LAB – Local Active Directory Synch to Azure Active Directory

- 1. Create an Active Directory on Azure 2016
- 2. Login to the VM, and promote it as Domain Controller.
- 3. The Domain name should have already been configured and verified on the Azure portal as well.
- 4. Install the Azure AD connect on the VM and configure it.

Pre-Requisite

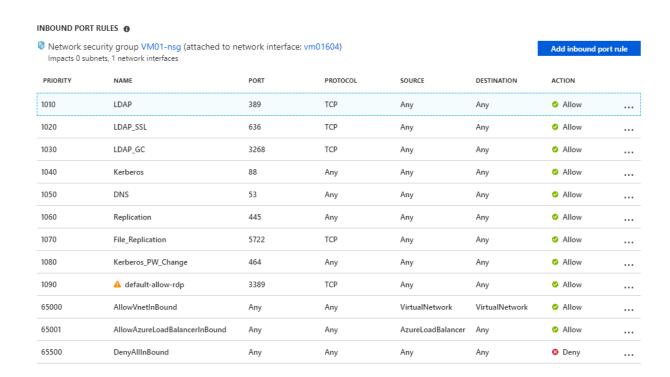
1. Should have an domain either bought on the Azure custom domain, or anyother domain provider and verif the domain on Azure portal

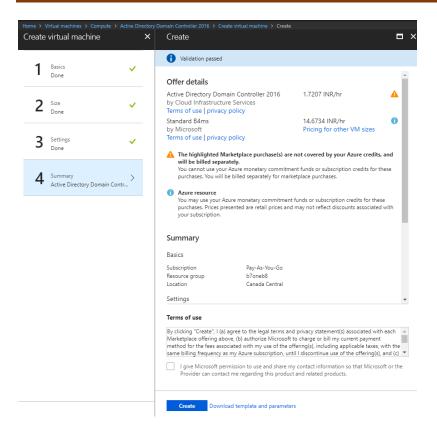
1. Create an Active Directory on Azure 2016

Select the below image to create an VM on Azure for Active Directory.



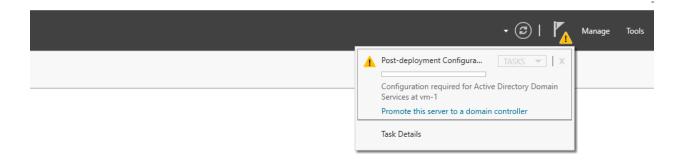
Ports to be opened on the Virtual Machine (Active Directory)



