

How To Monitor Active Directory with LDAP In Nagios XI 2024

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.

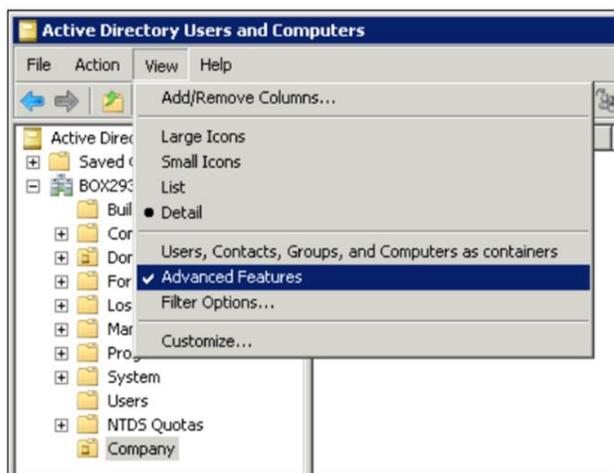
Requirements

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

1. To gather this required information, login to a Windows domain controller and open the **Active Directory Users and Computers** console.
2. Click the **View** pull down menu and make sure **Advanced Features** is ticked.



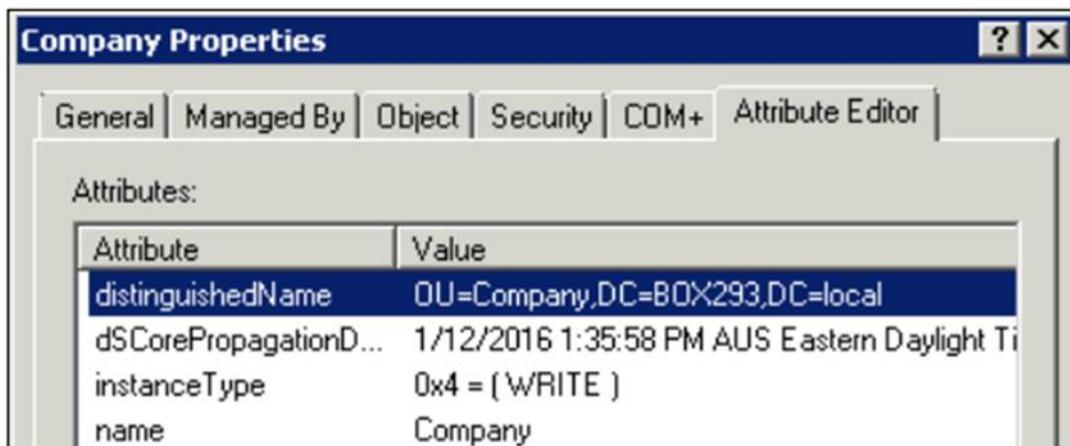
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For this example, we'll bind to the **John Doe** account in the **Company** organizational unit (OU). In the screenshot you can see the **Company OU** is selected in the left pane.

3. Right click the **Company OU** and select **Properties**.
4. Click the **Attribute Editor** tab.



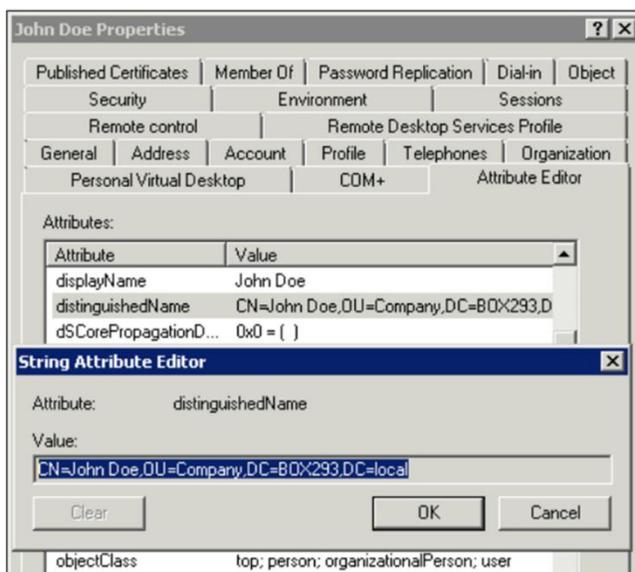
Note: In the screenshot you can see the **distinguishedName** attribute has the value `OU=Company,DC=BOX293,DC=local` and this is what is required for the LDAP Base field in the configuration wizard.



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5. Click the **Cancel** button to close this screen.
6. In **Active Directory Users and Computers** console, right click the John Doe user and select Properties.
7. 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=B0X293,DC=local



Note: This is what is required for the Bind DN field in the configuration wizard.

