

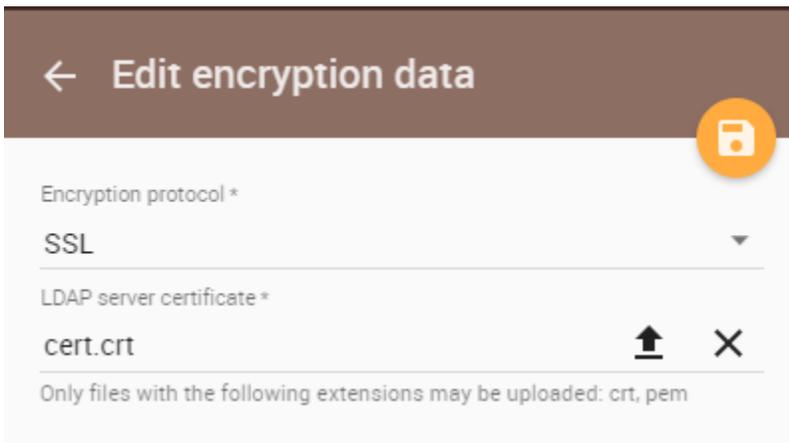
Adding an LDAP server to TWCloud

As an example of the process of adding and connecting to the LDAP server, let's suppose you want to add the LDAP server named Active Directory running on host `192.168.1.1`. The connection timeout is defined in milliseconds (ms) and specifies the period of response waiting time from the LDAP server. Following are the steps to add the LDAP server Active Directory using this example.

To add and configure the LDAP server

1. Go to **Setting** application > **LDAP management** page.

2. Click . The **Create LDAP configuration** pane will open to configure the LDAP server settings.
3. Enter all required data and click **Save** button, the **LDAP configuration** pane will open.
4. Using **Encryption** card, configure encryption parameters. The LDAP server connection is secured with SSL protocol (LDAPS) at default port number `636`. The Encryption Protocol must be **SSL**, and the LDAP server certificate file must be selected. The Encryption information group must look like the following figure.



← Edit encryption data

Encryption protocol *

SSL

LDAP server certificate *

cert.crt

Only files with the following extensions may be uploaded: crt, pem

All LDAP users necessary to connect to Teamwork Cloud reside in `CN=Users`. The Search Base of this kind of LDAP server should be `CN=Users, DC=example,DC=com`. The pattern for the Search Base is `{Parent_Of_LDAP_Users},{Grand_Parent_Of_LDAP_Users},...{n}`.



Note

Only users that are under the **Search Base** will be able to log in using the [User DN Template authentication method](#). Other users in another subtree will be unable to log in. See the Authentication section in [Configuring LDAP properties](#) to configure the authentication method using **User DN Template**.

5. The **LDAP query** authentication method is selected by default. This Active Directory LDAP attribute name and value should be set to **(sAMAccountName={0})**". Besides **sAMAccountName**, you can use any attribute name, but it must be followed with **"={0}"**". The Authentication information group is similar to the following figure.

← Edit authentication data



Search base *

dc=example, dc=com

Example: dc=example, dc=com

Authenticate using *

LDAP query

Query *

uid={0}

Example: uid={0}



Note

If the LDAP server is **OpenLDAP** or **ApacheDS**, the default attribute name is **uid**. If the LDAP server is set for **LDAP query**, the LDAP query for querying a user DN should be entered into the **Query** box. Click the following for more information about the LDAP query <http://www.ietf.org/rfc/rfc2254.txt>.

Now the structure of the LDAP Active Directory in a tree view is as follows.

- √ DIT
 - √ Root DSE (8)
 - √ DC=example,DC=com
 - > CN=ForeignSecurityPrincipals
 - > CN=Infrastructure
 - > CN=LostAndFound
 - > CN=Managed Service Accounts
 - > CN=NTDS Quotas
 - > CN=Program Data
 - > CN=System
 - > CN=TPM Devices
 - > CN=Users