# MetaDirectory 4 Enterprise

## Release Notes

Version 4.0.12.6296

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## Dokumenthistorie

| Version | Datum | Autor | Änderungen |
|---------|-------|-------|------------|
| 1 | 25.07.2019 | Joachim Frenzel | Erstellung 4.0.12.6296 |
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# Contents

# 1 Information for Publication

## 1.1 Notes and Known Issues

The use of LDAPs and HTTPs with "self-signed" certificates is not possible at the moment. Please use valid signed certificates to use the TLS interfaces.

## 1.2 Discontinuation

MetaDirectory 3.5 Standard / Professional / Enterprise

- End-of-Sale: 31.12.2017

- End-of-Life: 31.12.2018

## 1.3 Releases

This version is now available.

## 1.4 Modified/New Functions

### 1.4.1 MetaDirectory 4.0.1.5574

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# 1.5 Fixed Issues and Problems

### 1.5.1 MetaDirectory 4.0.12.6296

| | |
|---|---|
| CDAS-133 | A display error with UTF8 encoded .CSV files was fixed. |
| CDAS-130 | A problem has been fixed where the Google Contacts replicator aborts replication with an error. |
| CDAS-128 | A MetaDir UDP Unicast Response error has been fixed. |
| CDAS-127 | Explicit LDAPS with STARTTLS is now supported. |
| CDAS-123 | GS-273916: A problem with ODBC replication of "long nvarchar" fields has been fixed. |
| CDAS-121 | LDAP nodes can now contain umlauts and ß in their names. |
| CDAS-120 | A problem in user administration that could cause the MetaDirectory Administrator to crash has been fixed. |
| CDAS-114 | GS-276882: A bug in the parameterizable searches of the web client has been fixed. |
| CDAS-109 | A bug where the Google Contacts replicator did not write contacts to the database despite successful replication was fixed. |

### 1.5.2 MetaDirectory 4.0.10.6274

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|---|---|
| CDAS-105 | A bug in the parameter search has been fixed. |
| CDAS-100 | The entryID of the EWS Replicator can now be used again to open contacts in Outlook via URL. |
| CDAS-99 | Fixed a problem with load balancing software that could crash the MetaDirectory. |
| CDAS-82 | Data sets can now only be assigned individually to a profile. |
| CDAS-81 | A problem with Windows passwords containing quotation marks " has been fixed. |

### 1.5.3 MetaDirectory 4.0.9.6261

| | |
|---|---|
| CDAS-95 | A display error in the node settings has been fixed. |
| CDAS-84 | A faulty transfer of changes in the parameterized search in the web search was fixed. |
| CDAS-72 | The DATEV SDD replicator again distinguishes between addressees and institutions. (StoreID) |
| CDAS-61 | A bug has been fixed that causes ODBC replicators not to be properly transferred when upgrading from 3.5 to 4. |
| CDAS-60 | The field length of the "CN" is now calculated correctly again in the AD Export Replicator. Please clean the target folder in the AD before use. |
| CDAS-53 | Google maps can now be called from the MetaDirectory website again. |
| CDAS-13 | A problem that could not be replicated after activating LDAPS depending on the certificate was fixed. |

### 1.5.4 MetaDirectory 4.0.8.6227

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|---|---|
| CDAS-43 | An issue where the size of Metadatabase.db is getting worse has been fixed. |
| CDAS-38 | Fixed bug with wildcard search. |
| CDAS-37 META-1005 | The Microsoft CRM Replicator now works again with MS Dynamics365. |
| CDAS-36 | The Microsoft CRM Replicator now works again with CRM 2011 |
| CDAS-10 | A problem that caused the crash of the MetaDirectory service has been fixed. |
| CDAS-5 | Issues with ODBC replication of an MS SQL table leading to incomplete primary keys have been resolved. |
| CDAS-4 | The Outlook Note is replicable again with the EWS Replicator. |
| CDAS-1 | The Notes Replicator now looks in the 64bit directories for the nextpwd.dll file. |
| META-1019 | The default time settings for the replicators have been improved. |
| META-1016 | A problem where the search with umlauts in Telefonbuch Deutschland did not lead to any hits has been fixed. |

