

UCS 4.2-2 Release Notes



**Release Notes für die Inbetriebnahme und Aktualisierung
von Univention Corporate Server (UCS) 4.2-2**

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Kapitel 1. Release-Highlights


Mit Univention Corporate Server 4.2-2 steht das zweite Point-Release für Univention Corporate Server (UCS) 4.2 zur Verfügung. Es umfasst eine Reihe Funktionserweiterungen und Verbesserungen, neue Eigenschaften sowie diverse Detailverbesserungen und Fehlerkorrekturen. Die wichtigsten Änderungen im Überblick:

- Das Portal ist nun auch einfach in Cloud Setups nutzbar. So sind die auf UCS installierten Dienste, ohne weitere Konfigurationsschritte, direkt erreichbar. Dafür wandelt das Portal vorhandene Links in relative Links um. Bei Portaleinträgen mit mehreren Links sorgen heuristische Verfahren für die Ermittlung der besten Verlinkung.
- Die Usability des Managementsystems wurde weiter ausgebaut. So können Benutzer und Gruppen kopiert werden, die Fehlerbehandlung wurde an diversen Stellen verbessert und die Performance gesteigert.
- Jeder App Anbieter kann sich nun über das App Provider Portal einfache App Appliances erstellen. App Appliances bündeln ein App mit UCS in eine sofort nutzbare virtuelle Maschine. Zusätzlich kann die Integrationstiefe der Apps durch so genannte *App Settings* deutlich erhöht werden. Diese können vom App Anbieter einfach über das Provider Portal ohne zusätzliche Programmierkenntnisse erstellt werden.
- Diverse Security Updates wurden in UCS 4.2-2 integriert, bspw. für OpenLDAP, den Linux Kernel, Samba, MySQL und PostgreSQL.

Kapitel 2. Hinweise zum Update

Während der Aktualisierung kann es zu temporären 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 vorhandenen Installation ungefähr 1 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 UCS 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. Erfassung von Nutzungsstatistiken


Feedback 

Bei Verwendung der UCS Core Edition (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 **Lizenztyp** der Eintrag **UCS Core Edition** wird eine solche Edition 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.

5.2. 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.

5.3. 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 37
- Firefox ab Version 38
- Internet Explorer ab Version 11
- Safari und Safari Mobile ab Version 9

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 4.2-1:


6.1. General

Feedback 

- All security updates issued for UCS 4.2-1 are included:
 - **postgresql-9.4** (CVE-2017-7486 CVE-2017-7484 CVE-2017-7485 CVE-2017-7546 CVE-2017-7547 CVE-2017-7548) (Bug 44679 Bug 45211).
 - **postgresql-9.1** (CVE-2017-7486 CVE-2017-7546 CVE-2017-7547) (Bug 45237).
 - **erlang** (CVE-2016-10253) (Bug 45216).
 - **wget** (CVE-2017-6508) (Bug 45179).
 - **vim** (CVE-2017-6350 CVE-2017-6349) (Bug 45178).
 - **unzip** (CVE-2014-9913 CVE-2016-9844) (Bug 45177).
 - **sudo** (CVE-2017-1000367) (Bug 44730).
 - **firefox-esr** (CVE-2016-10196 CVE-2017-5031 CVE-2017-5398 CVE-2017-5400 CVE-2017-5401 CVE-2017-5402 CVE-2017-5404 CVE-2017-5405 CVE-2017-5407 CVE-2017-5408 CVE-2017-5410 CVE-2017-5429 CVE-2017-5430 CVE-2017-5432 CVE-2017-5433 CVE-2017-5434 CVE-2017-5435 CVE-2017-5436 CVE-2017-5438 CVE-2017-5439 CVE-2017-5440 CVE-2017-5441 CVE-2017-5442 CVE-2017-5443 CVE-2017-5444 CVE-2017-5445 CVE-2017-5446 CVE-2017-5447 CVE-2017-5448 CVE-2017-5449 CVE-2017-5451 CVE-2017-5454 CVE-2017-5455 CVE-2017-5456 CVE-2017-5459 CVE-2017-5460 CVE-2017-5461 CVE-2017-5462 CVE-2017-5464 CVE-2017-5465 CVE-2017-5466 CVE-2017-5467 CVE-2017-5469 CVE-2017-5470 CVE-2017-5472 CVE-2017-7749 CVE-2017-7750 CVE-2017-7751 CVE-2017-7752 CVE-2017-7753 CVE-2017-7754 CVE-2017-7755 CVE-2017-7756 CVE-2017-7757 CVE-2017-7758 CVE-2017-7760 CVE-2017-7761 CVE-2017-7763 CVE-2017-7764 CVE-2017-7765 CVE-2017-7766 CVE-2017-7767 CVE-2017-7768 CVE-2017-7778 CVE-2017-7779 CVE-2017-7784 CVE-2017-7785 CVE-2017-7786 CVE-2017-7787 CVE-2017-7791 CVE-2017-7792 CVE-2017-7798 CVE-2017-7800 CVE-2017-7801 CVE-2017-7802 CVE-2017-7803 CVE-2017-7807 CVE-2017-7809) (Bug 44858).
 - **mysql-5.5** (CVE-2017-3302 CVE-2017-3305 CVE-2017-3308 CVE-2017-3309 CVE-2017-3329 CVE-2017-3453 CVE-2017-3456 CVE-2017-3461 CVE-2017-3462 CVE-2017-3463 CVE-2017-3464 CVE-2017-3600 CVE-2017-3635 CVE-2017-3636 CVE-2017-3641 CVE-2017-3648 CVE-2017-3651 CVE-2017-3652 CVE-2017-3653) (Bug 44519).
 - **bind9** (CVE-2016-2775 CVE-2016-2776 CVE-2016-8864 CVE-2016-9131 CVE-2016-9147 CVE-2016-9444 CVE-2017-3142 CVE-2017-3143 CVE-2017-3136 CVE-2017-3137 CVE-2017-3138 CVE-2017-3135) (Bug 44656).
 - **samba** (CVE-2017-11103 CVE-2017-2619) (Bug 44982 Bug 44891).
 - **heimdal** (CVE-2017-11103) (Bug 44984).
 - **eject** (CVE-2017-6964) (Bug 44410).


- **wireshark** (CVE-2017-5596 CVE-2017-5597 CVE-2017-6467 CVE-2017-6468 CVE-2017-6469 CVE-2017-6470 CVE-2017-6471 CVE-2017-6473 CVE-2017-6474 CVE-2017-6472 CVE-2017-6014) (Bug 44401).
- **univention-kernel-image, univention-kernel-image-signed, linux** (CVE-2017-2636 CVE-2017-6874 CVE-2016-2188 CVE-2017-7184 CVE-2017-7187 CVE-2017-7261 CVE-2017-7294 CVE-2017-7308 CVE-2016-9604 CVE-2017-2596 CVE-2017-2671 CVE-2017-5986 CVE-2017-6353 CVE-2017-6951 CVE-2017-7374 CVE-2017-7472 CVE-2017-7477 CVE-2017-7487 CVE-2017-7618 CVE-2017-7645 CVE-2017-7889 CVE-2017-8061 CVE-2017-8063 CVE-2017-8064 CVE-2017-8067 CVE-2017-9150 CVE-2017-1000363 CVE-2017-8890 CVE-2017-9074 CVE-2017-9075 CVE-2017-9076 CVE-2017-9077 CVE-2017-9242 CVE-2017-9211 CVE-2017-7346 CVE-2017-9605 CVE-2017-1000380 CVE-2017-0605 CVE-2017-7895 CVE-2017-8924 CVE-2017-8925 CVE-2017-1000364) (Bug 44416).
- **shadow** (CVE-2017-2616) (Bug 44673).
- **rtmpdump** (CVE-2015-8270 CVE-2015-8271 CVE-2015-8272) (Bug 44681).
- **openldap** (CVE-2017-9287) (Bug 44731).
- **nss** (CVE-2017-5461 CVE-2017-5462 CVE-2017-7502) (Bug 44777).
- **libtasn1-6** (CVE-2017-6891) (Bug 44689).
- **jbig2dec** (CVE-2017-7885 CVE-2017-7975 CVE-2017-7976 CVE-2016-9601) (Bug 44407).
- **libreoffice** (CVE-2017-7870) (Bug 44664).
- **imagemagick** (CVE-2017-7606 CVE-2017-7619 CVE-2017-7941 CVE-2017-7943 CVE-2017-8343 CVE-2017-8344 CVE-2017-8345 CVE-2017-8346 CVE-2017-8347 CVE-2017-8348 CVE-2017-8349 CVE-2017-8350 CVE-2017-8351 CVE-2017-8352 CVE-2017-8353 CVE-2017-8354 CVE-2017-8355 CVE-2017-8356 CVE-2017-8357 CVE-2017-8765 CVE-2017-8830 CVE-2017-9144 CVE-2017-9142 CVE-2017-9143 CVE-2017-9098 CVE-2017-6498 CVE-2017-6500 CVE-2017-6499 CVE-2017-6501 CVE-2017-6497) (Bug 44403).
- **git** (CVE-2017-8386) (Bug 44677).
- **ghostscript** (CVE-2016-10219 CVE-2016-10220 CVE-2017-5951 CVE-2017-7207 CVE-2017-8291) (Bug 44569).

