THRON® Active Directory Connector

Configuration Process
Release number: 1.0
Date (mm/dd/yyyy): 02/12/2016

Introduction

This document is intended to guide you through the configuration process of your Active Directory connector. Before taking any step, make sure you have collected the following information which will be required during the configuration process in order to set up the connector properly:
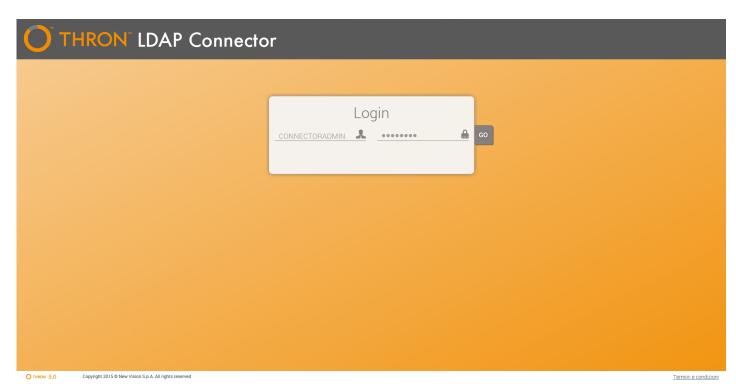
- The hostname and port of your Active Directory.
- The username and password to be used in order to access your Active Directory. Such password will not be stored in the cloud, neither clear nor hashed.
- The base context and the root suffix to be used in order to isolate the branch of your AD where groups and users to be synched are located.
- Your THRON domain name (clientId).
- The applicationId of your AD connector.
- The THRON's username of the user to whom you want to assign content of synched users upon their removal.
- The names assigned to the following attributes within your Active Directory:
    - First name
    - Last name
    - Email
    - Company
    - Mobile
    - Description
- LDAP syntax to be used in order to search for groups and users to be synched within your Active Directory.

Configuration process

Once the provided .zip file has been unpacked and the software has been installed you will be able to begin the configuration process of the AD Connector.
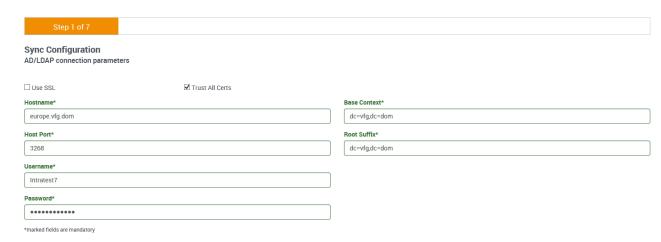First of all, access the Management Console by opening the browser and visiting http://localhost:8080

Authenticate with the temporary credentials that have been provided by THRON S.p.A., then click on "System configurations" in the menu and change the admin password. Then click on "Sync configuration" to start the configuration wizard.

1. Step one: Base context and Root suffix

Hostname is the address of your AD

Default ports are:
- 389 if you are using ldap protocol
- 636 if you are using ldaps protocol (in this case remember to flag the "Use SSL" option)

Username and password are those of the user which is going to be used to "read" the information within the Active Directory.

Base context is the "root" domain name to be synchronized; please be aware that any change outside the Base Context will be ignored by the connector.

Root suffix is the domain name of the context to be used as starting point to perform searches.

Most common cases are presented below for sample purpose
- Users and groups are spread across AD nodes:
  Root suffix=base context=directory root (e.g. DC=company,DC=com)
- Users and groups are spread across sub-nodes of a specific node:
  Root suffix=directory root (e.g. DC=company,DC=com)
  Base context=OU=N1…DC=company,DC=com
  (base context defines the specific node to start from)
- Don't know how users and groups are distributed:
  Root suffix=basecontext=directory root (e.g. DC=company,DC=com)

2. Step two: Configure THRON connection

Step 2 of 7	

Sync Configuration
Thron connection parameters

Thron 3rd level domain (eg. mycompany if you use https://mycompany.thron.com to access Thron)*

valentino

Application ID (you can find it in Cloudlink application configuration)*

CS-RIOWT5

Thron username who will inherit contents when removing existing users*

adconnector.user

*marked fields are mandatory

In this phase you will have to enter the *appId* which is mandatory to enable AD Connector to access THRON services; such id has been provided during the activation process by THRON S.p.A.

3. Step three: Map attributes

Step 3 of 7	

Sync Configuration
Map existing AD/LDAP attributes to Thron attributes

> ⚠ **Warning**
> First name, last name and e-mail attributes must be mapped to Thron. If such mapping is not provided, syncronization won't be executed

User source (AD/LDAP) attribute	User destination (Thron) attribute
GivenName	First Name*
Surname	Last Name*
mail	Email*
Company	Company
MobilePhone	Mobile

Group source (AD/LDAP) attribute	Group destination (Thron) attribute
Description ✕	Description

*marked fields are mandatory

During this phase you will have to match attributes within the AD with those used by THRON. AD can store user attributes under different names:
- "givenname" is usually user's first name
- "sn" is usually user's last name
- "mail" is usually email address

Please be aware that first name, last name and email address are mandatory.