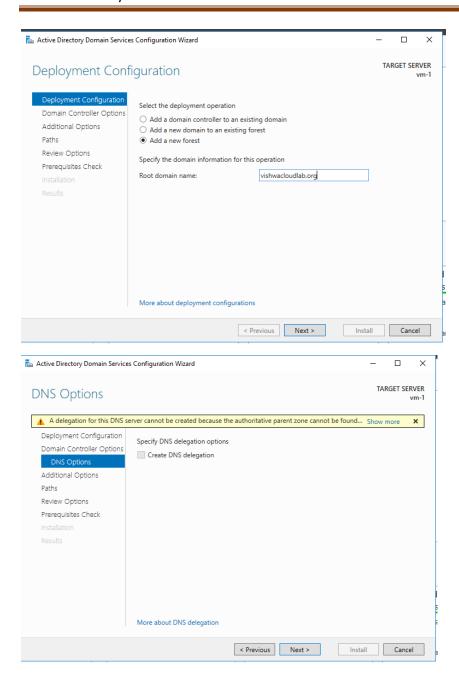


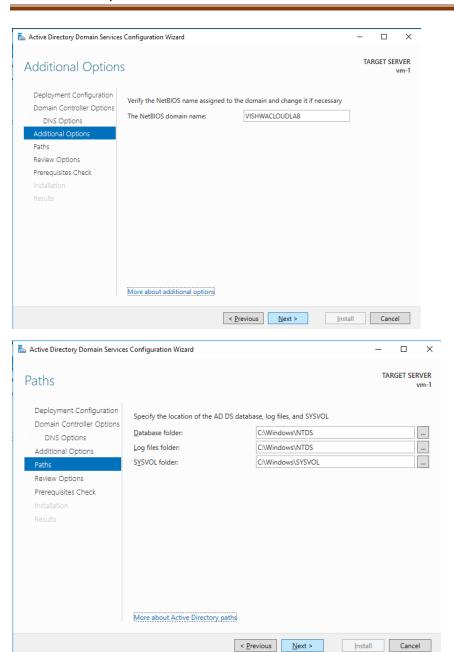
2. Configure the Active Directory on the Virtual Machine

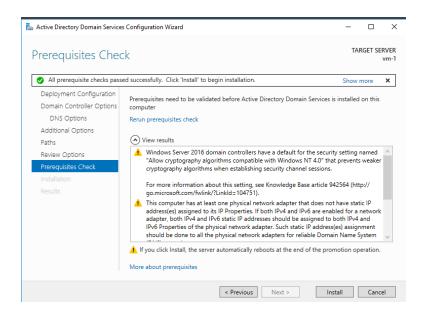
Login to the VM. Click on the notification in the "Server Manager"



Click on "promote this server to Domain Controller"







Note:-- The VM would restart, this would take 5 to 10 min for AD to be ready.

3. The Domain name should have already been configured on the Azure portal as well.

The "Domain" has to be bought by you.

And should be verified on the Azure portal.

And the same "Domain" should be configured on the Active Directory VM as well.



4. Install the Azure AD connect on the VM and configure it.

Note:-- Create an **user** on the Azure portal for the **Domain** that is created with **"Global Adminsitrator**" Role.

The default Admin userID for the Azure Portal will not work to add the active directory to the Azure.



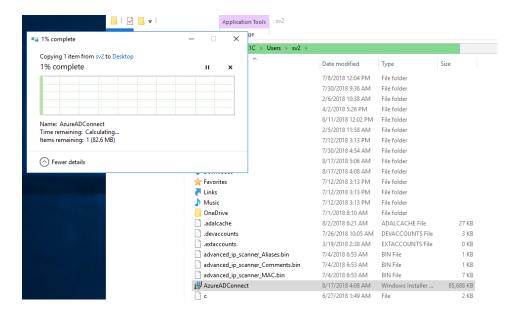
The userID would say "Created on Azure Active Directory".

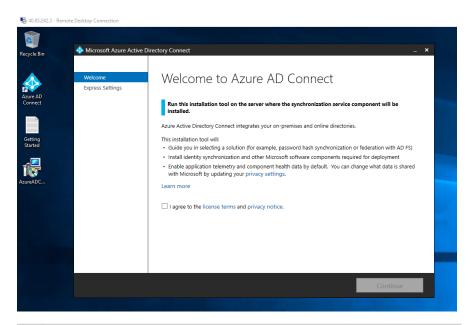
Download the below link on the Virtual Machine for "azure AD Connect"

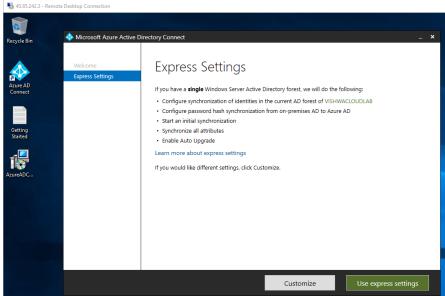
https://www.microsoft.com/en-us/download/details.aspx?id=47594

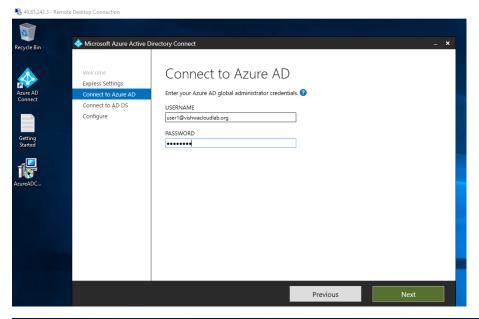
ShortCut—Download the "Azure AD Connect" on your laptop and copy it into the Virtual machine.