6.2. Univention Installer


Feedback 

- Some profile settings have been adjusted to the new Firefox version for the System Setup after the installation (Bug 45321).

6.3. Basic system services


Feedback 

6.3.1. Univention Configuration Registry


Feedback 

- The sequence : in a Univention Configuration Registry variable key is now prohibited (Bug 25095).

6.4. Domain services


Feedback 

6.4.1. OpenLDAP

Feedback 


- The LDAP overlay module *pwd_scheme_kinit* has been adapted to return more error information if authentication at the Kerberos server fails (Bug 44912).

6.4.1.1. LDAP schema changes

Feedback 


- The LDAP attribute *univentionUDMPropertyCopyable* for extended attributes has been added (Bug 1567).
- The new attribute *univentionUDMPropertyCopyable* is now indexed only if the attribute is known to the LDAP server (Bug 44909).

6.4.2. DNS server

Feedback 


- The BIND9 name server was not restarted after the automatic password change when using the LDAP backend. This has been fixed (Bug 45090).

6.4.3. DHCP server

Feedback 

- The *runsv* service for the DHCP server is now always started, even when the initial check of the configuration file `/etc/dhcp/dhcpd.conf` fails. This sometimes happens when BIND and OpenLDAP start too slowly during boot, in which case that is mis-detected as an error in that configuration file (Bug 45065).

6.5. Univention Management Console


Feedback 

6.5.1. Univention Management Console web interface

Feedback 

- The button styling of referenced policy objects has been adapted (Bug 44066).
- Hidden objects are no longer shown by default in a multi object select widget (Bug 44044).
- The design of disabled input fields has been improved to be more recognizable (Bug 43402).
- No duplicated tool tips are shown anymore for the links in the footer of the login page (Bug 44072).
- A check box to select all entries has been added to widgets with selection choices (Bug 19928).
- Text in grid cells is now selectable (Bug 44481).
- A display problem in tables with multiple lines per row has been corrected. Especially DNS zones were affected by this problem (Bug 44431).
- The design of notifications has been adjusted (Bug 43658).
- The uninstallation on a base system is now possible (Bug 44894).


6.5.2. Univention Portal

Feedback 

- The portal was empty on unjoined systems. Therefore it was not possible to reach UMC for the initial domain join after logging in (Bug 44865).


- The handling of portal links has been improved to be more robust. Links are now converted to relative links if possible (e.g., on EC2 DC master systems). For multiple links of one portal entry, the best matching link is now being chosen using a heuristic (Bug 44371).