4. Step four: Select groups

Step 4 of 7

Sync Configuration
Groups selection

Info
Your Directory may contain many groups, in order to select which groups to sync please provide a query filter.
After applying such filter you can select which groups to sync from search results.

Search for groups (use cn=* to show all groups)

| eg.(cn=groupPrefix*) | Search Groups |

Search results

Groups that will be sync'ed to Thron

All

For each group selected above you can specify a filter to sync only specific users (use LDAP query syntax)

(&(objectCategory=person)(objectClass=user)(!(userAccountControl:1.2.840.113556.1.4.803:=2)))

During this phase you will have to select those groups to be synched by the AD Connector: search for each group by using LDAP syntax and then select them in order to fill the sync list. Selected groups members can also be filtered by specifying an additional ldap rule (e.g. Sync only users which have an official employee number).

IMPORTANT: Please remember that leaving this filter empty implies that the synchronization process will involve ALL the groups present in the selected Base Context of the Active Directory.

5. Set THRON Permissions

Step 5 of 7

Sync Configuration
Setting groups permissions & visibility

Groups

all

Permissions

Library
☑ Can add new content

Shareboard
☑ Can share contents with groups and users which has visibility
☑ Can publish contents into share folders
☐ Can publish contents on Social Network
☐ Can publish contents on third party websites

Live
☐ Can manage live events

Statistics
☐ Can view Report analytics console

Guests
☐ Can manage guests

Applications
☐ Can manage applications

Visibility lists
Type here to update visibilities of this group.
Members of this group can see following groups and their members

In this phase you will have to set the permissions to be assigned to synched groups. Remember that users will inherit permissions from their belonging groups, if they belong to more than one group their set of permissions will be the sum of permissions inherited by groups.

6. Step six: Set reconciliation policy

Step 6 of 7

Sync Configuration
Reconciliation policy (LDAP username or group name is already present in Thron user/group base)

◉ **Link existing Thron users or groups when Thron and AD/LDAP username or group name match**
Only 1 of multiple AD/LDAP groups with same username will be linked to Thron.

○ **Create new Thron users/groups**
Keep existing Thron users/groups and create new entries for LDAP/AD usernames or group names.

In this phase you will have to decide how to handle collisions of existing AD usernames in THRON. This happens because AD usernames can change during time while THRON's usernames can not.

After the configuration process is complete you will be able to simulate the synchronization process and check for your results:

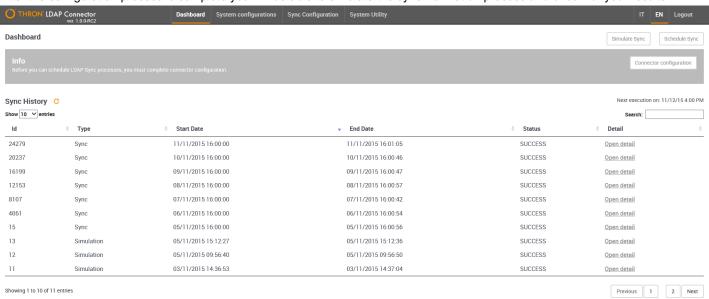| THRON LDAP Connector ver. 1.0.0-RC2 | Dashboard | System configurations | Sync Configuration | System Utility | IT EN Logout |

Dashboard   Simulate Sync   Schedule Sync

Info
Before you can schedule LDAP Sync processes, you must complete connector configuration.   Connector configuration

Sync History ↻   Next execution on: 11/12/15 4:00 PM

Show 10 entries   Search:

Id	Type	Start Date	End Date	Status	Detail
24279	Sync	11/11/2015 16:00:00	11/11/2015 16:01:05	SUCCESS	Open detail
20237	Sync	10/11/2015 16:00:00	10/11/2015 16:00:46	SUCCESS	Open detail
16199	Sync	09/11/2015 16:00:00	09/11/2015 16:00:47	SUCCESS	Open detail
12153	Sync	08/11/2015 16:00:00	08/11/2015 16:00:57	SUCCESS	Open detail
8107	Sync	07/11/2015 16:00:00	07/11/2015 16:00:42	SUCCESS	Open detail
4061	Sync	06/11/2015 16:00:00	06/11/2015 16:00:54	SUCCESS	Open detail
15	Sync	05/11/2015 16:00:00	05/11/2015 16:00:56	SUCCESS	Open detail
13	Simulation	05/11/2015 15:12:27	05/11/2015 15:12:36	SUCCESS	Open detail
12	Simulation	05/11/2015 09:56:40	05/11/2015 09:56:50	SUCCESS	Open detail
11	Simulation	03/11/2015 14:36:53	03/11/2015 14:37:04	SUCCESS	Open detail

Showing 1 to 10 of 11 entries   Previous 1 2 Next

If everything is OK click on the "Schedule Sync" button in order to schedule the synchronization process which will be performed automatically.