Practical No: 4

setup using Domain Controller

Deploy DC and Install AD Connect to sync users to AAD

Agenda:

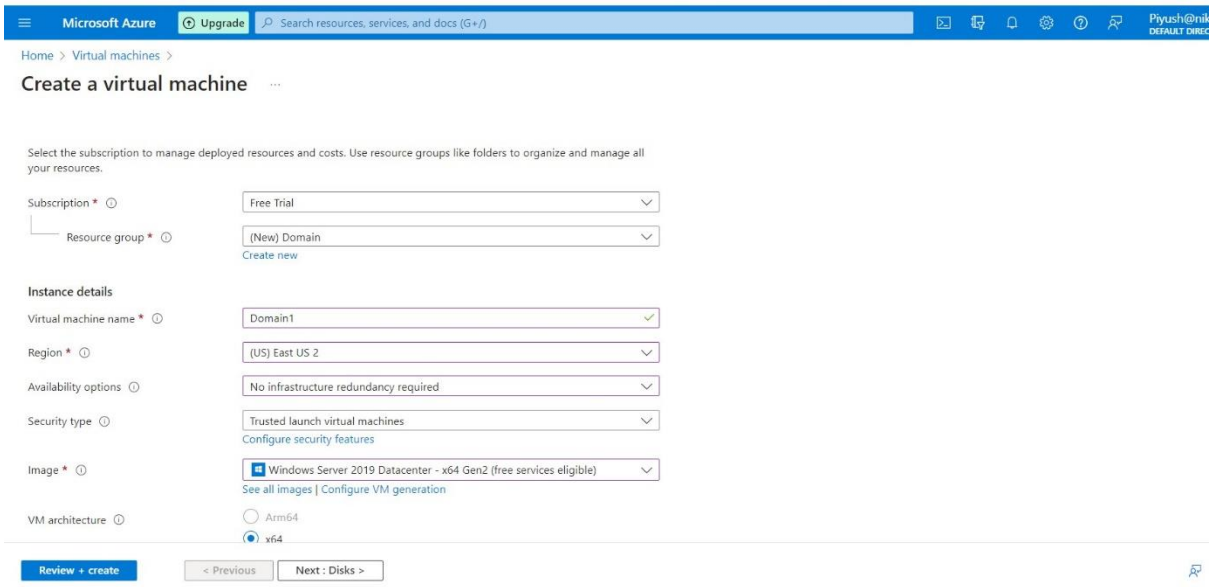
Section 3: Implement Azure Virtual Desktop Host pool

1. Create VM
2. Deploy Domain Controller
3. Install AD connect to sync users to AAD
4. Reference: - https://www.youtube.com/watch?v=1corwQ5DlaU&list=PL-7q6zBuziYE9ZMWhigjU6VXlOv1mLnpL&index=3

Steps to setup AVD using Domain Controller:

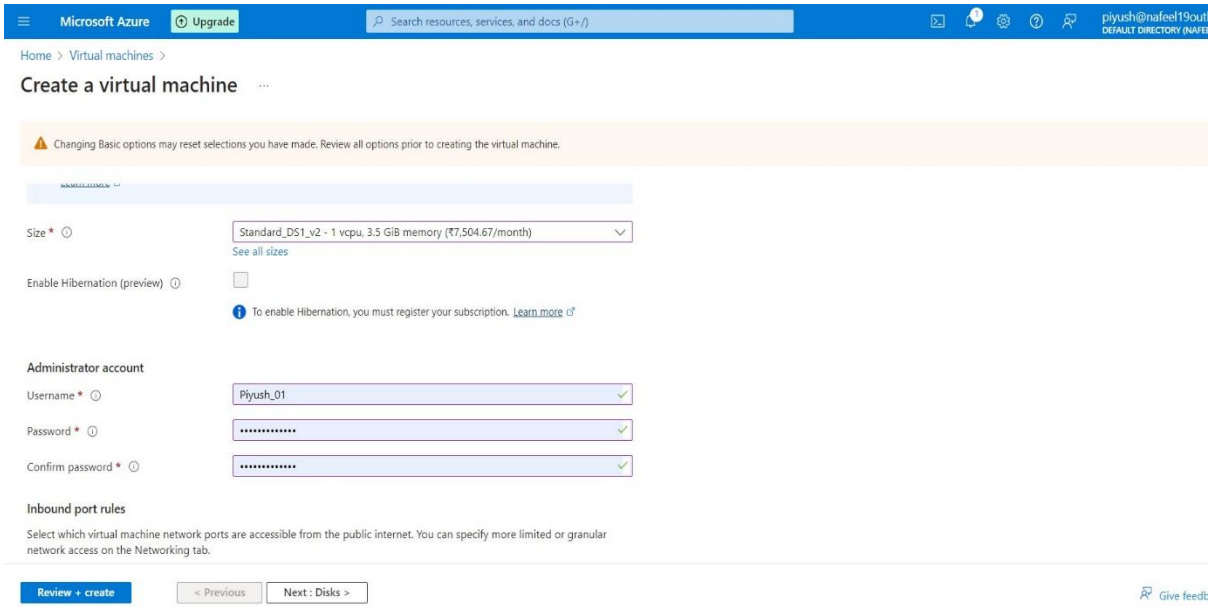
1. Create VM:

- Sign in Azure portal and Click to Create a new virtual Machine and Deploying Region as Europe Norway East also Available options selected as no infrastructure
- In image Select Windows 2019, only 2016 and 2019 Server Manager is available, by using 2019 we can Deploy Domain Controller

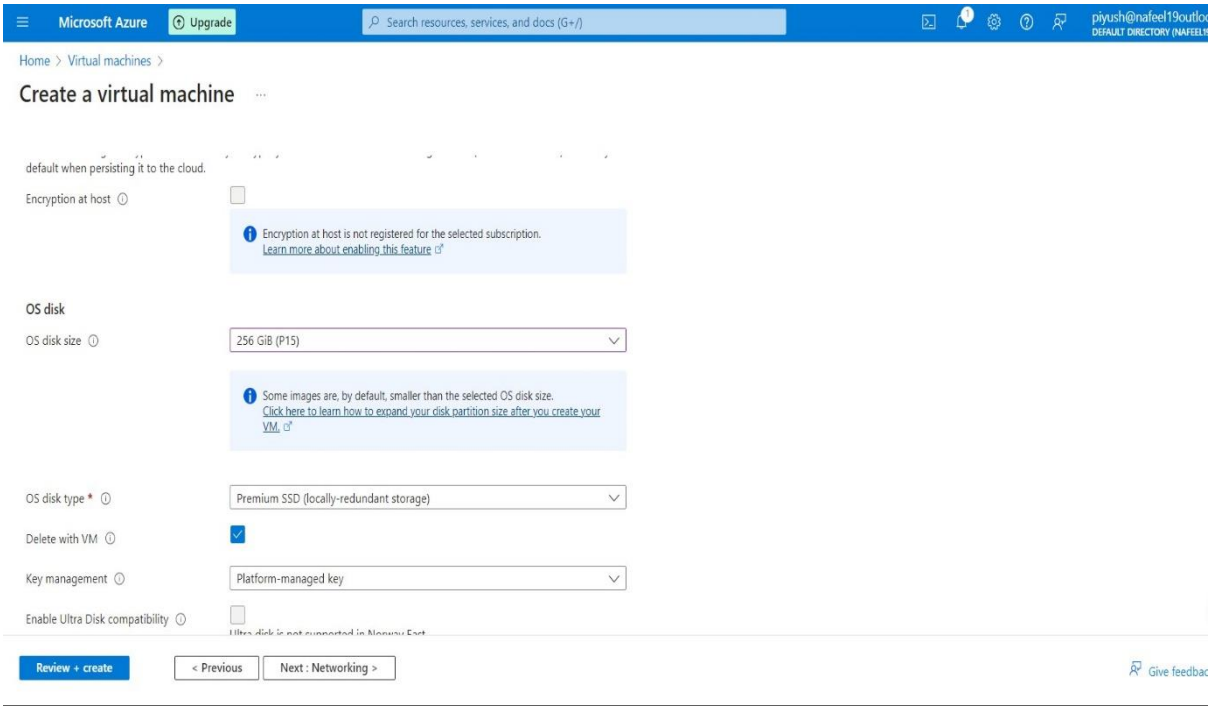


Section 3: Implement Azure Virtual Desktop Host pool

- Select a Size for your VM from the drop-down for your computer resources such as RAM, Memory as per requirements.
- Give Administrator Account username and Password