6.5.3. Univention Management Console server

Feedback 

- Errors during connecting to the LDAP server are now handled (Bug 39963).
- Errors during module initialization are now handled (Bug 44670).
- The SSL security of the UMC server has been strengthened by disabling SSLv3 and making the TLS Ciphers configurable via Univention Configuration Registry (Bug 40998).
- The build utilities have been adjusted to enhance the creation of translation packages (Bug 44841).
- The permissions of the log file `/var/log/univention/ec2.log` have been fixed (Bug 44803).
- The keywords for the module search on the UMC overview page are now localized (Bug 34960).
- A crash of the UMC server during uninstallation of a module is prevented (Bug 38375).
- The UMC web server falls back to English language in case no language is provided in HTTP request, which is the case for clients using UCS 4.1. This makes it possible to join UCS 4.1 Appliances into UCS 4.2 domains (Bug 44719).
- Using UMC was not possible with multiple docker instances on the system as the browser then sends multiple cookies which caused that the session could not be detected (Bug 45043).
- A memory leak in the UMC server has been corrected which caused the UMC web server to crash with `[Errno24] Too many open files` errors (Bug 44965).
- The uninstallation on a base system is now possible (Bug 44894).
- Since erratum 139 the Univention Configuration Registry variable `umc/module/timeout` was not evaluated anymore which caused that the connection to module processes was closed after 30 seconds bug (Bug 45307).

6.5.4. Univention App Center

Feedback 

- The initial archives for the App Center meta data have been updated. This also adds *Self Service* to the software selection during system setup (Bug 44240).
- Apps may now ship a file describing settings that can be applied dynamically (Bug 44872).
- The host listing for an installed app incorrectly warned about limited manageability in some cases (Bug 44036).
- A crash during creation of translation files when the name or description of an app is not set has been fixed (Bug 43896).
- Docker Apps are now stopped before backing up their data (Bug 44763).
- Fixed an issue while detecting the installation status during package updates (Bug 43079).
- Improved speed of download routines for App meta data (Bug 43847).
- Use `docker cp` to copy files into the container (Bug 44814).
- Fixed *univention-app* update *zsync* issue (Bug 45180).


6.5.5. Univention Directory Manager UMC modules and command line interface

- Group and user objects can now be copied in UMC (Bug 1567).
- The `:umlauts` modifier in the template mechanism of e.g. user templates now normalizes all characters (Bug 44370).
- When creating policy objects the DN of the created object is returned (Bug 43150).
- The LDAP base could not be modified via UMC anymore since erratum 39. This has been fixed (Bug 43395).
- An error in the UDM python interface has been fixed which caused that default values containing template variables (e.g. the *mail* property of a user) were not reset resulting in wrong default values if multiple objects were created at once (Bug 41092).
- It is prevented to move or remove the own object now (Bug 42526).
- It is now checked if the `create`, `modify` and `remove` operation is allowed before executing the action (Bug 39253).
- Objects of type Settings: Service were not editable through the LDAP directory module. This has been fixed (Bug 30214).
- An error during creation of existing objects has been fixed when policies should be referenced (Bug 38856).
- The descriptions of properties belonging to print quota policies have been enhanced (Bug 39862).
- The `Span both columns` option for extended attributes is functioning again (Bug 40487).
- An error is prevented when trying to attach an unknown object class to an object (Bug 41802).
- It is now possible to hide existing properties in the layout via an extended attribute (Bug 43373).
- More descriptions have been added to the windows settings of user objects (Bug 40964).
- The UDM CLI now shows a readable error message when the LDAP server is not available (Bug 43975).
- The *home share* and *home share path* properties are now correctly displayed (Bug 37611).
- It is now possible to remove values from Univention Configuration Registry policies via CLI (Bug 43562).
- The `udm --help` output has been cleaned up to improve readability (Bug 31768).
- The `--position` argument has been added to the `--help` output of the `udm list` command (Bug 29501).
- The layout of container objects has been adapted so that the configuration options for default containers are visible on the `General` tab (Bug 33652).
- The license evaluation now respects renamed default user and group names (Bug 33891).
- Searching for the *printmodel* property in printer driver lists is working again (Bug 35925).
- The DN of objects removed with `udm remove --filter` is now displayed (Bug 37285).
- Legacy and unused code has been removed (Bug 29929).

