (DPAPI). This issue has been fixed (Bug 39025).
- This update adds support for the default profile directory paths of Windows 8, 8.1 and 10. For new users they will now be created automatically on first logon (Bug 38643).
- The `ldb` library and tools have been upgraded to version 1.1.20 (Bug 37939).
- The `talloc` library has been upgraded to version 2.1.2 (Bug 37939).
- The `tdb` library and tools have been upgraded to version 1.3.6 (Bug 37939).
- The `tevent` library has been upgraded to version 0.9.25 (Bug 37939).
- The package `univention-ldb-modules` has been rebuilt to match the new Samba version 4.2.3 (Bug 37939).

### 6.9.2. Univention S4 Connector

Feedback 

- The user synchronization failed if the username contains special characters like an apostrophe. This issue has been fixed (Bug 38614).
- The Samba 4/Active Directory lockout attributes are now reset while synchronizing the password from UCS to Samba 4 (Bug 38557).
- Some GPO and WMI attributes have not been treated as single-value. This issue has been fixed (Bug 37259).
- Some scripts have been optimized to allow a faster restart when the network interfaces are re-configured (Bug 36532).
- The synchronization of objects with umlauts has been improved, for example for nested groups (Bug 38645).
- A bug concerning renaming computer objects has been fixed (Bug 37709).
- Ignore unknown Samba4 DNS objects instead of creating a `dns/host_record` (Bug 39077).

### 6.9.3. Univention Active Directory Connection

Feedback 

- A bug in the network device detection has been fixed (Bug 39069).
- Fix time synchronization to German UCS (Bug 38729).
- Wrong links that lead to an old manual have been adjusted (Bug 38147).



## 6.10. Other changes

- The following packages have been added to the maintained package repository (Bug 37972, Bug 38628):
  - *altermime*
  - *libboost-thread1.49.0*
  - *libjansson4*
  - *php-mdb2-driver-mysql*
  - *php-net-ldap2*
  - *php-net-url2*
  - *ripole*
  - *smarty3*
  - *nodejs*
  - *npm*
  - *libv8-3.14.5*
- The time zone database was updated to include information about the scheduled leap second at the end of June 2015 (Bug 38717).
- The package *clucene-core* has been updated to version 2.3.3.4 (Bug 34839).

# Literaturverzeichnis

[ext-doc-inst] Univentio GmbH. 2014. *Extended installation documentation*. <http://docs.univentio.de/installation-4.0.html>.