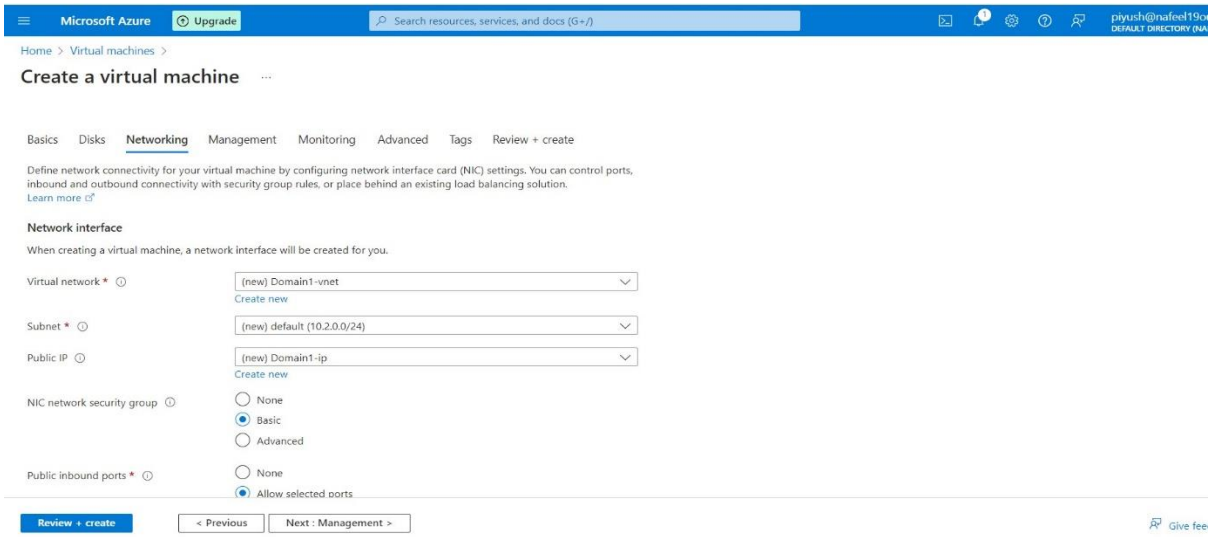


- Select Disk size as per requirement

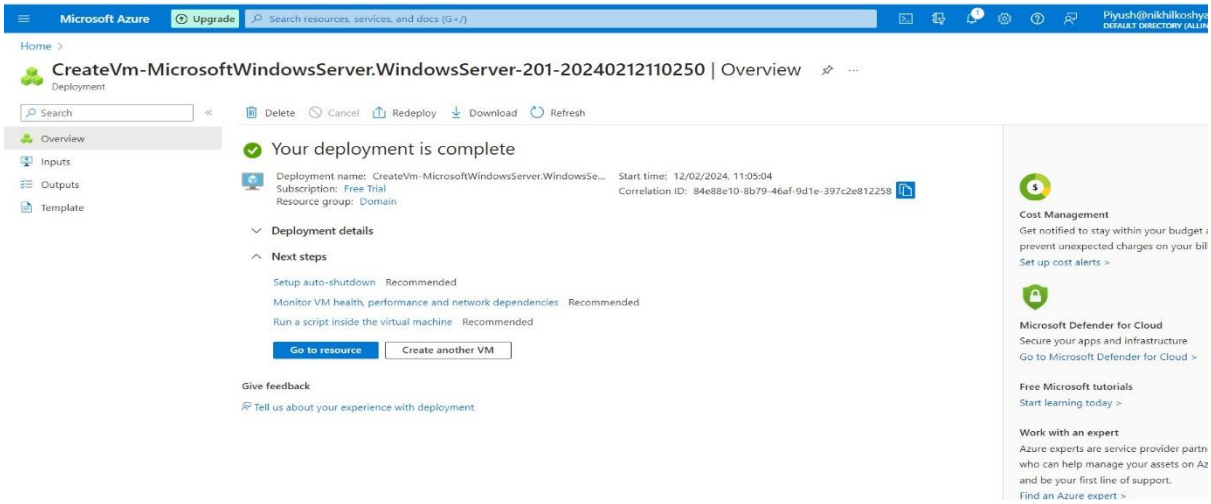


Section 3: Implement Azure Virtual Desktop Host pool

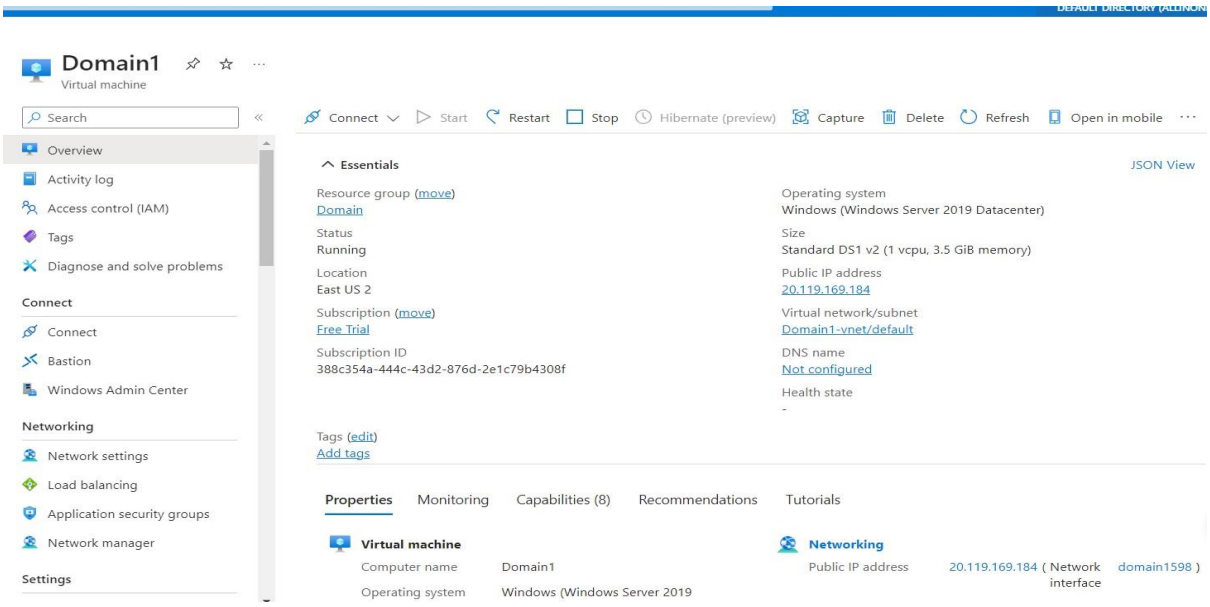
- In Networking keep Default



- Click to Create VM

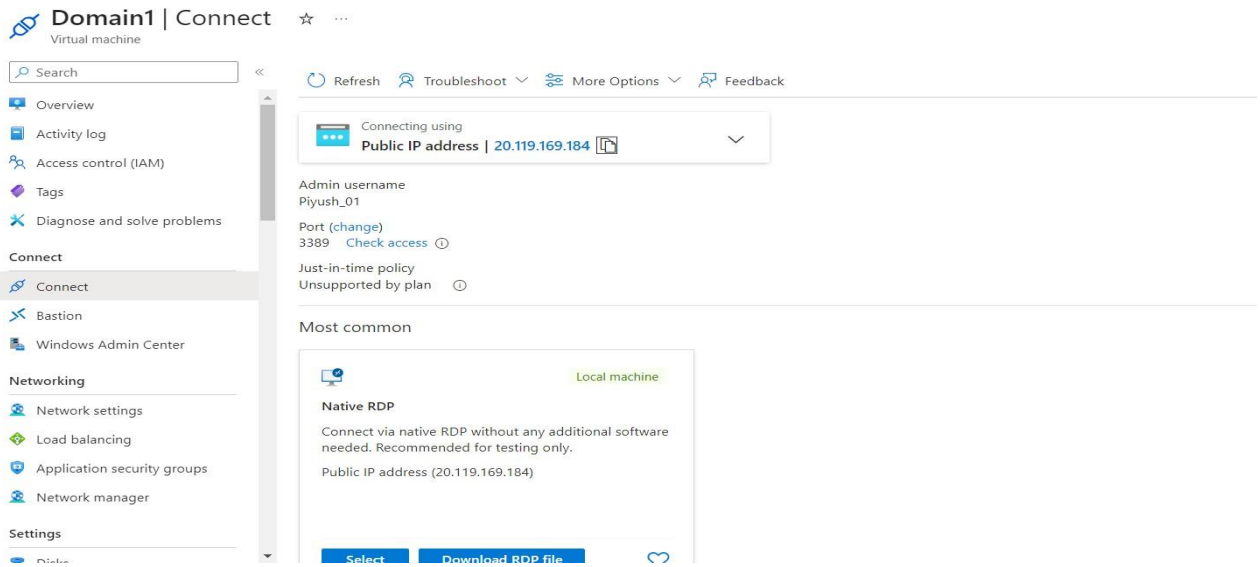


- VM is Ready

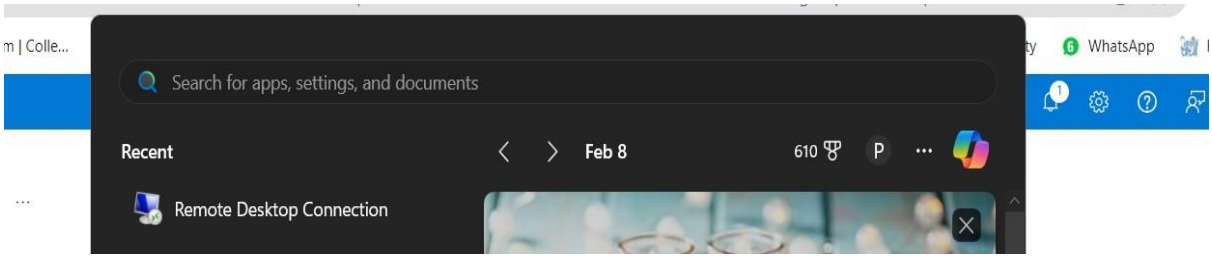