- The `ObjectFlag` syntax now allows the value `synced` (Bug 37676).
- The syntax check for `udm search filter` has been improved (Bug 34276).
- The performance of search filters for user objects has been improved (Bug 28633).
- The output from the `list` command of the UDM CLI is now sorted (Bug 34180).
- Legacy code related to custom attributes has been removed (Bug 41556).
- The listener module for handling UDM extensions now removes old python files when the file was renamed (Bug 42862).
- A programmatic error when creating container objects has been fixed (Bug 43396).
- Error messages now contain more details in case of errors with invalid LDAP DN syntax (Bug 42403).
- The remove operation of the UDM CLI now allows the option `--ignore_not_exists` (Bug 40737).
- A package dependency to *python-ipaddr* has been added (Bug 28054).
- Overwritten syntax classes for properties which are shown in a wizard for creating objects can now use `ComboBox` widgets (Bug 44847).
- The options of objects are now sorted (Bug 41015).
- A crash is prevented if a default container contained special characters like `,` (Bug 42423).
- A possible crash when loading widget definitions for UDM properties is now prevented (Bug 42466).
- Some spelling mistakes in the UDM CLI Client have been corrected (Bug 31927).
- Unused legacy code has been removed (Bug 43299).
- Legacy code regarding the ordering number of extended attributes has been cleaned up (Bug 32781).
- A lookup function for the `users/self` and `users/passwd` modules have been added for convenience (Bug 37623).
- The error handling during adding hosts to `nagios` services has been improved (Bug 38362).
- The temporary locking objects are removed when an error happens during object creation. This prevents that one needs to save an object twice to create it after resolving the error (Bug 41294).
- It is currently possible to supply a wrong object type when modifying objects. This erratum prepares for preventing this by adding more error messages to the log files instead (Bug 30368).
- Passing `univention.ldap.access()` instances to UDM objects is handled more gracefully (Bug 41368).
- The detection of DNS TXT and Host records has been improved to not detect objects as the wrong type (Bug 40839).
- The description for the "options" property of extended attributes has been improved (Bug 39201).
- An LDAP error is prevented when changing the user password and the "Change password on next login" option at the same time (Bug 42015).
- Unused legacy code regarding `container/dc` objects has been removed (Bug 24374).

- Some undefined python references have been fixed (Bug 36631).
- Removing the IP range from a network object is possible again (Bug 35074).
- The *hosts* property has been added to the `settings/umc_operationset` (Bug 25187).
- The *description* property of `settings/umc_operationset` is now a required field (Bug 25189).
- It was not possible to automatically get the next free IP address for a newly created computer object when the license was exceeded (Bug 30351).
- The group members of printer groups with multiple spool hosts are now detected correctly again (Bug 29707).
- The validation when removing and modifying printers and printer groups has been corrected (Bug 40765).
- The Spool Host label of printers and printer groups has been renamed into Print server (Bug 23888).
- The *e-mail* property of a user is no longer copyable. The default values for empty properties are now properly evaluated after copying an object (Bug 44908).
- Support lookup of specific attributes via `PostReadControl` (RFC 4527) (Bug 43628).
- The tab that is opened when editing a user in a new tab can now be closed (Bug 40486).
- LDAP attributes which are required by their schema are now marked as required in UMC (Bug 24601).
- Some performance optimizations during modification of user and group objects has been done (Bug 37081).
- The next free *sambaRID* is used when only a S4 Connector with IPv6 is part of the domain (Bug 25058).
- The error handling during creation of network objects with an invalid netmask has been improved (Bug 24828).
- A regression in `univention.admin.objects.get()` has been fixed which caused that the Univention Corporate Client UMC configuration was not possible anymore (Bug 45116).
- The mapping of the *sambaWriteList* property of shares has been corrected to not raise an exception if the value is not set (Bug 45207).


6.5.6. Modules for system settings / setup wizard

 Feedback 

- It is possible again to install UCS systems without joining directly into any domain when no DNS server is configured during set up (Bug 43402).
- Adapt ***univention-app-appliance*** to changes in UCS 4.2 branding. The package ***univention-system-activation*** has been updated to work with UCS 4.2 App Appliances (Bug 44523).
- The license upload step was displayed first even if no license mail was sent (Bug 44910).
- A crash during startup of the settings UMC modules has been fixed which occurred if certain values were not correctly encoded (Bug 28070).
- The host name of a system which joins into an Active Directory domain is now restricted to 13 characters in the initial system configuration (Bug 40212).
- The network configuration does not list TUN/TAP interfaces as configurable Ethernet interfaces anymore (Bug 33132).