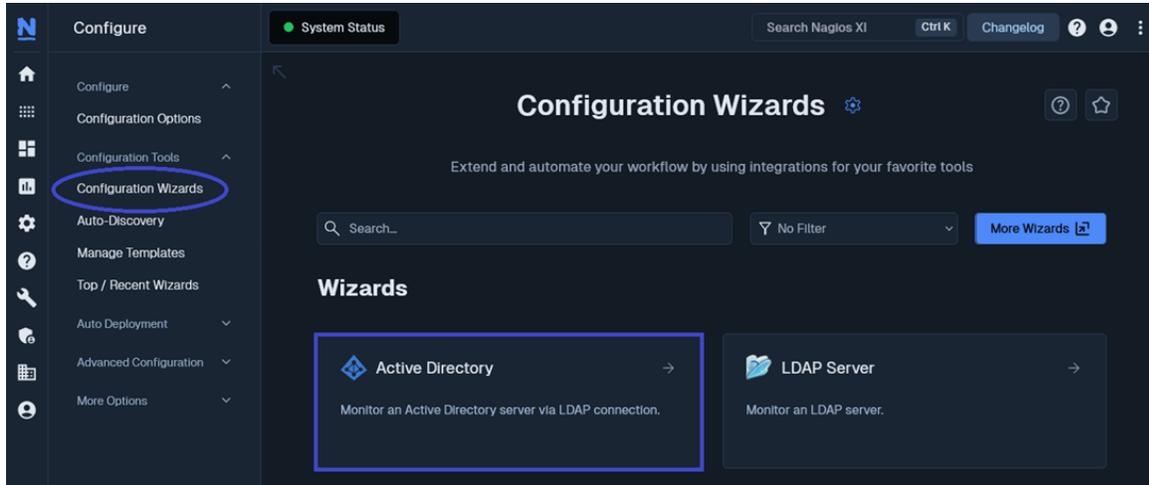
8. Click the **Cancel** button twice to close this screen.

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

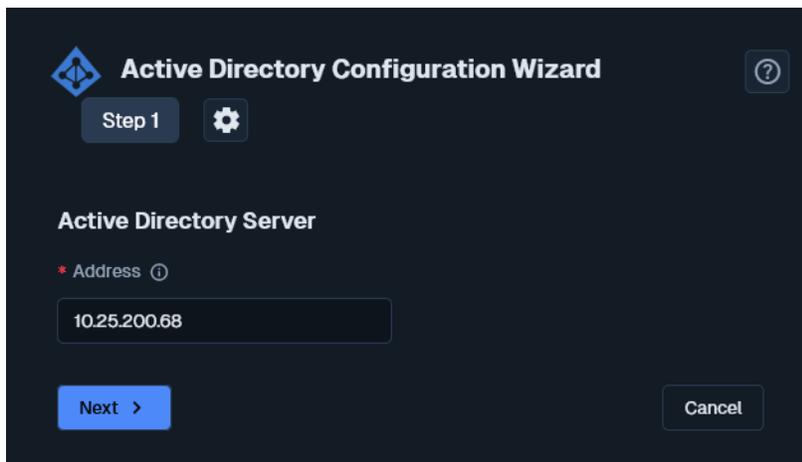
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Run Configuration Wizard

1. 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.



2. On **Step 1** you will be asked to supply the address of the LDAP server, then click **Next**.



3. On **Step 2**, you need to provide a **Host Name** for this server.

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4. Populate the LDAP Settings, in our example we have:

LDAP Base: dc=nagios,dc=com
Bind DN: cn=Manager,dc=nagios,dc=com
Password: *****

The screenshot shows the 'Active Directory Configuration Wizard' in Step 2. The form is titled 'Active Directory Configuration Wizard' and 'Step 2'. It is divided into two main sections: 'Active Directory Server' and 'LDAP Connection Settings'. Under 'Active Directory Server', there are fields for 'Address' (10.25.200.68), 'Host Name' (10.25.200.68), and 'Port Override' (636). Under 'LDAP Connection Settings', there are fields for 'LDAP Base' (dc=nagios,dc=com), 'Bind DN' (cn=Manager,dc=nagios,dc=com), 'Password' (masked with dots), 'Version' (3), and 'Security' (SSL). The form has a 'Back' button, a 'Next >' button, and a 'Cancel' button.

5. Change the other settings as required.
6. Click **Next**, then complete the wizard by choosing the required options in **Step 3 – Step 5**.
7. To finish up, click on **Finish** in the final step of the wizard. This will create the new hosts and services and begin monitoring.

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- 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.



Service	Status	Duration	Attempt	Last Check	Status Information
Active Directory Server	Pending	N/A	1/5		

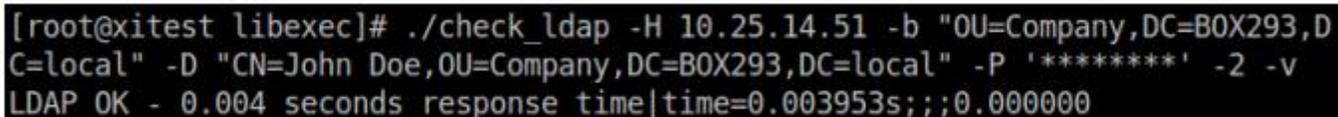
Troubleshooting

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
```



```
[root@xitest 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
LDAP OK - 0.004 seconds response time|time=0.003953s;;;0.000000
```

More Information:

[How To Use And Configure Wizards In Nagios XI 2024](#)

Finishing Up

This completes the documentation on monitoring Active Directory with LDAP in Nagios XI 2024. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

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