Section 3: Implement Azure Virtual Desktop Host pool

- Click to Connect
- Copy the Public IP

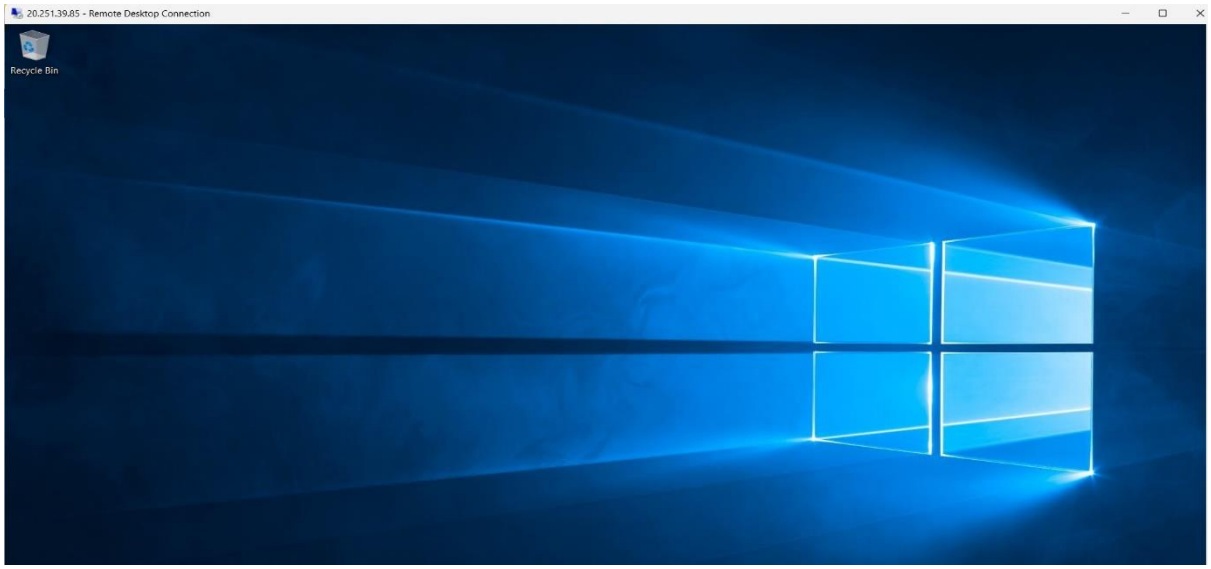


- Search into windows search bar Remote Desktop Connection



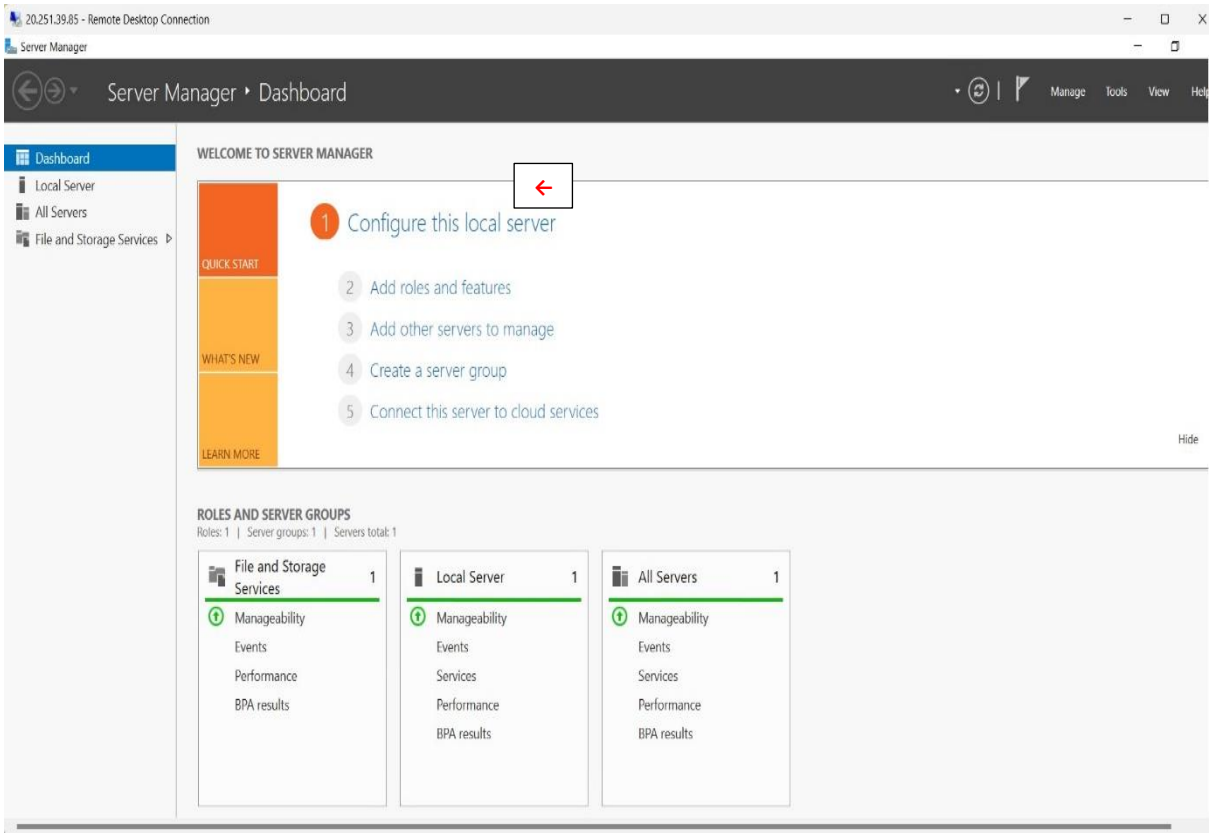
- Paste the public ip
- Click to Connect

- VM is ready



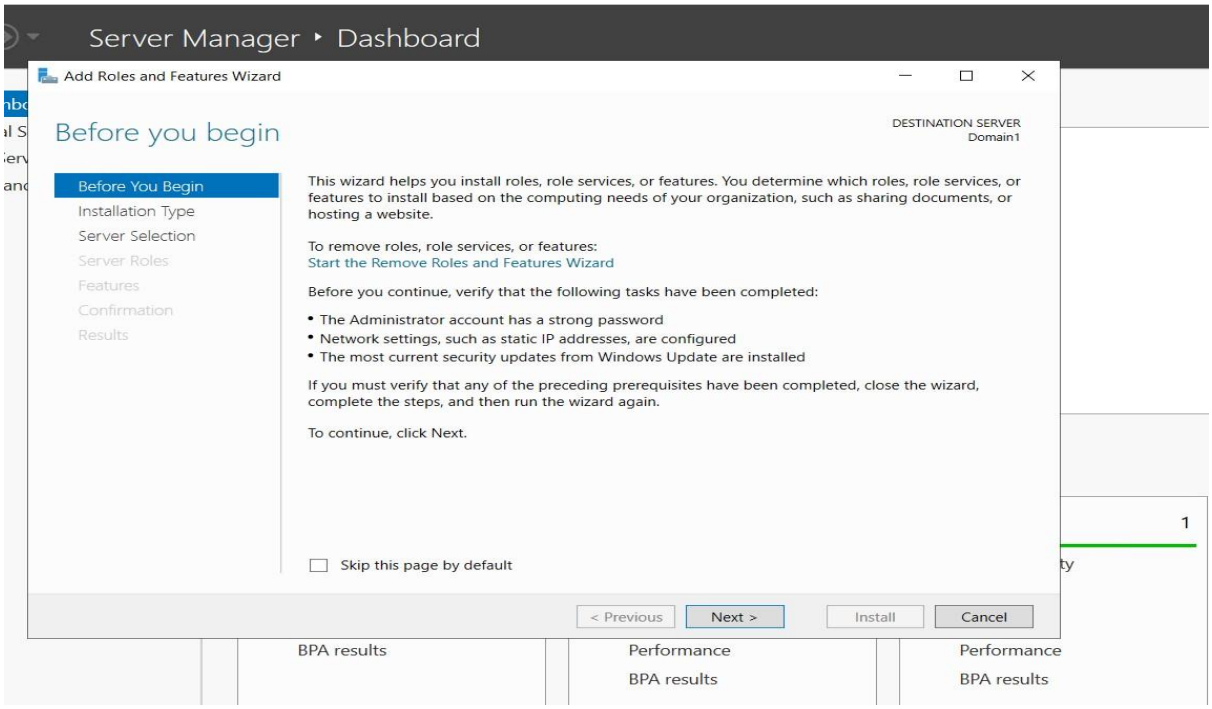
2. Deploy Domain Controller:

- Then open server Manager:
- Click to Add roles and Features

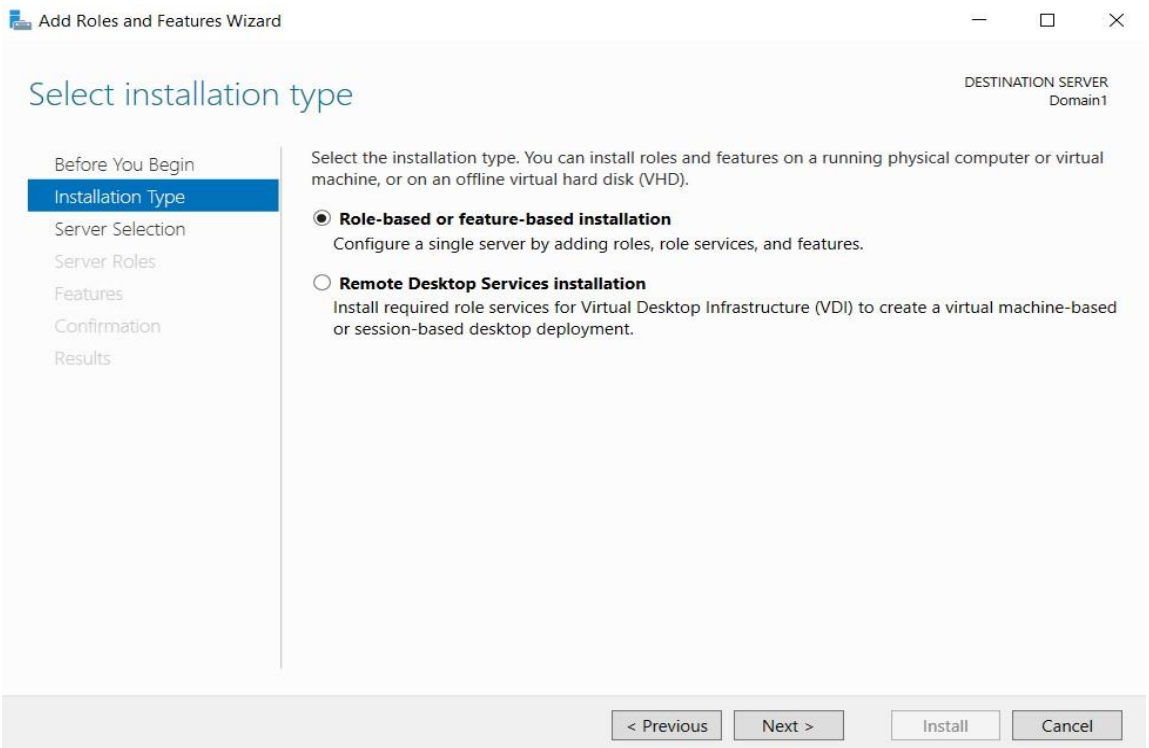


- Click to Next

Section 3: Implement Azure Virtual Desktop Host pool

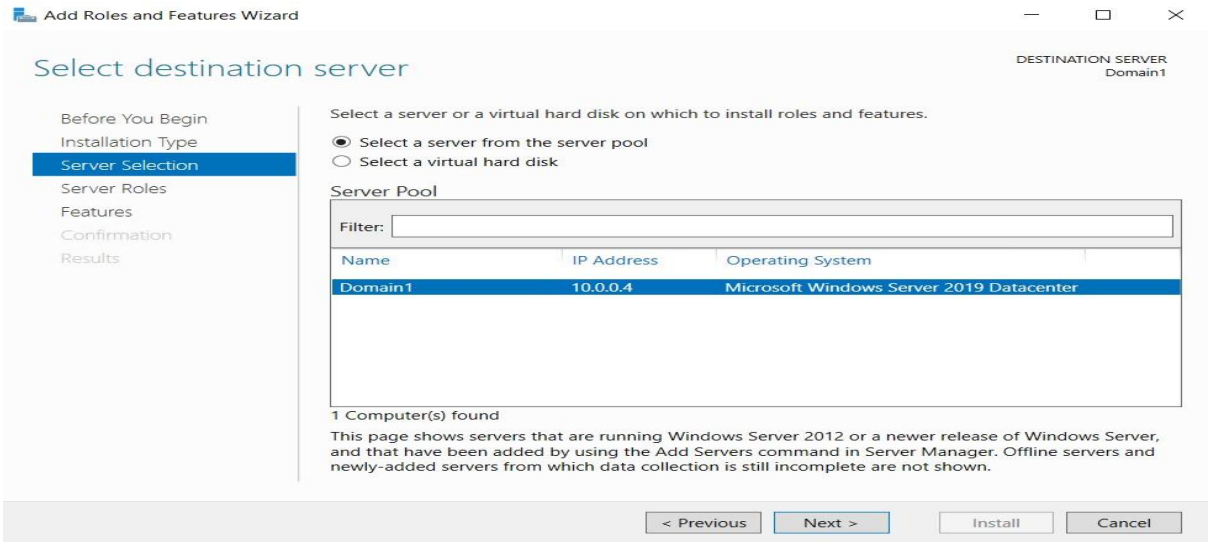


- Installation Type- Click next

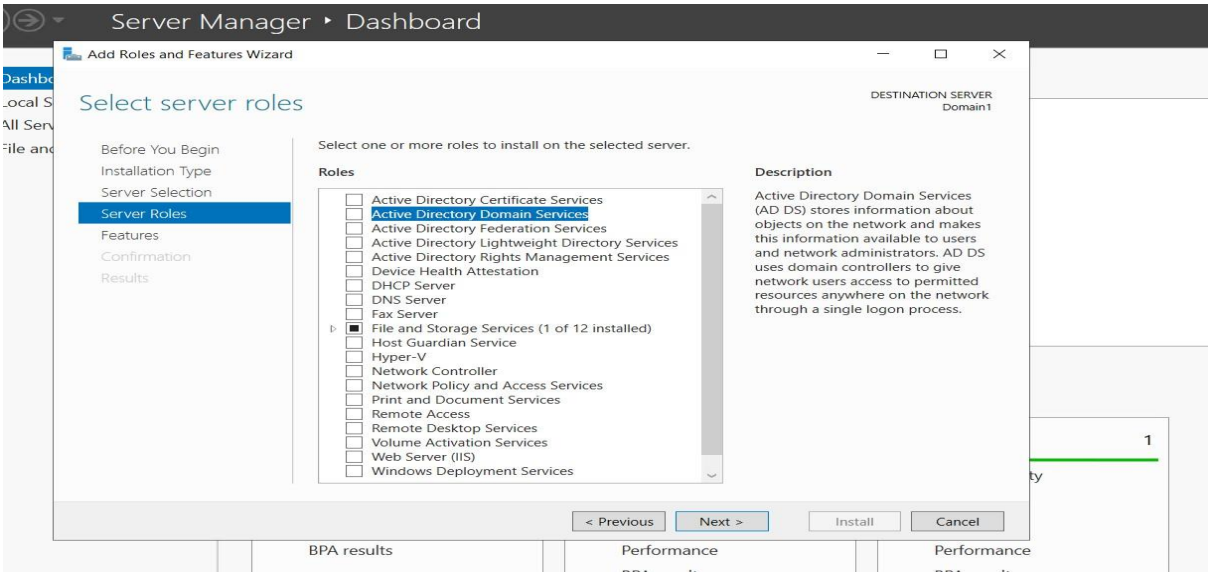


Section 3: Implement Azure Virtual Desktop Host pool

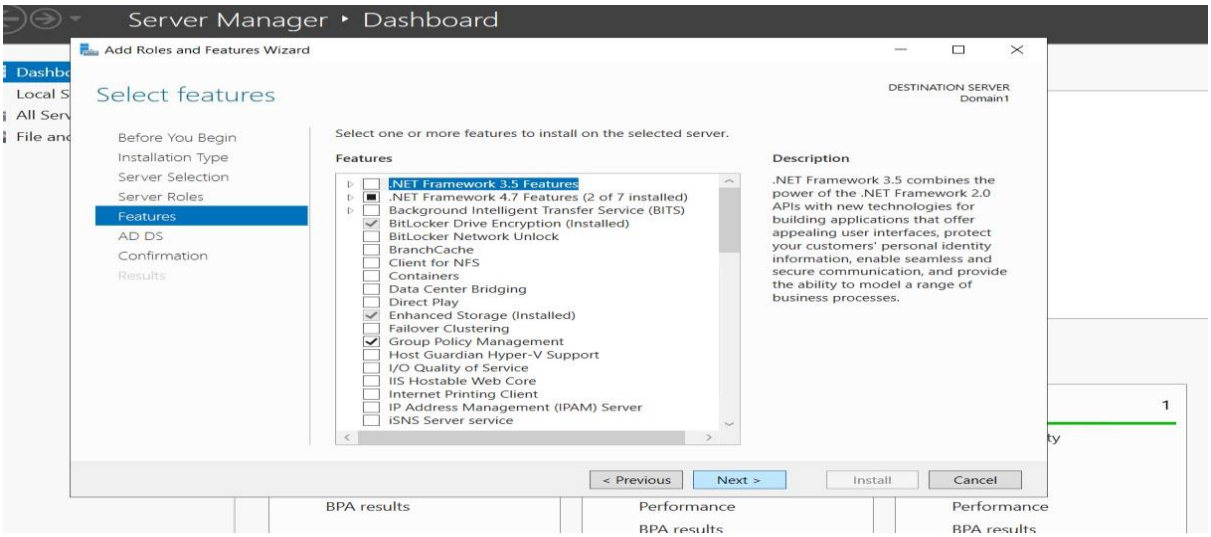
- Click to Next



- Select Active Directory Domain Services

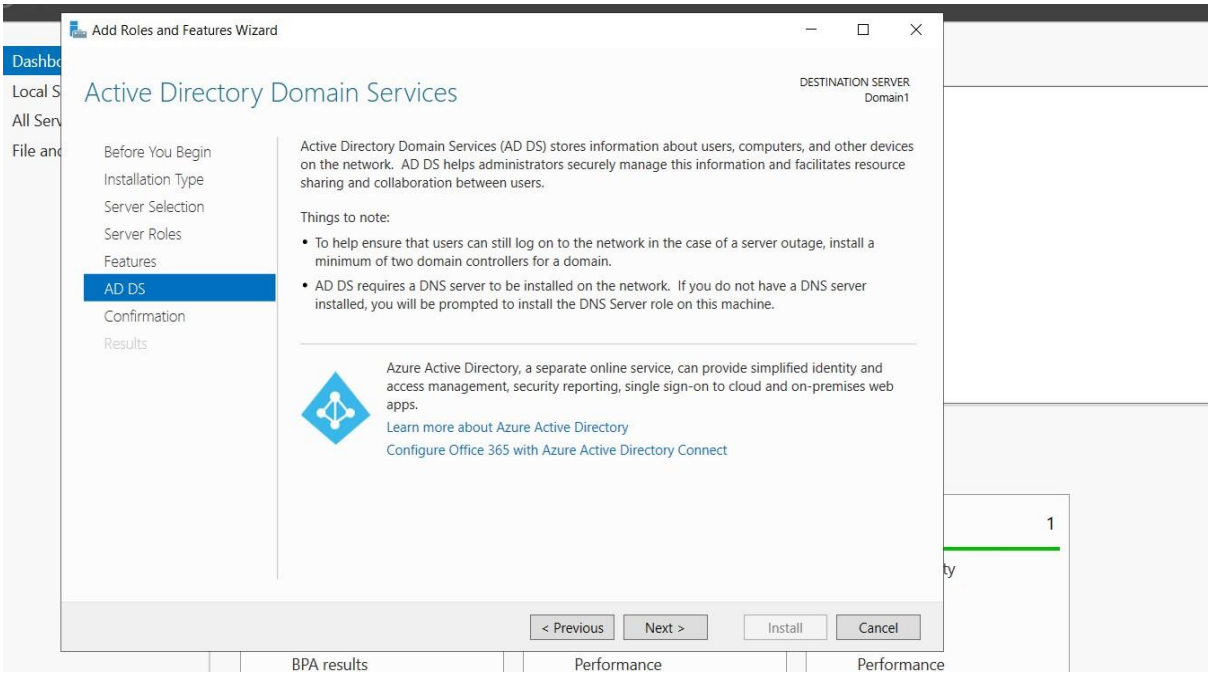


- Then click to next and click to Add features
- Click next