- The naming restrictions for bridge and bonding network interfaces have been adjusted so that is is not required to have any number in the name anymore (Bug 33131).
- The error handling when executing system setup scripts has been improved (Bug 32817).
- The startup of the welcome screen after the setup in appliance mode has been fixed (Bug 44061).
- The license check during an app appliance join has been fixed (Bug 44995).
- The *univention-system-setup* package now depends on *gettext-base* (Bug 38342).
- A display error when configuring multiple network interfaces has been corrected (Bug 44194).
- Fixed a typo on the appliance first steps overlay (Bug 45084).
- The error handling during the initial system configuration has been improved (Bug 43152).
- The handling of applying network settings in the setup wizard has been improved to be more robust against network timeouts (Bug 45280).

6.5.7. Software update module

Feedback 


- The temporary APT `sources.list` used for release updates is now removed if any of the pre-update scripts signals an abort condition (Bug 44821).
- The check for QEMU virtual machines has been removed from the pre-update script (Bug 44842).
- App updates that merely update software packages inside the App's Docker container are not displayed anymore as these updates are currently not supported through the App Center module (Bug 44623).

6.5.8. Domain join module

Feedback 


- Improved error message for failing server join in `univention-join` (Bug 44429, Bug 42021, Bug 42425).

6.5.9. Users module

Feedback 


- A warning is now shown if a user name is too long to be usable for a login on Windows clients (Bug 34973).

6.5.10. Univention Directory Reports

Feedback 


- The generation of PDF reports has been optimized: They are now generated with the RML language instead of LaTeX. LaTeX reports are still supported by installing the new package *univention-directory-reports-latex* (Bug 39239).
- The PDF user report did not include all groups of the user (Bug 45231).

6.5.11. Process overview module

Feedback 


- The error handling has been improved when a process stops during the calculation of the CPU consumption of a process (Bug 38738).

6.5.12. Policies

Feedback 


- The join script `20univention-directory-policy` now aborts on errors (Bug 40247).

6.5.13. Univention Configuration Registry module

Feedback 

- The validation of Univention Configuration Registry variable names has been improved (Bug 25095).

6.5.14. Other modules

Feedback 

- The start/stop/restart actions are prohibited now if the service is already in that state (Bug 36563).
- The error handling during starting/stopping/restarting services has been improved: Upon error the service status is shown (Bug 36562).
- A non-working proxy server is now classified as an critical error in the diagnostic module (Bug 36750).
- An unset gateway causes an error message to be shown in the diagnostic module (Bug 42155).

6.6. Univention base libraries


Feedback 

- Legacy and unused code has been removed in *univention-python* (Bug 41234).

6.7. System services


Feedback 

6.7.1. SAML

Feedback 


- Optimizations in the UDM module for SAML service providers have been done (Bug 41695).
- The error handling during the SAML configuration of the UMC service provider has been improved (Bug 44966).
- The `univention-saml` Apache site is now disabled upon package removal (Bug 41500).
- The path to the packages unjoin script has been fixed (Bug 44815).
- *crudesaml* has been updated to version 1.8. This corrects a segmentation fault in slapd which occurs during SAML authentication at the UMC server if the certificates are expired (Bug 45042).
- A segmentation fault in *pam-saml* has been corrected, which caused the UMC server to crash in certain situations during loading of identity provider metadata (Bug 39355).

6.7.2. Mail services

Feedback 


- A regression has been fixed which was introduced in erratum 36. The regression prevented the delivery of mails to shared folders in Cyrus (Bug 44948).
- The use of UDM utility functions has been corrected in the listener script `dovecot_shared_folder.py` (Bug 41368).

6.7.3. Printing services

Feedback 

- Old code from UCS 2.4 has been removed from the package *univention-printserver* (Bug 39419).


