


# Configure an Active Directory resource

Version Warning

 The content below is for Apache Syncope <= 1.2 - for later versions the [Reference Guide](#) is available.

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## Introduction

This wiki page shows all the steps needed to configure an external Active Directory resource identified by the following connection parameters:

```
Server hostname: 192.168.0.129
Server port: 636
Principal: cn=Administrator,cn=Users,dc=pluto,dc=org
Principal password: password
Root suffixes: dc=pluto,dc=org
Entry base context: cn=Users,dc=pluto,dc=org
```

In order to link an external Active Directory resource there are pre-requisites and configuration steps to be satisfied.

## Pre-Requisites

1. [Install ConnId Active Directory JNDI connector bundle](#)

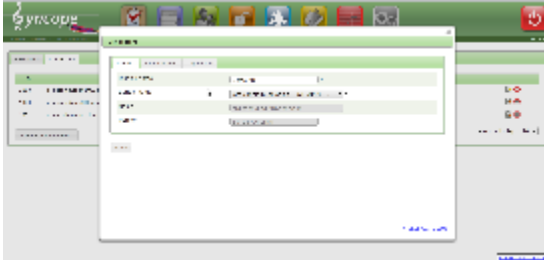
## Configuration steps

1. [Configure Active Directory JNDI connector instance](#)
2. [Configure Active Directory resource](#)

## Configure Active Directory JNDI connector instance

Please, take a look at all configurable parameters at [Active Directory Connector Configuration](#) and use this page as reference to provide your configuration.

1. Open your browser and access to the Syncope administration console (<http://host:port/syncope-console>).
2. Log into the interface by providing the following credentials:
  - a. Login: admin
  - b. Password: password.
3. Click on the *Resources* tab.
4. Click on the *Connectors* sub-tab.
5. Click on *Create new Connector* button (configuration modal page appears).
6. Click on tab *General*.
  - a. Provide *Display name* (e.g. 'Active Directory demo connector') and the correct *Bundle name* (org.connid.bundles.ad.\${version}).

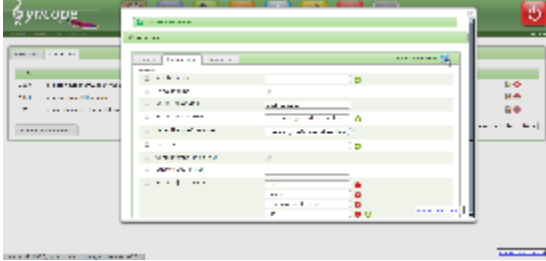


7. Click on tab *Configurations* and provide connector instance configuration.  
Server hostname: **192.168.0.129**  
Server port: **636**  
Principal: **cn=Administrator,cn=Users,dc=pluto,dc=org**  
Principal password: **password**  
Root suffixes: **dc=pluto,dc=org**  
Entry base context: **cn=Users,dc=pluto,dc=org**  
Object classes to synchronize: **User**  
Entry object classes: **Top Person OrganizationalPerson User**

Retrieve deleted users: **TRUE**

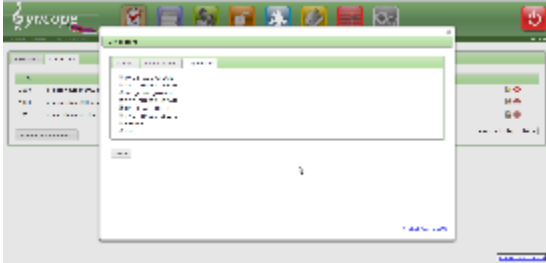
Trust all certs: **TRUE**

Memberships: **cn=Domain Guests,cn=Users,dc=pluto,dc=org**



8. Click on tab *Capabilities*.

9. Check needed capabilities as shown at [Connector instance configuration](#).



10. Click on *Save* button.

## Configure Active Directory resource

1. Click on the *Resources* tab.

2. Click on the *Resources* sub-tab.

3. Click on *Create new Resource* button (configuration modal page appears).

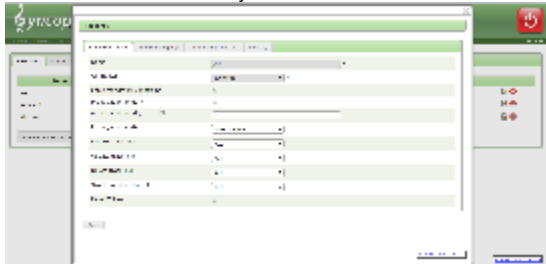
4. Click on *Resource Details* tab.

5. Choose from the list the correct *Connector* instance name.

6. Provide the following information

a. Name: Active Directory demo

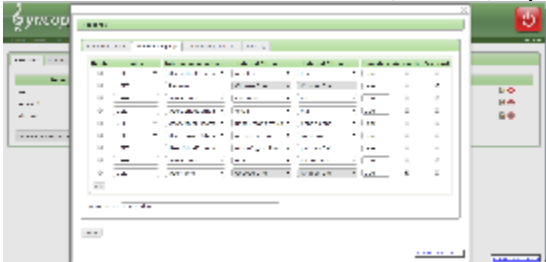
b. Connector: Active Directory demo connector



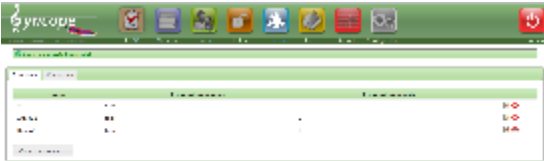
7. Click on *Schema Mappings* tab.

8. Click on *Add* button to [insert attributes mapping](#).

9. Provide Account Link: **'cn=' + username + ',cn=Users,dc=pluto,dc=org'**



10. Click on *Save* button.



### Schema mapping

Internal mapping types	Internal mapping	External Attributes	Mandatory condition	Account Id	Password
Username			true	X	
Password			true		X
UserSchema	surname	sn	true		
UserSchema	firstname	givenName	false		
UserSchema	fullname	displayName	false		
UserSchema	email	mail	true		