

LDAP configuration

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🔧 LDAP configuration

Connect LDAP/Active Directory – authentication, synchronization, filters and attribute mapping.

HOW-TO

ADMINISTRATOR

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APPLIES TO NUCLOS 4.2026.X

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Menu *Administration* *LDAP configuration*. An **LDAP** (e.g. Microsoft Active Directory) is a hierarchical directory service for central management of resources such as users. Nuclos uses LDAP for **authentication** and a simple **synchronization** (LDAP → Nuclos); authorization remains in Nuclos.

Authentication

- Users found via the authentication filter are checked **against the LDAP** – the Nuclos password is ignored.
- Users not found **cannot** log in (exception: super users – the Nuclos password is also tried for them if the LDAP is unavailable).
- The **test authentication** button verifies a user/password combination.



Create users

Users must be created **manually** in Nuclos with the same user name and assigned to a group with the *system start* right. Synchronization neither creates nor deletes users.

Synchronization

With an active LDAP configuration a **synchronization** icon appears in the user detail view. It copies *first name*, *last name* and *e-mail* from the configured LDAP attributes.

Configuration fields

Field	Description	Example
Name	Name of the LDAP connection	yourdc
URL	Connection string with IP /port	ldap://192.168.1.1:389
Base DN	Base DN with the user data	DC=yourdomain,DC=de
Search Scope	Suchtiefe	SUBTREE
Manager DN	Access user (create your own)	yourdomain\manager or CN=manager,OU=Users,DC=yourdomain,DC=de
Manager Passwort	Password of the manager user	–
Filter (authentication)	Filter for login	(sAMAccountName={0})
Alternative filter (auth.)	Restrict login to an AD group	(&(objectClass=user)(sAMAccountName={0})(memberOf=CN=Gruppe,OU=Users,DC=yourdomain,DC=de))

Filter (synchronization)	Filter for synchronization	(objectClass=user)
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Attribute mapping (mandatory)

Nuclos attribute	Description	LDAP attribute
name	Benutzername	sAMAccountName
firstname	Vorname	givenName
lastname	Nachname	sn
email	E-Mail-Adresse	mail



Tools

Tools such as *JXplorer*, *Apache Directory Studio* or Microsoft's *AD Explorer* help determine the base DN/manager DN and the tree structure.

Related pages



SSO configuration

SSO.

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User

Users.

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