

# Active Directory Integration

## Configuring the users on the Active Directory server

All the users on the Active Directory server which should have access to Observer must be members of the group which will be imported by Observer (though of course they can also be members of additional other groups).

1. Create a new **Group** with a **Group Name**, **Group Scope** set to *Global*, and **Group type** set to *Security*.
2. Add the desired users to the previously created group.

## Configuring Observer

Now Observer must be configured to access and use the Active Directory server:

1. Choose **User admin** from the **System administration** menu. This opens the **User admin** dialog.
2. For importing users from Active Directory you can either:  
Select an existing group (though note that this group has to be empty!) OR Create a new group:
  - a. Choose **Add new group** from the **User/group** menu or the right mouse click menu.
  - b. Enter a **Group name** (e.g. *AD-Users*), check the **Users of this group are imported from Active Directory** checkbox and click **Next**.
  - c. Make the appropriate adjustments on the **Privileges** and **Camera access rights** pages. Press **Save**.
3. Right-click on the group and select **Active Directory configuration**.
4. Right-click on the **Active Directory configuration** page and select **Modify host**.
5. Configure the **Connection parameters** (you can test the configuration with the **Test connection** button):
  - a. **Enable** the configuration by checking the corresponding checkbox.
  - b. Enter the **Server address** (IP address) and **Port** (standard port is 389) of the Active Directory server.
  - c. Enter the **User name**, **Password** and confirm the Password.
6. Configure the **Directory parameters**:
  - a. Enter the organizational unit (OU) and domain as the **Search base** (e.g. *OU=Users,DC=netavis,DC=net*).
  - b. Enter the name of the previously configured Active Directory group name as the **AD group name** and don't forget to include the corresponding organizational unit the AD group is located in (e.g. *CN=Observer4,OU=Users,DC=netavis,DC=net*).
  - c. Enter the name of the previously configured Observer user group to which the Active Directory users will be imported as the **Observer group name** (e.g. *AD-Users*).
  - d. Select a previously defined **Attribute mapping schema** or create a new one by choosing **Edit...** and then clicking on **New**. These are the attributes which are imported from Active Directory to Observer:
    - **Login name tag** (mandatory): Set it to *cn* (users login with their common name: e.g. John Doe) OR *sAMAccountName* (users login with their account name: e.g. john).
    - **Name tag** (mandatory): Set it to *displayName*.
    - **SMS number tag** (optional): Set it to *telephoneNumber* / **Email tag** (optional): Set it to *mail*.
7. Enter the domain of the server as its **Directory address** (e.g. for netavis.net it would be *DC=netavis,DC=net*).
8. Configure the **Tag mapping**:
  - a. The **AD group identifier tag** has to be set to *memberOf*.
  - b. The **Login name tag** set here has to match the option (*cn* OR *sAMAccountName*) set earlier in the **Attribute mapping schema**. Press **Save**.
9. After Observer has finished synchronization with the Active Directory server (which may take up to 2 minutes) the users configured there will appear under the previously set **Observer group name** in the **User admin**.

## Additional resources

- NETAVIS Observer 4.8 User Manual