| META-1007 | The search for mobile numbers in the directory Germany can now be disabled again. |
|---|---|
| META-1002 | An issue where Salesforce Replication works only after running the wizard twice has been fixed. |
| META-1001 | Fixed a bug that caused no more search results to be output if the "Show only results with phone numbers" LDAP node was set. |
| META-999 | Problems with UCServer user management have been fixed. |
| META-997 | Replicator issues with set LDAP root password have been fixed. |
| META-965 | Issues with the ProCall iOS / Android app has been fixed. |

## 1.5.5 MetaDirectory 4.0.6.6134

| META-990 META-956 | GS-254419: An issue where importing a CSV file in the last field does not truncate the superscripts even though csv file is formatted to RFC 4180 standard has been fixed. |
|---|---|
| META-988 | You can now create multiple Replicators for Google Apps for Work. |
| META-985 | GS-252116: An issue where MetaDirectory via web service search returned "LDAP Error (89): Parameter Error" has been fixed. |
| META-984 | GS-251837: The MMD Web Service now replies again via HTTP |
| META-983 | An error with MetaDir access with Win-Domain authentication has been fixed. |
| META-982 | A licensing issue of Metadirectory after a disconnect has been fixed. |
| META-978 | An issue where only 100 contacts were replicated in AD replication has been resolved. |
| META-977 META-954 | An error in the search in the web portal has been fixed. |
| META-976 | An issue with restricting network segments has been fixed. |
| META-970 | The Replicator and Database Management pages now display the same values again. |
| META-960 | The copying of a web service no longer leads to an error message after name assignment. |
| META-959 | Web services can now also be recreated. |
| META-953 | User groups with more than 2500 members are now recognized correctly. |
| META-824 | The Scheduler in the Replicator no longer discards manual changes to the time setting when clicking on "Next". |

## 1.5.6 MetaDirectory 4.0.3.5828

| META-952 | An error which occurred while logging in users whose names contain umlauts has been solved. |
|---|---|
| META-951 | A problem with Prefix/Suffix/Regex in the replikator dialog has been solved. |
| META-949 | A crash which occurred with Swisscom Directories has been fixed. |
| META-948 | Text errors in the web service settings have been fixed. |
| META-945 | The port of the AD Usermanagement is now correctly stored. |
| META-944 | Logging/Tracing now also works properly for replicators with special characters in their name. |
| META-943 | A problem that negatively affected the search performance of telephone numbers in the Swisscom telephone directory has been resolved. |
| META-934 | The stability of the DATEV SDD Replicator has been improved. |
| META-921 | The password query in the Meta Administrator is working as intended again. |
| META-918 | The Meta Web server service via "HTTP" can now also be deactivated. |
| META-907 | In the field assignments wizard, sorting by status now works correctly again. |

## 1.5.7 MetaDirectory 4.0.2.5759

| META-941 | A problem where MetaDirectory replicated only groups but no UCServer users has been fixed. |
|---|---|
| META-940 | Interface settings are filled again with the correct values during the installation. |
| META-938 | The default profile remains deactivated even after a server reboot. |

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| META-936 | The AD / UCServer user administration settings are now retained even if the DC or UCServer is not available when the MetaDirectory is started. |
| META-935 | Missing TLS capabilities for the NTLM auth to connect to the LDAPS server have been added. |
| META-933 | The Default Web service has again assigned an LDAP node by default. |
| META-930 | The default search base of the AD import replicator is now set correctly again. |
| META-928 | A problem that caused an LDAP time-out during authentication was fixed. |
| META-927 | "GS-238768: Replicator of another Mitel MetaDirectory doesn't work" has been fixed. |
| META-926 | An error that caused a crash of the MetaDirectory service has been fixed. |
| META-922 | An error in the telephone number search in the Swisscom Directories has been fixed |
| META-920 | A problem, where a logon was not possible if the UC-Server user management was activated has been fixed. |
| META-919 | MetaDirectory 4 service startup is now set to "automatic" after installation. |
| META-917 | "GS-237442: Field type can't be defined anymore within administrator window" has been fixed.. |
| META-916 | "GS-237441: Search order can't be defined anymore within administrator window" has been fixed. |
| META-908 | A problem where LDAPS could not be activated has been fixed. |
| META-902 | LOG-level changes are now immediately applied to the replicator LOGs. |
| META-873 | The French web templates are now fully translated. |
| META-837 | A problem, where despite the fact that the server service was running, the client did not receive any feedback via LDAP has been fixed. |

