

CLEAR / JumpCloud directory Integration

Create Directory integration:

On CLEAR portal > Settings > Authentication Repositories > Directory Integration Services, add a new open ldap domain:

New Domain

User repository type: Active Directory Open LDAP

Display name:

Base DN:

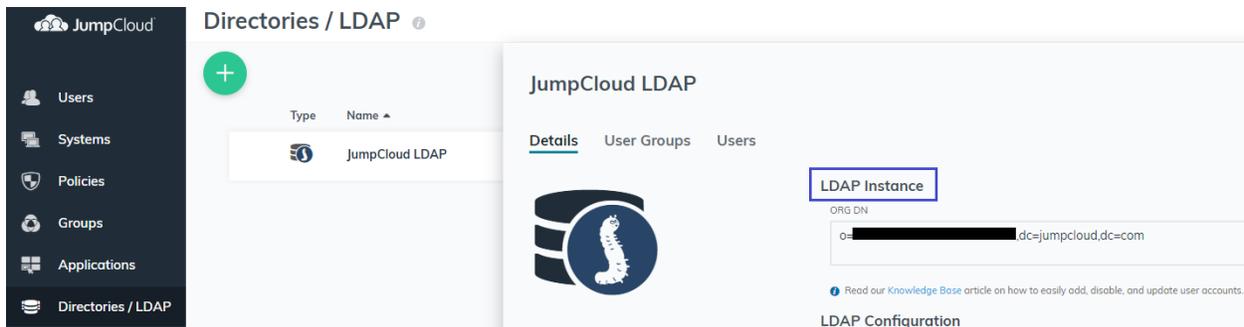
Domain names: domain.local [Remove](#)
[Add new domain name](#)

Domain Controllers (DC): ldap.jumpcloud.com : 636 [Remove](#)
[Add new Domain Controller](#)

Use SSL

Allow life cycle synchronization

For Base DN, list the JC organization DN (LDAP Instance), it's listed on JC portal > Directories / LDAP:



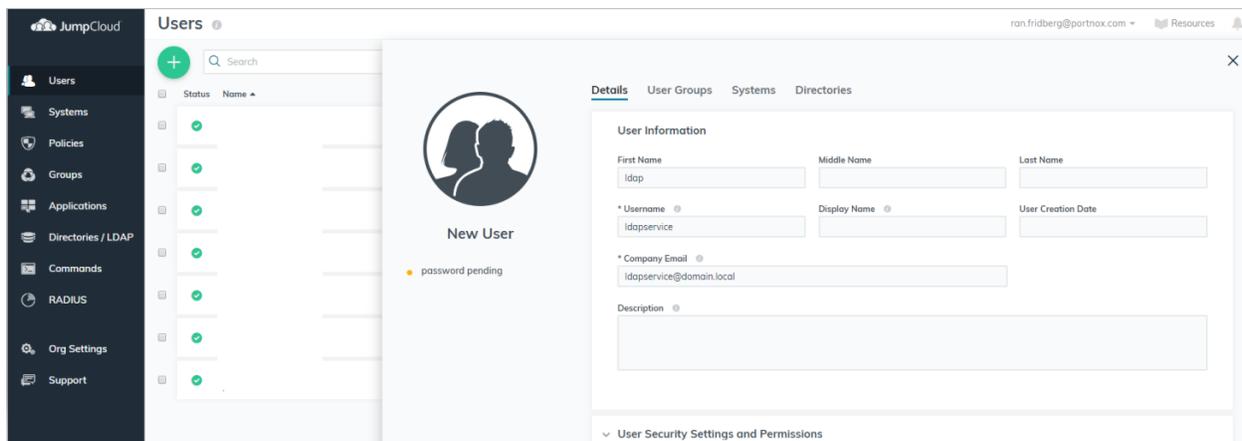
For Domain Controllers (DC), list "ldap.jumpcloud.com" and select port "636". In addition, check the "Use SSL" check box.

Download and install Broker:

For the Broker installation, you'll need JC Idap binding user - on JumpCloud portal:

Create an Idap binding user:

On JumpCloud portal > Users > Add a new User or edit existing one:



On *User Security Settings and Permissions*, enable the *Enable as LDAP Bind DN*:

The screenshot shows the 'New User' profile page in the Portnox interface. The user's status is 'password pending'. The 'User Security Settings and Permissions' section is expanded, showing the following settings:

- Password Settings:**
 - Specify initial password, rather than sending a welcome email
Use this setting if the user's email address does not exist yet.
- Multi-Factor Authentication Settings:**
 - Require Multi-factor Authentication on the User Portal ⓘ
- Permission Settings:**
 - Enable as Admin/Sudo on all system associations ⓘ
 - Enable as LDAP Bind DN ⓘ

Install the Broker on Windows server 2012 or higher and use CLEAR credentials and JC credentials. JC credentials needs to be listed without the ldap name, in our example: *'ldapservice'* without the domain name.

AgentP enrollment and network authentication:

For AgentP enrollment and network connection without AgentP (credentials) use the following syntax: *'username@domain.local'* or *'domain.local\username'*

With AgentP use certificate or MSCHAPv2 (for credentials).

Without AgentP, please make sure to configure the network interfaces for TTLS, based on the following KBs:

[Configure Windows wireless network interface for 802.1X authentication using EAP-TTLS](#)

[Configure Windows wired network interface for 802.1X authentication using EAP-TTLS](#)