Purpose

This document describes how to monitor Microsoft Windows Active Directory using LDAP. The LDAP protocol is used to test the ability to connect and bind to a member instance. The wizard will create a service that checks that the user object exists.

Target Audience

This document is intended for use by Nagios XI Administrators who wish to test the availability of Active Directory members.

Requirements

You will need an active directory user account to be able to complete this wizard. You will require the following details of the user account:

- LDAP Base
  - This is the container that the user account resides in
- Bind DN
  - This is the distinguishedName of the user account you will be testing with
- Password
  - This is the password for the user account defined in the Bind DN

To gather this required information, login to a Windows domain controller and open the Active Directory Users and Computers console.

Click the View pull down menu and make sure Advanced Features is ticked.
For this example, we'll bind to the John Doe account in the Company organizational unit (OU).

In the screenshot to the right you can see the Company OU is selected in the left pane.

Right click the Company OU and select Properties.

Click the Attribute Editor tab.

In the screenshot to the right you can see the distinguishedName attribute has the value OU=Company,DC=BOX293,DC=local and this is what is required for the LDAP Base field in the configuration wizard.

Click the Cancel button to close this screen.

In Active Directory Users and Computers console, right click the John Doe user and select Properties.

Click the Attribute Editor tab and then double click the distinguishedName attribute to bring up the Editor. Here you will see the full value, in the screenshot to the right you can see the attribute has the value: CN=John Doe,OU=Company,DC=BOX293,DC=local This is what is required for the Bind DN field in the configuration wizard.
Click the **Cancel** button twice to close this screen.

You can log off the domain controller now as we have gathered all the required information.

**Run Configuration Wizard**

To begin using the LDAP Server wizard navigate via the top menu bar to **Configure > Run a configuring wizard**, and select the **LDAP Server** wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.

On Step 1 you will be asked to supply the **address** of the LDAP server.

Click Next to progress to step 2.
On Step 2 you need to provide a **Host Name** for this server.

Populate the LDAP Settings, in our example we have:

**LDAP Base:**

OU=Company,DC=BOX293,DC=local

**Bind DN:**

CN=John Doe,OU=Company,DC=BOX293,DC=local

**Password:**

**************

Change the other settings as required.

Click Next and then complete the wizard by choosing the required options in Step 3 – Step 5. To finish up, click on **Finish** in the final step of the wizard.

This will create the new hosts and services and begin monitoring.

Once the wizard applies the configuration, click the **View status details for your Active Directory Server** link to see the new host and services that were created.
**Troubleshooting**

If your service results come back with unexpected results, test your check command on the command line.

Establish a terminal session to your Nagios XI server and execute the following commands:

```
  cd /usr/local/nagios/libexec
  ./check_ldap -H 10.25.14.51 -b "OU=Company,DC=BOX293,DC=local" -D "CN=John Doe,OU=Company,DC=BOX293,DC=local" -P '********' -2 -v
```

Lines 2 and 3 above need to be typed as one long command, it is wrapped because it is too long to fit on one line in this documentation. The output of a successful command should be something like:

```
LDAP OK - 0.004 seconds response time|time=0.003953s;;0.000000
```

**Finishing Up**

This completes the documentation on how to monitor Active Directory with in Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

https://support.nagios.com/forum

The Nagios Support Knowledgebase is also a great support resource:

https://support.nagios.com/kb