### 1.5.8 MetaDirectory 4.0.1.5574

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## 1.6 Improvements

### 1.6.1 MetaDirectory 4.0.12.6296

| CDAS-34 | The AD replicator and LDAP replicator now support multivalue attributes. |
|---------|---------------------------------------------------------------------------|

### 1.6.2 MetaDirectory 4.0.9.6261

| CDAS-91 CDAS-51 | Changes to the access profiles now take effect immediately. A restart of the MetaServer service is no longer necessary. |
|---------|---------------------------------------------------------------------------|
| CDAS-87 | Compatibility with Mitel 69xx devices. |
| CDAS-83 | An access profile can now only be deleted if it is no longer assigned to a user. |
| CDAS-48 | Conditional replication of records. Individual data sets can now be excluded from replication using regular expressions. This function is available in all import replicators. |

### 1.6.3 MetaDirectory 4.0.8.6227

| META-1003 | The import / export of replicator settings has been improved. |
|-----------|---------------------------------------------------------------|
| META-650 | The MS CRM Replicator can now also replicate images from MS CRM 2016 / Dynamics365. |
| CDAS-41 | The search configuration interfaces have been improved. |

### 1.6.4 MetaDirectory 4.0.6.6134

| META-989 | System requirements have been adjusted |
|----------|----------------------------------------|
| META-972 | Symbols in database management and database search have been adjusted. |
| META-971 | SQLite db update |
| META-958 | Improvements in the security of the MetaDirectory through a PEN test |
| META-957 | The TXT / CSV replicator can now also replicate multi-line field contents. |
| META-925 | Improved image data mapping in replicators |
| META-886 | The Separator character selection is now also available for the CSV Export Replicator |

### 1.6.5 MetaDirectory 4.0.3.5828

| META-864 | The unsecured LDAP interface can now be deactivated. |
|----------|------------------------------------------------------|
| META-606 | EWS: Public folders can now be completely replicated including all included contact folders. |

### 1.6.6 MetaDirectory 4.0.2.5759

| META-923 | Statistics on the individual interfaces are now recorded. |
|----------|-----------------------------------------------------------|
| META-914 | The fieldwizard has been improved. |
| META-858 | In the Database Wizard of the EWS Replicator, all fields from the source are now assignable. |
| META-737 | LDAP field names are now displayed in the tooltip during the field assignment in the replicators. |
| META-695 | A signaling of the check result of regular expressions has been added. |
| META-111 | The behavior during data transfer / discarding in Admin has now been implemented consistently. |

## 1.6.7 MetaDirectory 4.0.1.5574

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| | Release Version 4 |

# 2 Upgrade Procedures

## 2.1 Crossgrade from MetaDirectory 3.5 Standard/Professional

Due to the change to 64-bit, an upgrade in the usual way is not possible. The MetaDirectory must be uninstalled and then reinstalled. The old configuration can be transferred by export and import. In order for all settings to be transferred, the old version must be updated to version 3.5.27 before exporting the configuration data.

Before starting a crossgrade installation of MetaDirectory 3.5 Standard / Professional to MetaDirectory 4 Enterprise, the following points must be observed:

1. Verify the version of MetaDirectory 3.5. Please ensure you installed the latest available version of MetaDirectory 3.5 and install the latest version if necessary. To do this, open the MetaDirectory Administrator. Click on "Help" at the top of the menu and select "About...". The latest version can be found on our website in the download area.