6.7.4. Nagios

Feedback 

- Fixed a nscd Nagios warning on systems with docker apps installed. The check now inspects the processes on the nscd socket instead of just counting the number of running nscd processes (Bug 42812).


- Fix UNIVENTION_NSCD service (Bug 45186).

6.7.5. Apache

Feedback 


- The uninstallation on a base system is now possible (Bug 44894).

6.7.6. PAM / Local group cache

Feedback 


- UCS specific patches have been re-applied which got dropped for UCS 4.2-0. This includes the patch for Bug 29393, which allows configuring the memory for parsing large groups through the Univention Configuration Registry variable `pamaccess/maxent` (Bug 45039).

6.7.7. NFS


Feedback 

- Remove remaining HA support (Bug 32272).
- Remove port 4660 from firewall (Bug 33254).
- Start NFS server for first NFS share (Bug 45101).
- Make `RPCNFSDCOUNT` configurable (Bug 25446).

6.8. Virtualization


Feedback 

6.8.1. Univention Virtual Machine Manager (UVMM)

Feedback 


- It is now possible to open virtual machines in a new tab via the UMC module (Bug 24721).
- The MAC address in the network interfaces view of a virtual machine can be selected again (Bug 44481).

6.9. Container Technologies


Feedback 

- UDM objects with the object flags `synced` and `docker` can now be deleted (Bug 43846).
- The script `univention-fix-ucr-dns` is installed in Docker containers too (Bug 45040).
- Disable update check on boot in container mode (Bug 45103).
- The docker service is now restarted right after installation to ensure the correct storage backend is used immediately (Bug 44986).
- Always apply docker iptables rules (even if the *univention-firewall* is disabled) in Univention firewall. Can be configured with the Univention Configuration Registry variable `security/packetfilter/docker/disabled` (Bug 44829).

6.10. Services for Windows

Feedback 


6.10.1. Samba

Feedback 

- Skip re-provision of Samba on DC Master and DC Backup if the system already provides the S4-Connector service and `sam.ldb` and `secrets.ldb` look functional (Bug 44787).
- Fixed an error in `univention-samba4.prem` (Bug 44936).


- Fixed an error message due to missing `phpldapadmin-config.php` (Bug 33235).

6.10.2. Univention AD Takeover

Feedback 

- Unused legacy code has been removed (Bug 43299).

6.10.3. Univention S4 Connector

Feedback 


- Fix CNAME and PTR record deletion in the S4-Connector (Bug 43072).
- Some objects were identified as the wrong object type. The identification handling has been fixed (Bug 44976).
- It is possible to start the S4 Connector service process in foreground (Bug 45001).
- During `sync_to_ucs` remember `entryCSN` of `msGPO` changes to be able to identify and skip them later in `sync_from_ucs` (Bug 43628).

6.10.4. Univention Active Directory Connection

Feedback 

- The error handling in the Active Directory setup has been improved during looking up the `_domaincontroller_master._tcp` SRV record in case no DNS servers are available (Bug 44849).

6.11. Other changes

Feedback 

- The package `python-trml2pdf` has been moved to maintained (Bug 39239).
- Configure `systemd-journald.service` for time limited log retention (Bug 44234).
- The packages `univention-system-activation`, `phantomjs` and `univention-app-appliance` are now maintained (Bug 44990).
- The transition from `bootsplash` to welcome screen is now flicker free. Improved `systemd` integration for the welcome screen. Crashes and graphic errors on VirtualBox and VMware have been fixed. Always use framebuffer driver to ensure a working welcome screen (Bug 44061).
- The welcome screen design has been improved and adapted to the UCS 4.2 design style. The FQDN has been removed from the screen (Bug 45031, Bug 45025).
- Fix for hard to read status messages during boot because they were overlaid by the appliance logo (Bug 44952).
- Fixed calling `univention-fix-ucr-dns` when not default gateway is set (Bug 45120).
- The package `libjsoncpp` is now maintained as a new dependency of `firefox-esr` (Bug 44858).
- The packages `jquery-goodies` and `wxwidgets3.0` are now maintained as a new dependency of `erlang` (Bug 45216).