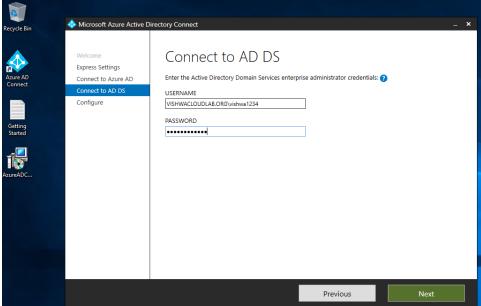
As the link does not open up in the new VM, properly.



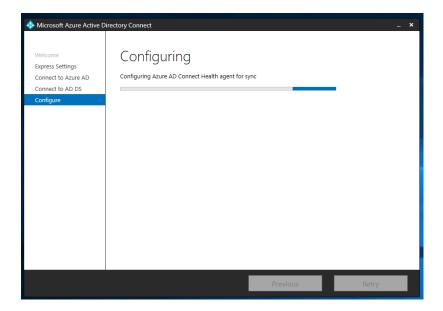


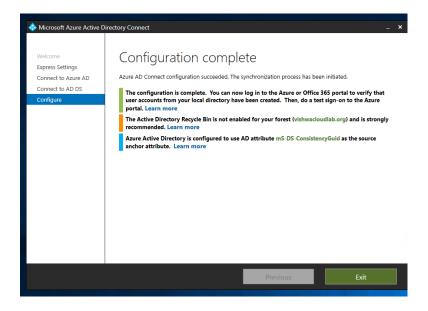




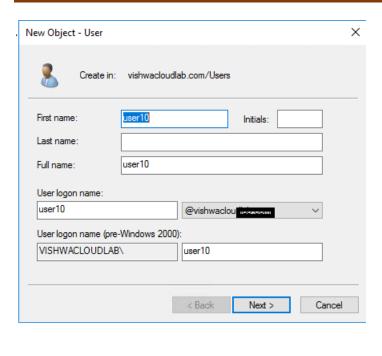


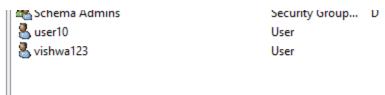
The above usr and pwd is the local user/pwd on the Active Directory server.





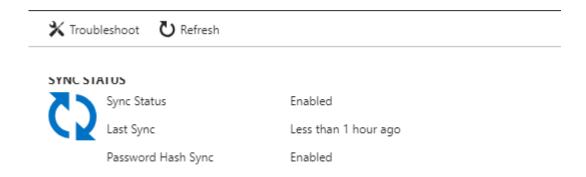
Create an user in the Active Directory on the Virtual Machine AD.





After the Active Directory is connected to the Azure AD connect

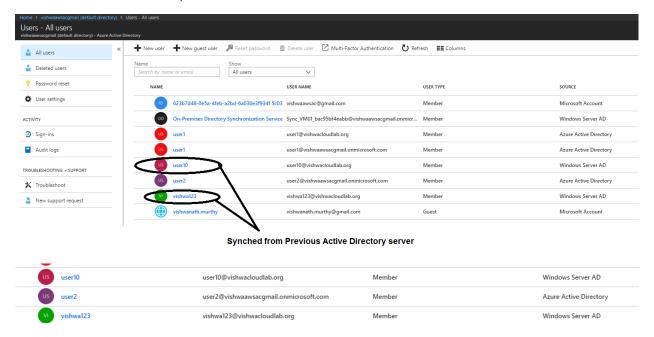
The below is the screen short after 1 hr on the Azure portal.



The users that was created in the active directory on the onprem has been listed automatically in the azure active directory

The Above users are created on the active directory

The below same users are synched to Azure.



Objective:

There is no need to create users in the Azure AD

This is very usefull for the IT admins in an organization, where in they will hve single sign on for their local systems and Azure portal.