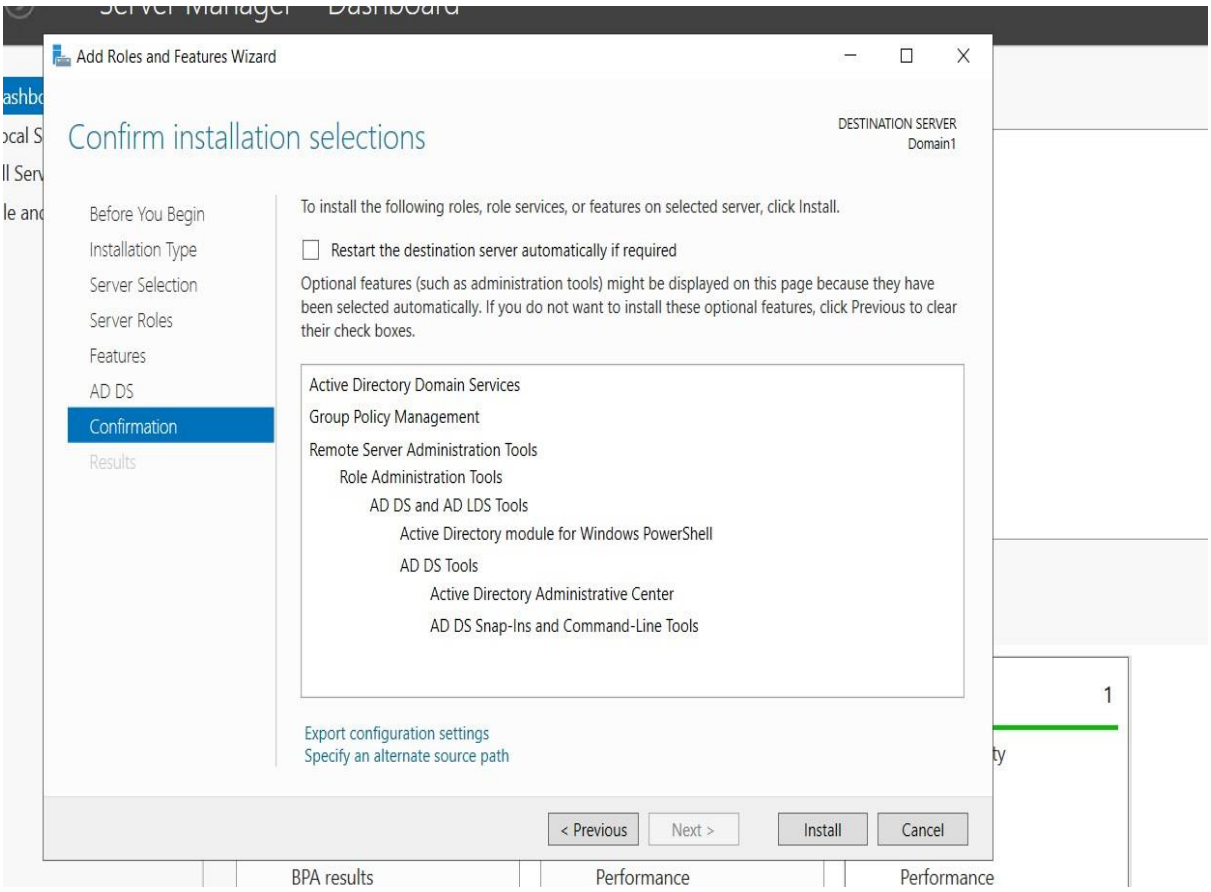


Section 3: Implement Azure Virtual Desktop Host pool

- Click to Next

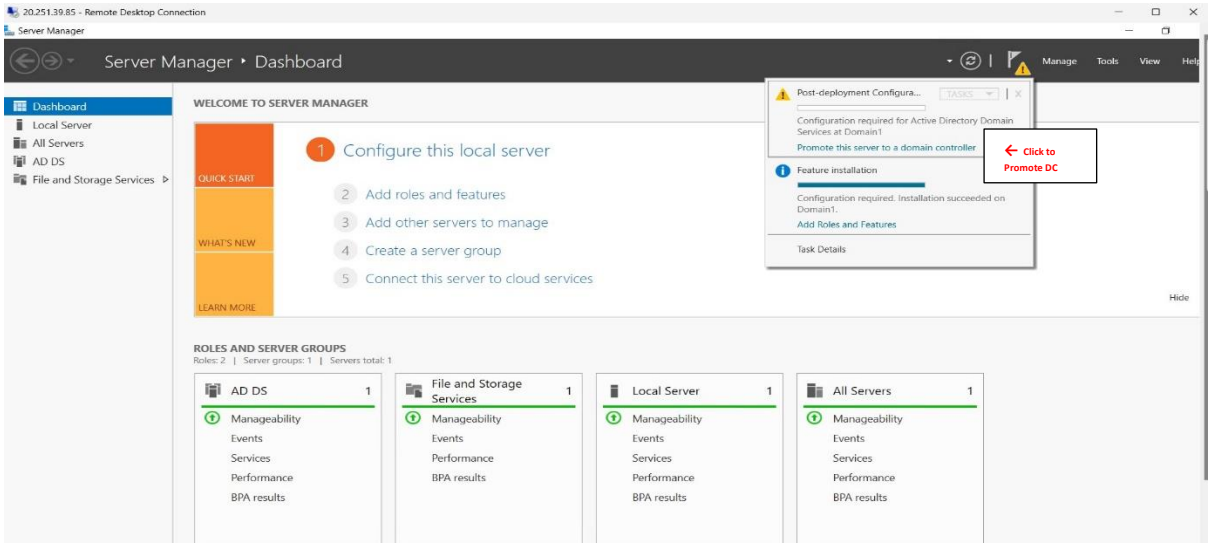


- Click to Next
- Click to install:

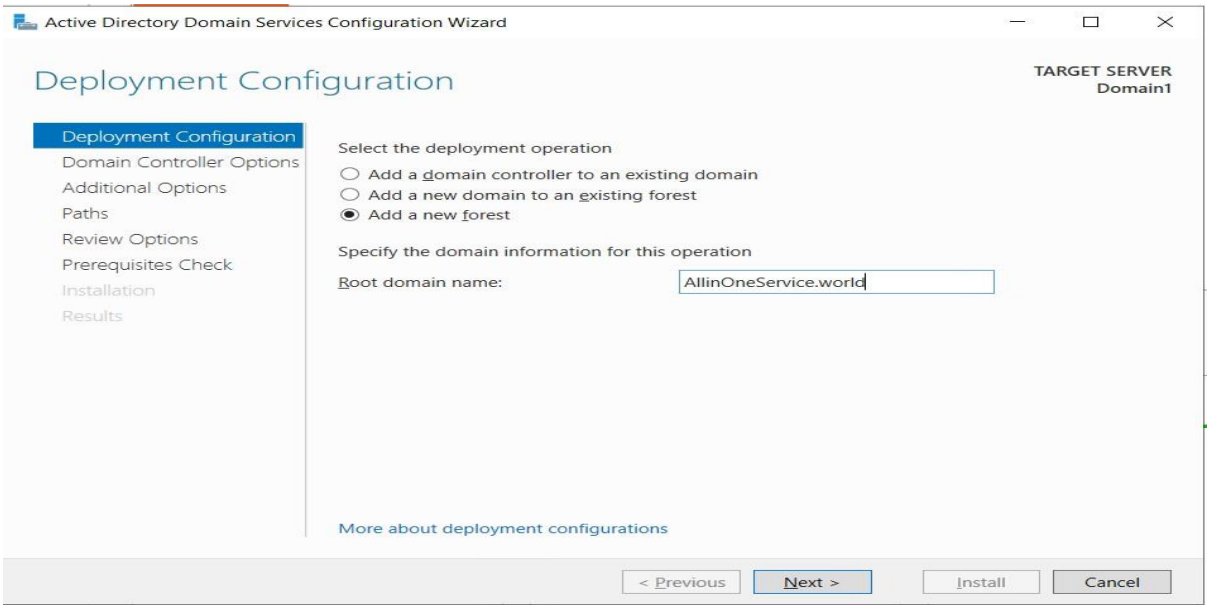


Section 3: Implement Azure Virtual Desktop Host pool

- After installation,
- To add Domain Controller, we required Domain
- Click promote this server to a domain controller

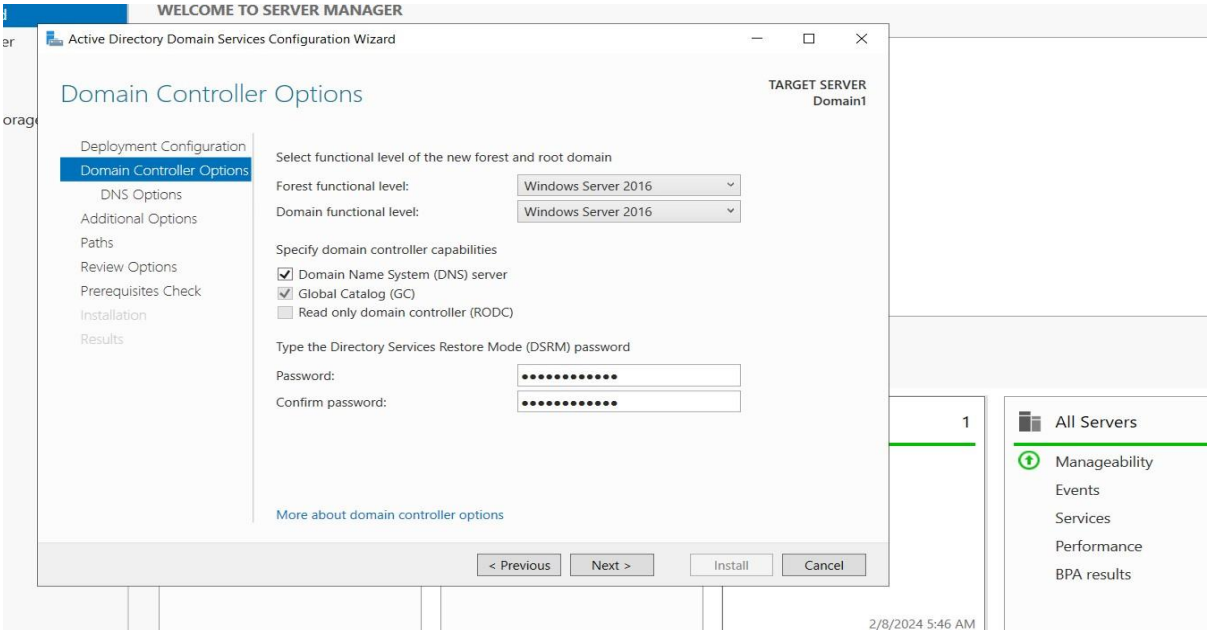


- Select Add a new forest
- Type your Root domain name AllinOneService.world
- Then click to next