2. Back up of the wwwroot directory. If you have made any changes to the WebTemplates (folder: wwwroot), you may want to back up this entire folder at another location and use the option "Use alternative directory" (Services => Web server).

3. Export of the MetaDirectory 3.5 settings. Open the MetaDirectory Administrator. Click "File" at the top of the menu and select "Export ..." under "Configuration".

    a. Installation of MetaDirectory 4 Enterprise on the same machine as MetaDirectory 3.5. Run the MetaDirectory 4 Enterprise installer. You will be advised that MetaDirectory 3.5 is already installed and needs to be uninstalled. If you have already exported your settings as described above, uninstall MetaDirectory 3.5. After successful uninstallation, the installation of MetaDirectory 4 Enterprise will start automatically. Follow the installation wizard.

    b. On the "Configuration Import" page, select "Import Exported Configuration" and click "Next".

    c. Select the previously exported MetaDirectory configuration file and click "Next".

    d. In the subsequent license dialog, add your MetaDirectory 4 Enterprise license and finish the installation.

4. Installation of MetaDirectory 4 Enterprise on a machine other than the one on which MetaDirectory 3.5 is installed. Verify whether you have configured all necessary interfaces on the new machine, for example, ODBC interfaces to external databases as configured on the MetaDirectory 3.5 machine.

    a. Run the MetaDirectory 4 Enterprise installer. Follow the installation wizard.

    b. On the "Configuration Import" page, select "Import Exported Configuration" and click "Next".

c. Select the previously exported MetaDirectory configuration file and click "Next".

d. In the subsequent license dialog, add your MetaDirectory 4 Enterprise license and finish the installation.

## 2.2 Upgrade from MetaDirectory 3.5 Enterprise

Due to the change to 64-bit, an upgrade in the usual way is not possible. The MetaDirectory must be uninstalled and then reinstalled. The old configuration can be transferred by export and import. In order for all settings to be transferred, the old version must be updated to version 3.5.27 before exporting the configuration data.

Before starting an upgrade installation of MetaDirectory 3.5 Enterprise to MetaDirectory 4 Enterprise, the following points must be observed:

5. Verify the version of MetaDirectory 3.5. Please ensure you installed the latest available version of MetaDirectory 3.5 and install the latest version if necessary. To do this, open the MetaDirectory Administrator. Click on "Help" at the top of the menu and select "About...". The latest version can be found on our website in the download area.

6. Back up of the wwwroot directory. If you have made any changes to the WebTemplates (folder: wwwroot), you may want to back up this entire folder at another location and use the option "Use alternative directory" (Services => Web server).

7. Export of the MetaDirectory 3.5 settings. Open the MetaDirectory Administrator. Click "File" at the top of the menu and select "Export ..." under "Configuration".

    a. Installation of MetaDirectory 4 Enterprise on the same machine as MetaDirectory 3.5. Run the MetaDirectory 4 Enterprise installer. You will be advised that MetaDirectory 3.5 is already installed and needs to be uninstalled. If you have already exported your settings as described above, uninstall MetaDirectory 3.5. After successful uninstallation, the installation of MetaDirectory 4 Enterprise will start automatically. Follow the installation wizard.

    b. On the "Configuration Import" page, select "Import Exported Configuration" and click "Next".

    c. Select the previously exported MetaDirectory configuration file and click "Next".

    d. In the subsequent license dialog, add your MetaDirectory 4 Enterprise license and finish the installation.

8. Installation of MetaDirectory 4 Enterprise on a machine other than the one on which MetaDirectory 3.5 is installed. Verify whether you have configured all necessary interfaces on the new machine, for example, ODBC interfaces to external databases as configured on the MetaDirectory 3.5 machine.

    a. Run the MetaDirectory 4 Enterprise installer. Follow the installation wizard.

b. On the "Configuration Import" page, select "Import Exported Configuration" and click "Next".

c. Select the previously exported MetaDirectory configuration file and click "Next".

d. In the subsequent license dialog, add your MetaDirectory 4 Enterprise license and finish the installation.

