

Release notes for the installation and update of Univention Corporate Server (UCS) 5.2-2

Release 5.2-2

Jun 11, 2025

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RELEASE HIGHLIGHTS

With Univention Corporate Server 5.2-2, the second patch level release for Univention Corporate Server 5.2 is available. It provides several feature improvements and extensions, properties, as well as, bug fixes. Here is an overview of the most important changes:

- Univention Corporate Server 5.2-2 introduces the `univentionObjectIdentifier`: a globally unique identifier for all objects managed via Univention Directory Manager. It simplifies object mapping to external systems and ensures consistent tracking across logs. The identifier is auto-generated for new objects; existing objects receive it during upgrade.
- **Keycloak 26** is now available in the App Center with enhanced security and new features. It comes with a new `Ad Hoc Provisioning` plugin which automatically creates Nubus user accounts. This enables seamless Single Sign-On access across connected applications for identities logging in via trusted external *IdPs* (e.g., **Active Directory**).
- Univention Corporate Server 5.2-2 delivers major performance gains in Univention Directory Manager, notably for deleting computer objects and editing groups in large environments. A new diagnostic tool identifies LDAP database fragmentation — a key bottleneck in older, large deployments — and provides remediation guidance.
- Various components of the Univention Management Console and App Center were hardened against cross-site scripting (XSS) attacks through stricter content sanitization and improved HTML encoding.
- Univention Corporate Server 5.2-2 includes numerous security updates for packages such as `curl`, `glibc`, `intel-microcode`, `openssl`, `firefox-esr`, `Linux kernel`, and many others to ensure protection against the latest vulnerabilities.

NOTES ABOUT THE UPDATE

Run the update in a maintenance window, because some services in the domain may not be available temporarily. It's recommended that you test the update in a separate test environment before the actual update. The test environment must be identical to the production environment.

Depending on the system performance, network connection, and installed software, the update can take anywhere from 30 minutes to several hours. For large environments, consult *UCS performance guide* [1].

2.1 Recommended update sequence for environments with more than one UCS system

In environments with more than one UCS system, take the update sequence of the UCS systems into account.

The authoritative version of the LDAP directory service operates on the Primary Directory Node and replicates to all the remaining LDAP servers of the UCS domain. As changes to the LDAP schema can occur during release updates, the Primary Directory Node must always be the first system in the update order during a release update.

2.2 Initialization and indexing of the `univentionObjectIdentifier`

During update an LDAP equality index is created for the `univentionObjectIdentifier` and for each object of class `univentionObject` the value of `entryUUID` is used to initialize the attribute in case it is not yet present. Depending on the amount of objects in the LDAP directory and limiting I/O factors this may take some time.

Please note that in Nubus environments with mixed UCS versions prior to Univention Corporate Server 5.2-2, the UDM on the old systems will not know how to properly manage the attribute for all kinds of `univentionObject`. Univention Corporate Server 5.2-2 contains a plugin for UMC System Diagnostic to check if all objects have the attribute and to fix those that don't.

SIMULTANEOUS OPERATION OF UCS AND DEBIAN ON UEFI SYSTEMS

Please note that simultaneous operation of UCS and Debian GNU/Linux on a UEFI system starting with UCS 5.0 isn't supported.

The reason for this is the GRUB boot loader of Univention Corporate Server, which partly uses the same configuration files as Debian. An already installed Debian leads to the fact that UCS can't boot (anymore) after the installation of or an update to UCS 5.0. A subsequent installation of Debian results in UCS 5.0 not being able to boot. For more information, refer to [KB 17768](https://help.univention.com/t/17768)¹.

¹ <https://help.univention.com/t/17768>

PREPARATION OF UPDATE

This section provides more information you need to consider before you update.

4.1 Sufficient disk space

Also verify that you have sufficient disk space available for the update. A standard installation requires a minimum of 6-10 GB of disk space. The update requires approximately 1-2 GB additional disk space to download and install the packages, depending on the size of the existing installation.

4.2 Console usage for update

For the update, sign in on the system's local console as user `root`, and initiate the update there. Alternatively, you can conduct the update using Univention Management Console.

If you want or have to run the update over a network connection, ensure that the update continues in case of network disconnection. Network connection interrupts may cancel the update procedure that you initiated over a remote connection. An interrupted update procedure affects the system severely. To keep the update running even in case of an interrupted network connection, use tools such as **tmux**, **screen**, and **at**. All UCS system roles have these tools installed by default.

4.3 Script to check for known update issues

Univention provides a script that checks for problems which would prevent the successful update of the system. You can download the script before the update and run it on the UCS system.

```
# download
$ curl -Oof https://updates.software-univention.de/download/univention-update-
↪checks/pre-update-checks-5.2-2{.gpg,}

# verify and run script
$ apt-key verify pre-update-checks-5.2-2{.gpg,} && bash pre-update-checks-5.2-2

...

Starting pre-update checks ...

Checking app_appliance ...           OK
Checking block_update_of_NT_DC ...   OK
Checking cyrus_integration ...        OK
Checking disk_space ...               OK
Checking hold_packages ...           OK
Checking ldap_connection ...          OK
```

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Checking ldap_schema ...
...

OK

POST PROCESSING OF THE UPDATE

Following the update, you need to run new or updated join scripts. You can either use the UMC module *Domain join* or run the command **univention-run-join-scripts** as user `root`.

Subsequently, you need to restart the UCS system.

Please verify the PostgreSQL version on all UCS systems that updated to UCS 5.2. As UCS 5.2 ships Version 15 of PostgreSQL, updated systems may need migration from PostgreSQL 11. For the recommended migration steps, see [KB 22162](https://help.univention.com/t/22162)².

² <https://help.univention.com/t/22162>

NOTES ON SELECTED PACKAGES

The following sections inform about some selected packages regarding the update.

6.1 Collection of usage statistics

When using the *UCS Core Edition*, UCS collects anonymous statistics on the use of Univention Management Console. The modules opened get logged to an instance of the web traffic analysis tool *Matomo*. Usage statistics enable Univention to better tailor the development of Univention Management Console to customer needs and carry out usability improvements.

You can verify the license status through the menu entry *License* ▶ *License information* of the user menu in the upper right corner of Univention Management Console. Your UCS system is a *UCS Core Edition* system, if the *License information* lists *UCS Core Edition* under *License type*.

UCS doesn't collect usage statistics, when you use an [Enterprise Subscription](#)³ license such as *UCS Base Subscription* or *UCS Standard Subscription*.

Independent of the license used, you can deactivate the usage statistics collection by setting the Univention Configuration Registry Variable `umc/web/piwik` to `false`.

6.2 Recommended browsers for the access to Univention Management Console

Univention Management Console uses numerous JavaScript and CSS functions to display the web interface. Your web browser needs to permit cookies. Univention Management Console requires one of the following browsers:

- Chrome as of version 131
- Firefox as of version 128
- Safari and Safari Mobile as of version 18
- Microsoft Edge as of version 128

Users running older browsers may experience display or performance issues.

³ <https://www.univention.com/products/prices-and-subscriptions/>

CHANGELOG

You find the changes since UCS 5.2-0 in [Changelog for Univention Corporate Server \(UCS\) 5.2-2](https://docs.software-univention.de/changelog/5.2-2/en/index.html)⁴.

⁴ <https://docs.software-univention.de/changelog/5.2-2/en/index.html>

BIBLIOGRAPHY

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- [1] *UCS performance guide*. Univention GmbH, 2021. URL: <https://docs.software-univention.de/ext-performance/5.2/en/>.

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