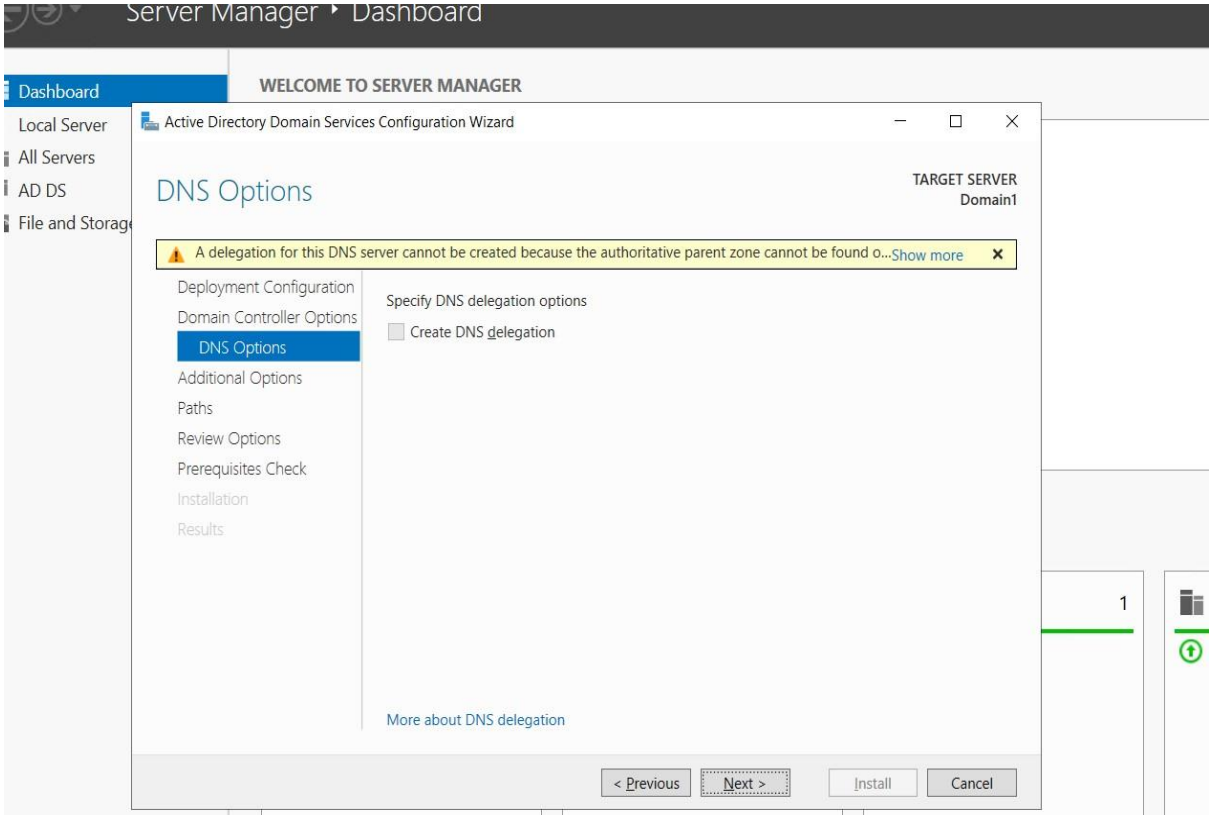


Section 3: Implement Azure Virtual Desktop Host pool

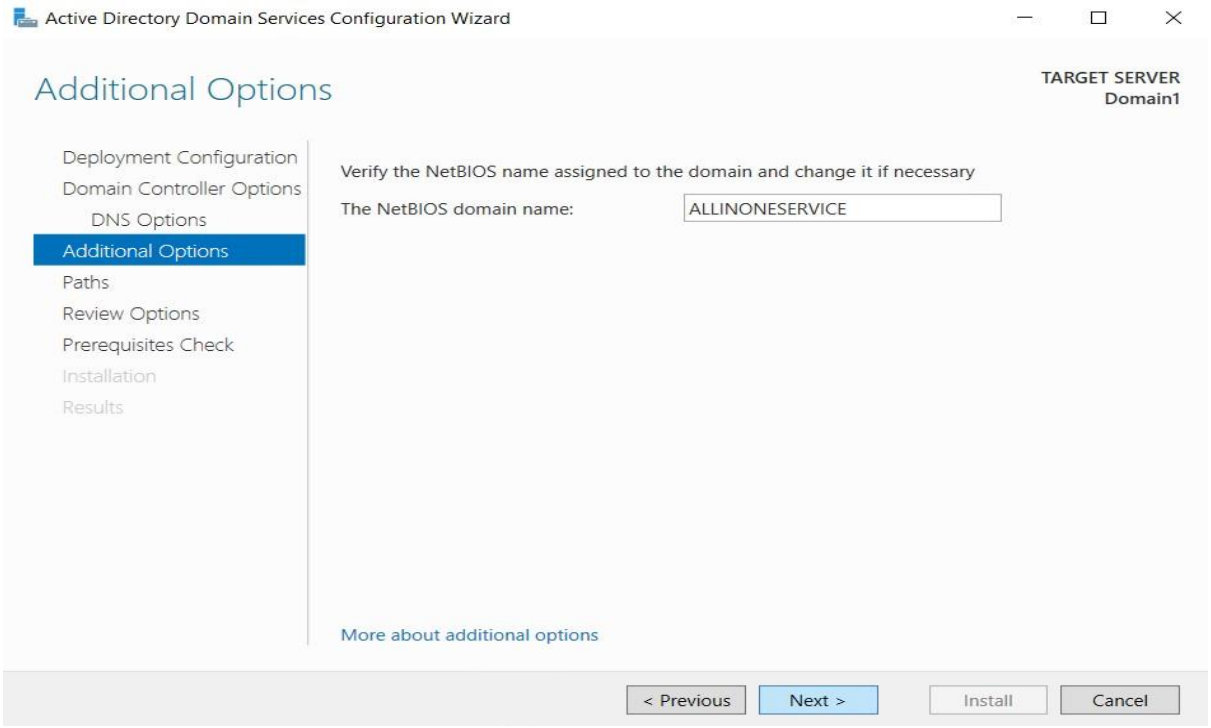
- create a new password as per requirement