## 2.3 Worst Case – Technical Support

In case of a serious problems, please contact our technical support team

# 3 System Requirements

## 3.1 Operating Systems

| | |
|---|---|
| Windows Server 2019 Essentials/Standard/Datacenter | 09.01.2029 (Microsoft) |
| Windows Server 2016 Essentials/Standard/Datacenter | 10.01.2027 (Microsoft) |
| Windows 10 | 14.10.2025 (Microsoft) |
| Windows Server 2012 R2 Essentials/Standard/Datacenter | 10.10.2023 (Microsoft) |
| Windows Server 2012 Essentials/Standard/Datacenter | 10.10.2023 (Microsoft) |
| Windows Server® 2008 R2 Service Pack 1 | 14.01.2020 (Microsoft) |
| Windows 8.1 | 10.01.2023 (Microsoft) |
| Windows 7 Service Pack 1 | 14.01.2020 (Microsoft) |

## 3.2 Groupware Software

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|---|---|
| Microsoft Office 365 | This product is subject to the Modern Lifecycle Policy (https://support.microsoft.com/help/30881/modern-lifecycle-policy) from Microsoft |
| G Suite Basic/Business/Enterprise (previously Google Apps for Work) *1) | The G Suite (Online) Agreement applies |
| IBM Notes 9.0 | Date not set/End of support date unknown (IBM) |
| Exchange Server 2016 | 14.10.2025 (Microsoft) |
| Microsoft Office 2016 | 14.10.2025 (Microsoft) |
| Exchange Server 2013 Service Pack 1 | 11.04.2023 (Microsoft) |
| Microsoft Office 2013 Service Pack 1 | 11.04.2023 (Microsoft) |
| IBM Lotus Notes 8.5 | 30.09.2018 (IBM) |

# 4  New Features

## 4.1  What is MetaDirectory 4 Enterprise?

The MetaDirectory 4 Enterprise merges existing, distributed contact information into a company-wide information service based on LDAP (Lightweight Directory Access Protocol). It prepares names, addresses, phone numbers, images and customer-specific information in a standardized manner and enables an efficient and individualized search. With the help of import replicators, any number of source databases can be connected and their contact data records can be read. In this way, contact data from common CRM and ERP systems (e.g. Microsoft Dynamics products incl. **Dynamics365, Salesforce**, public Exchange folders incl. Office365, IBM Notes, **Google Apps for Work** or DATEV pro) are integrated in Unified Communications and Portal solutions with minimal effort. In addition, telephone book providers such as "Das Telefonbuch", "klickTel", "TwixTel", "Swisscom Directories" and "HEROLD" can also be connected as data sources. Web-based services provide users with direct access to various clients and devices, including mobile phones and smartphones. Thanks to secure protocols such as LDAPs and https, it is possible to access all relevant contact data at all times. In addition, export replicators are available for writing as CSV/XML files as well as Active Directory. This allows the edited data to be easily and automatically provided for third-party applications.

Thanks to the **integrated user management** (integrated / ProCall Enterprise / Active Directory with Windows authentication), access to available data sources can be managed centrally at the user level, allowing for simple, safe and secure company-wide deployment of this important contact information, and thus serves as the basis for the realization of the "Need-to-know" principle.

In addition to IPv4, the MetaDirectory 4 Enterprise also supports **IPv6**. This along with the new **64-bit architecture** and support for the latest Windows Server Generation (**Windows Server 2016**) from Microsoft forms the basis for this future-proof software solution.

**Licensing is per user**. Every user needs a license, regardless of whether they access the MetaDirectory directly or indirectly, anonymously or authenticated. A user can simultaneously access the MetaDirectory with up to four different devices (e.g. UC client, mobile app, desktop terminal, DECT terminal, ...). In the case of indirect access, the correct licensing of the users (named users) must be observed in order to avoid a breach of the estos licensing agreement.