



MidPoint Deployment: First Steps [MID301]

Student Lab Guide - Module 4

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Revision 4.8-LTS-A.01, 2023-11-06

This lab guide is not a standalone document and should be used only for the purpose of this training. If there are any questions during the course related to the content of the training or this lab guide itself, do not hesitate to ask the instructor.

If there are any errors, typos or typographic convention mistakes, please report them to the instructor as well. Thank you.

All labs were tested with the midPoint version used during the training.

We assume you have already installed the prerequisites before this training (if there were any).

Disclaimer

The names, organizations and places portrayed in this training course are fictitious. No identification with actual persons (living or deceased), organizations, places or events is intended or should be inferred.

Table of Contents

Module 4: Connecting Target system **3**

 LAB 4-1: Creating Active Directory Resource From Template 3

 LAB 4-2: Reviewing Active Directory Resource Synchronization Configuration 5

Module 4: Connecting Target system

LAB 4-1: Creating Active Directory Resource From Template

Estimated Time: 10 min.

In this lab, we will create a new resource for Active Directory target system. Unlike in previous labs, we will not create it from scratch. We will use a predefined resource template and copy the new resource from it. This way our resource will not depend on the template after it is created.



For simplicity and to allow using docker on any operating system, we use OpenLDAP instead of Active Directory. The directory structure and account naming conventions are made *similar* to real Active Directory.

In your browser with midPoint:

1. go to **Resources** › **New resource**
2. click **Copy From Template** tile
3. click **Training Active Directory Resource Template**
4. set Basic information:
 - a. **Name:** **AD**
 - b. **Description:** **ExAmPLE, Inc. AD resource**
 - c. **Lifecycle state:** keep **Proposed**
5. click **Next: Configuration** to display **Establish a connection** section:
 - a. **Host:** **ad**
 - b. **Port:** **389**
 - c. **Bind DN:** **cn=idm,ou=Administrators,dc=example,dc=com**
 - d. **Bind password:** **secret**
6. click **Next: Discovery** to open **MidPoint Discovery** section
 - a. **Base context:** make sure **dc=example,dc=com** is displayed
7. click **Next: Schema** to display **Schema** configuration
 - a. keep defaults
8. click **Create resource**
9. click **Preview Resource Data** tile

- a. select **inetOrgPerson** object class to display the existing account in your AD resource
10. click **Back**
11. click **Go To Resource** tile

We have successfully created a new resource from resource template. The configuration is already present; we will review and/or update it to our needs in the following labs.

LAB 4-2: Reviewing Active Directory Resource Synchronization Configuration

Estimated Time: 10 min.

In this lab, we will review the synchronization configuration of AD resource which has been copied from the resource template.

The resource and all object types are in **Proposed** lifecycle states, so the resource is ready for simulations but not for normal use.

We will review synchronization configuration first.



Please do not change any resource configuration while reviewing it.

In your browser with midPoint:

1. go to **Resources** > **All resources** unless you are already displaying AD resource accounts
2. edit **AD** resource
3. click **Accounts**
4. click **Configure**, then click **Synchronization** item in the context menu

Synchronization configuration is already in place from the resource template.

All synchronization reactions are in **Proposed** lifecycle state, so they can be used for simulations. The configuration is typical for a target system. Notice the reaction for **Unmatched** (orphaned) accounts is **Delete resource object** rather than **Add focus** which we have used for HR resource.

Click **Exit wizard** to get back to account list.

We will review correlation configuration now.




Please do not change any resource configuration while reviewing it.

1. click **Configure**, then click **Correlation** item in the context menu
2. There are two correlation rules:
 - a. rule **personalNumber-correlation** to correlate by user's personal number vs AD's **employeeNumber** attribute is in place and active (not disabled)
 - b. rule **last-resort-correlation** to correlate by other attributes is currently not active (will be used later)
3. you can click **Edit** for any correlation rule to display its details

Correlation configuration is already in place from the resource template.

Click **Exit wizard** to get back to account list.

We will review inbound mappings now.

1. click **Configure**, then click **Mappings** item in the context menu
2. there are several inbound mappings, all of them are active, but used **only for the correlation** (indicated by  icon)

Click **Exit wizard** to get back to account list.

The resource created from resource template is ready to be used for simulations.

This concludes the Module 4 labs.