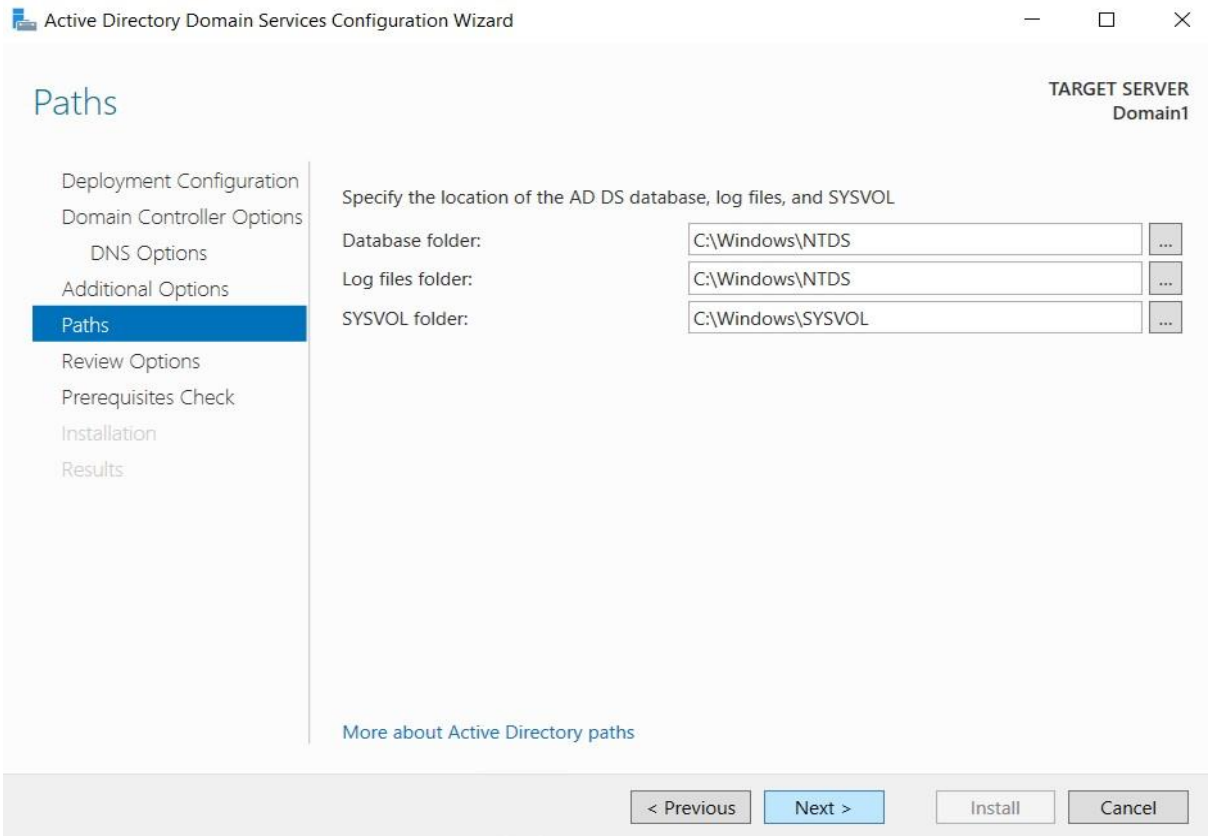
- Click to Next



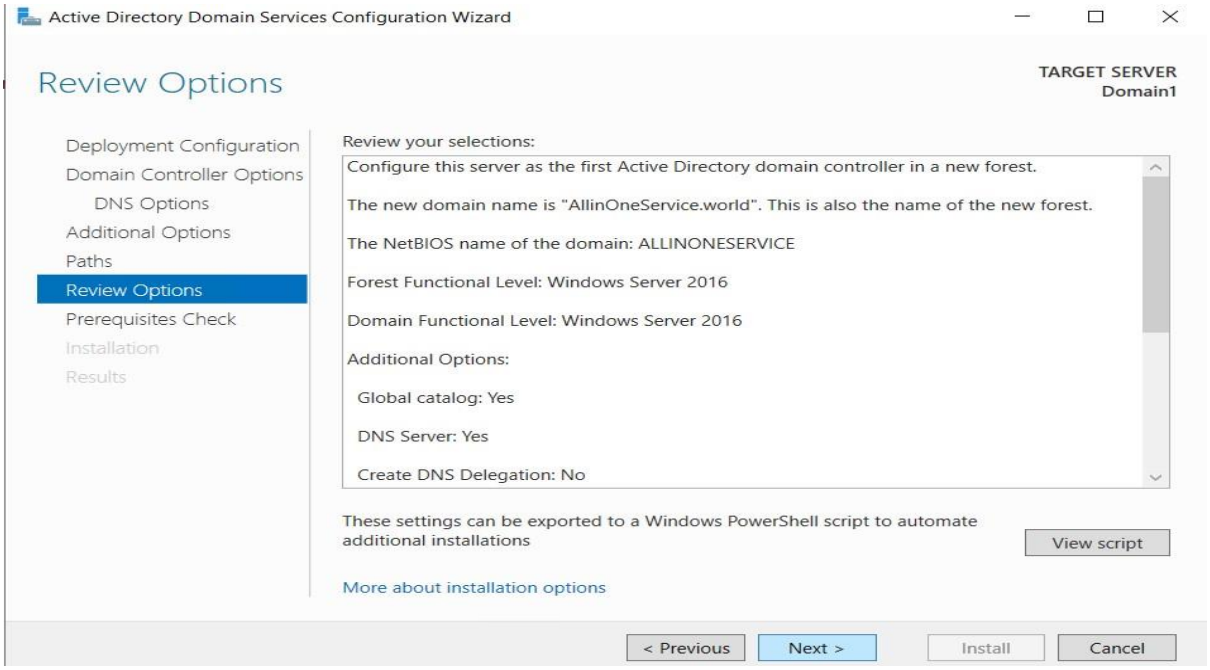
- Click to Next



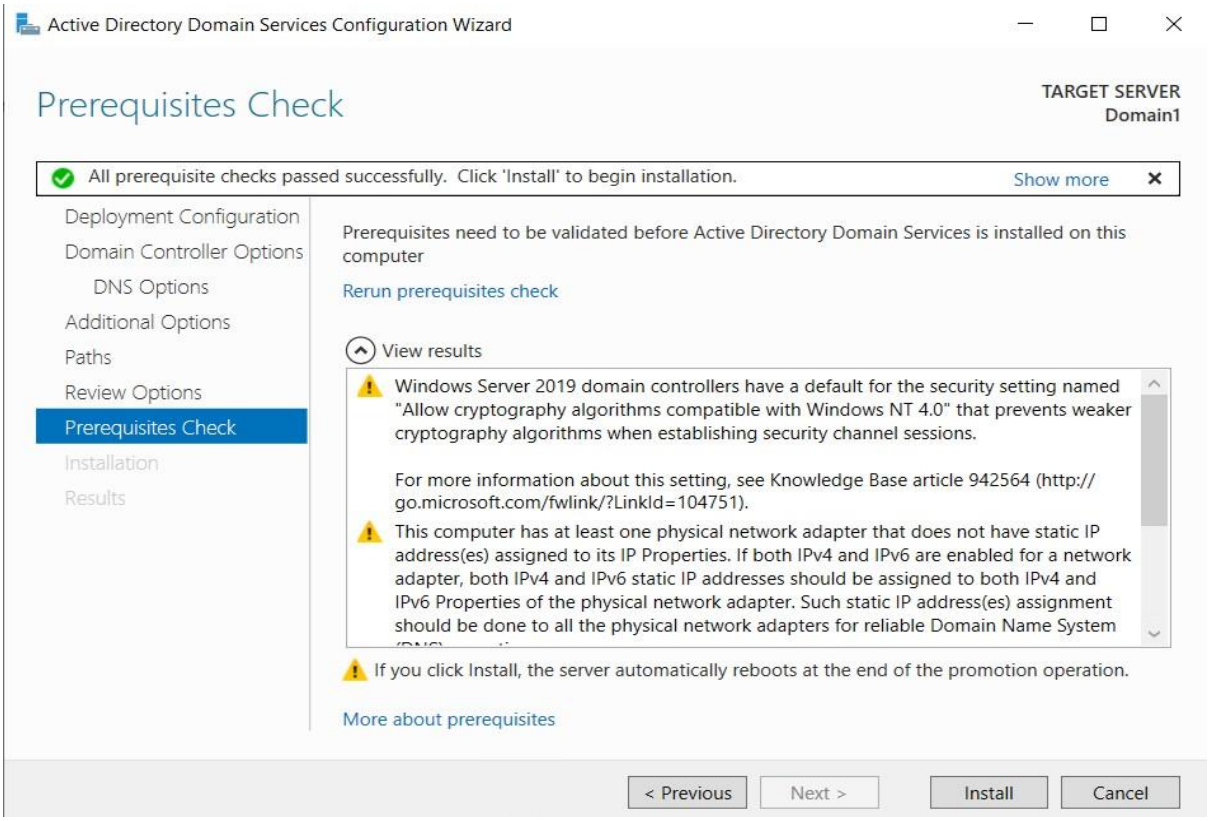
- Click to Next



- Click to Next

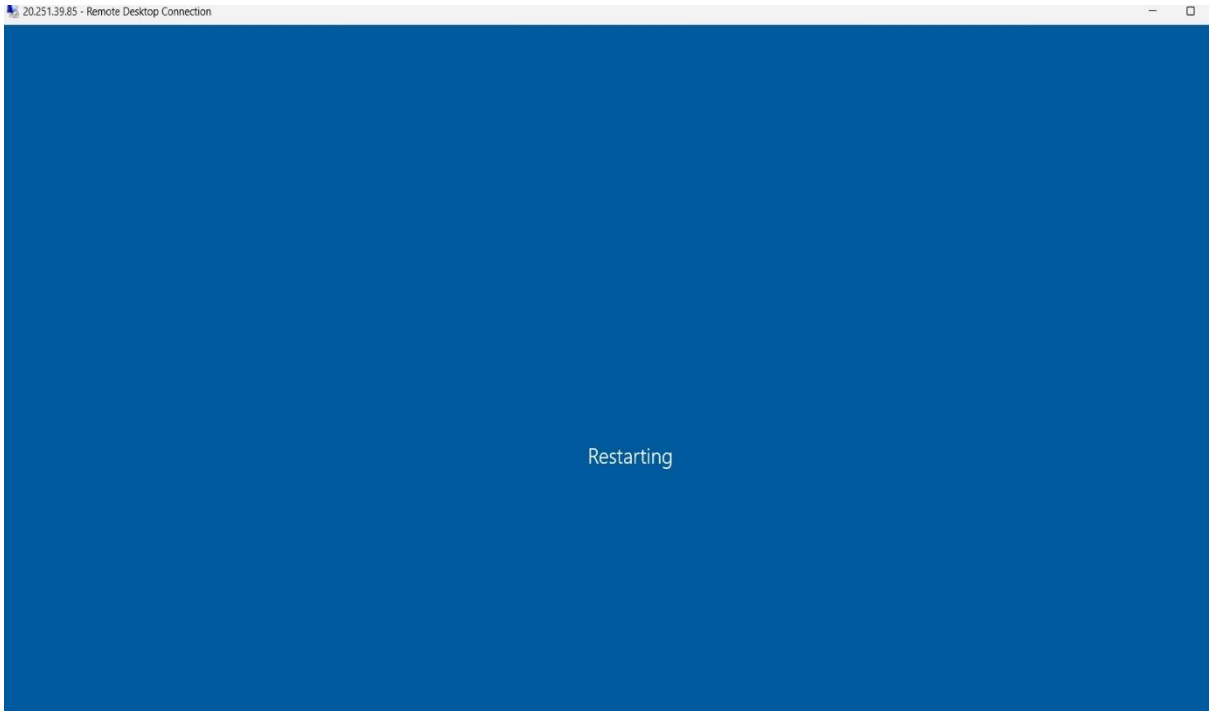


- Click to Next

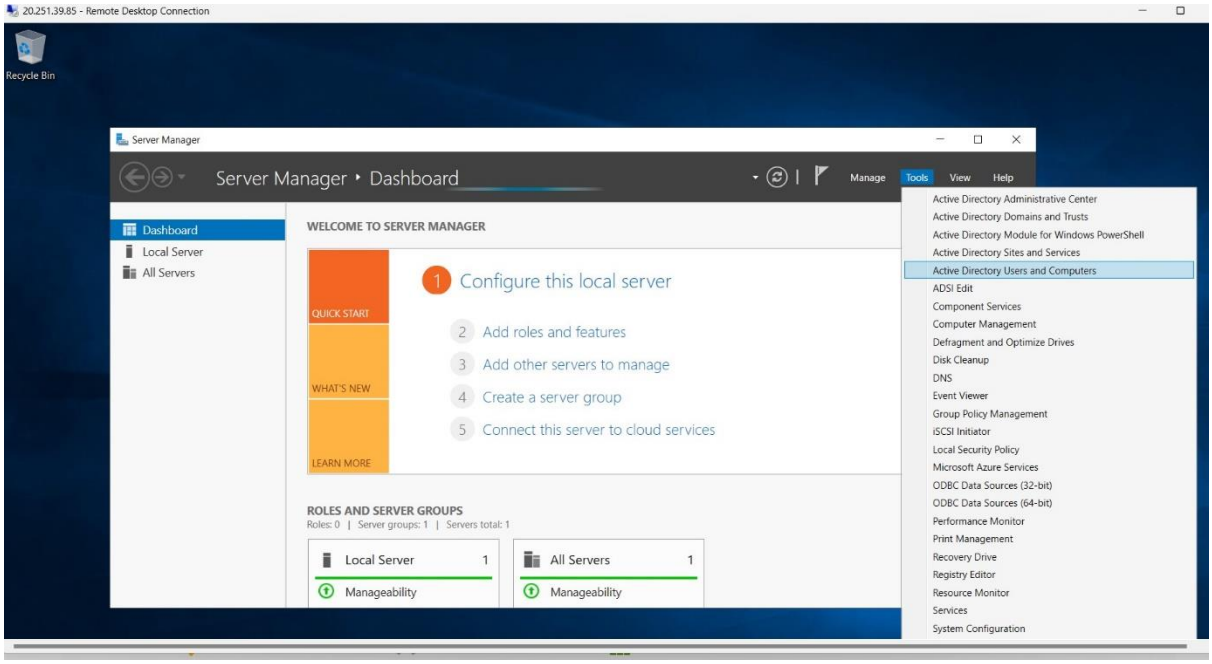


Section 3: Implement Azure Virtual Desktop Host pool

- After installation, it will Automatically Restart the VM

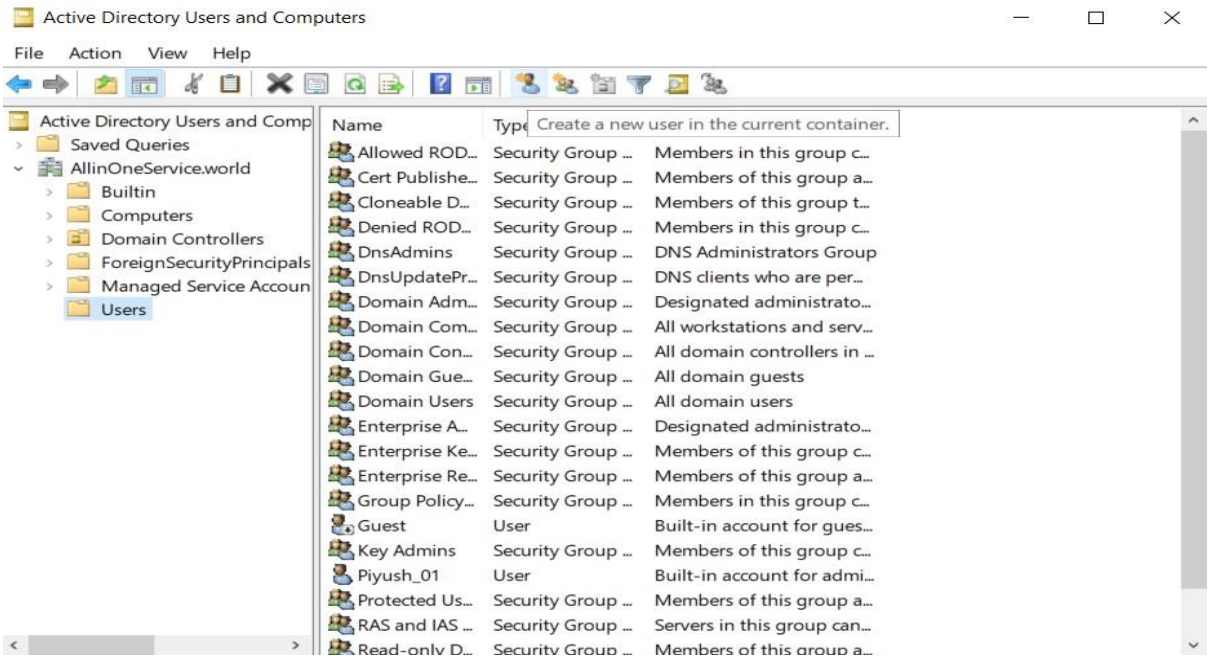


- After restarting Vm,
- GO to Server Manager → click to tools→ click to Active directory users and computers

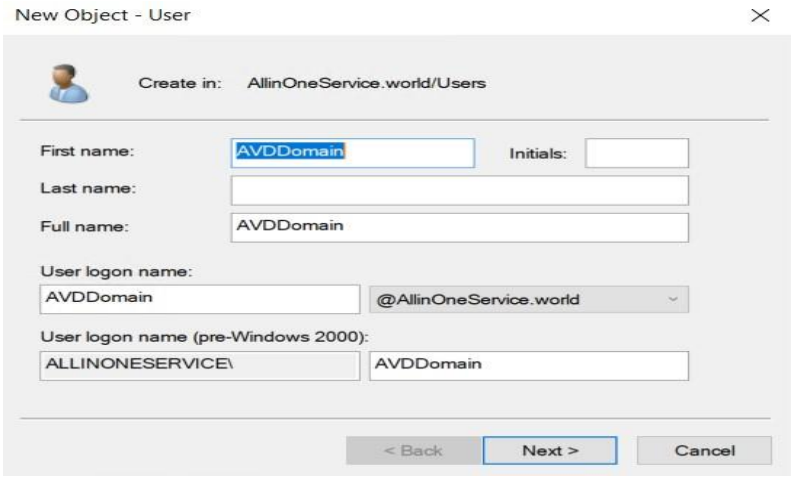


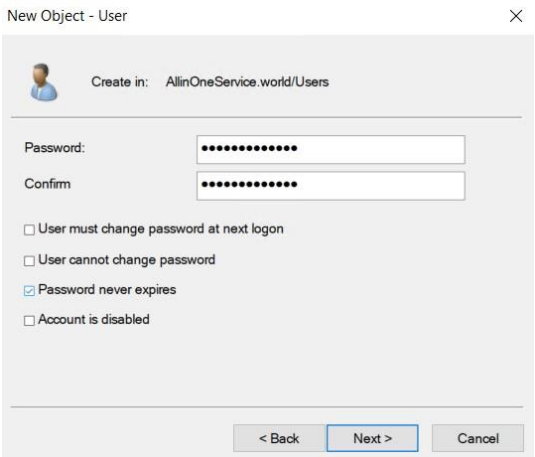
- Click to Users
- Then Create a new user

Section 3: Implement Azure Virtual Desktop Host pool



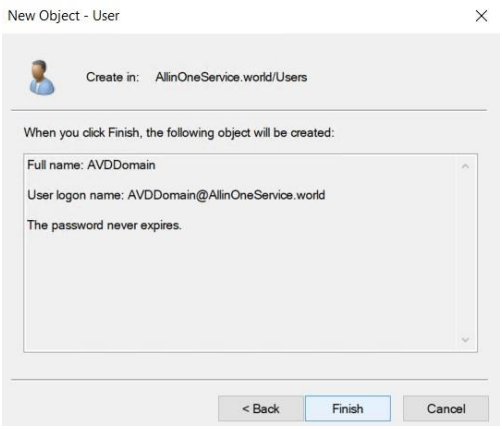
- Create User AVDDomain, we will create this user as a admin
- Click next



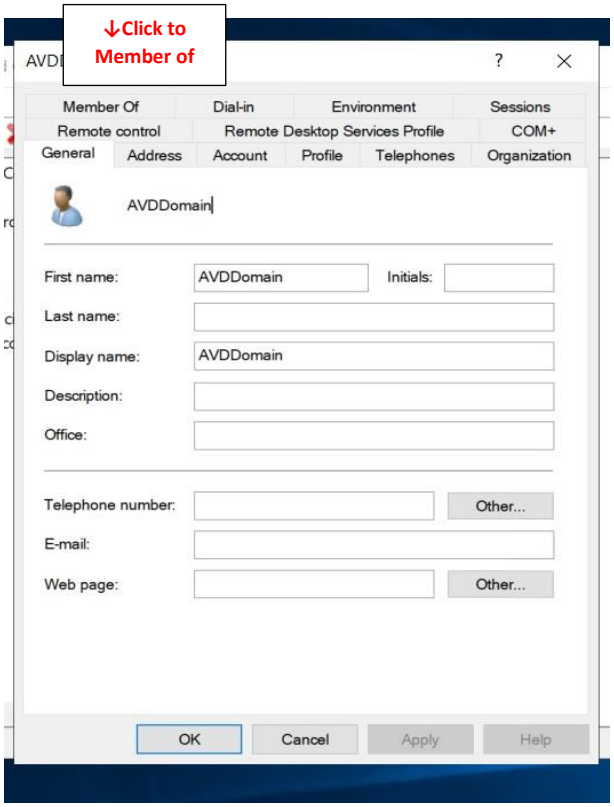


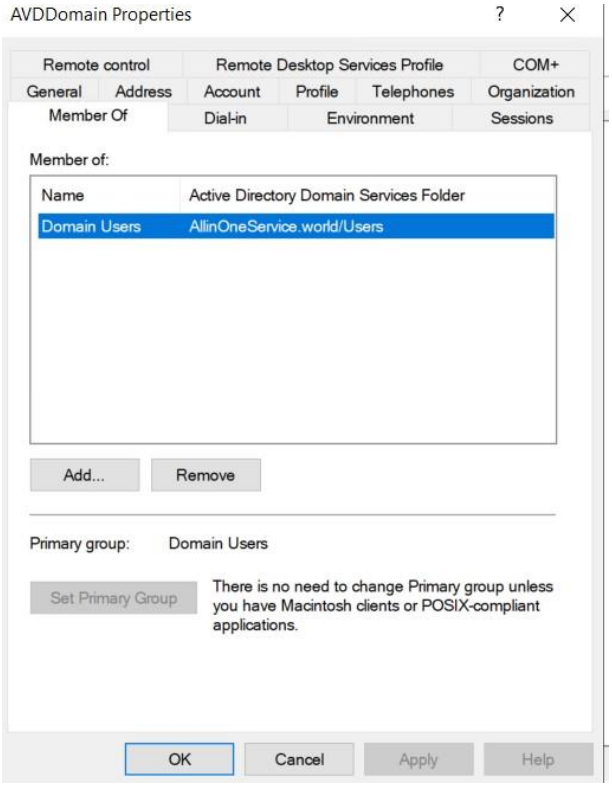
Section 3: Implement Azure Virtual Desktop Host pool

- Enter Password which we Created for Root Domain
- User is Created



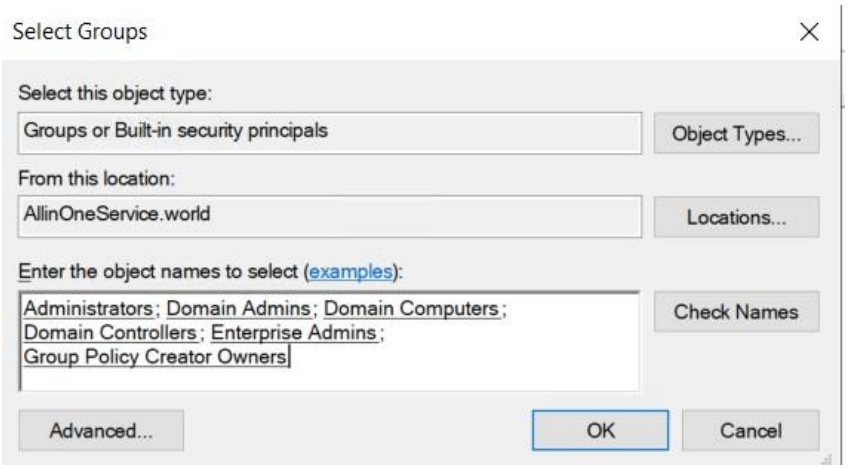
- After Create AVDDomain, we need to assign Admin
- So, click to AVDDomin, Select Member of
- Click to ADD
- Click to Member of
- Click to Add



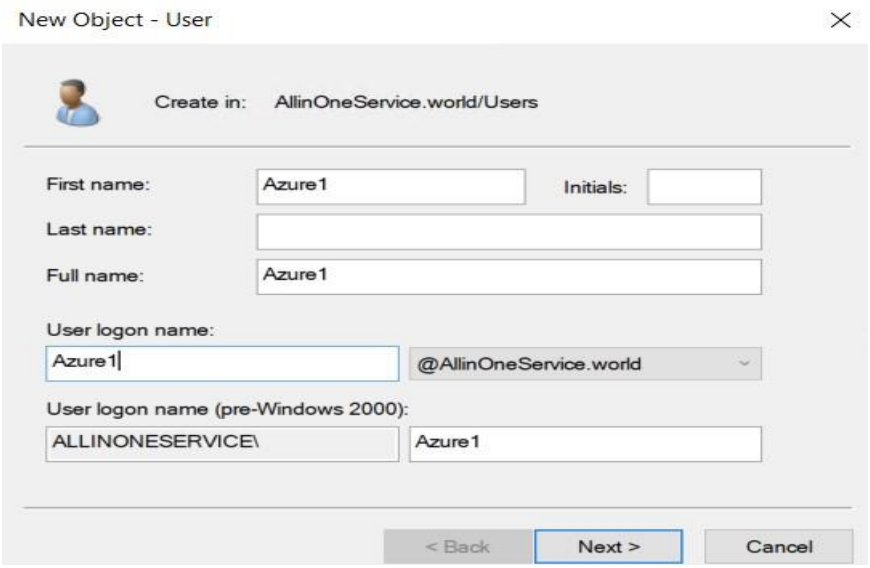


- Assign all this Rules

Section 3: Implement Azure Virtual Desktop Host pool



- Same Create two more user Azure1 and AWS



- we can see, we Created user are now Available

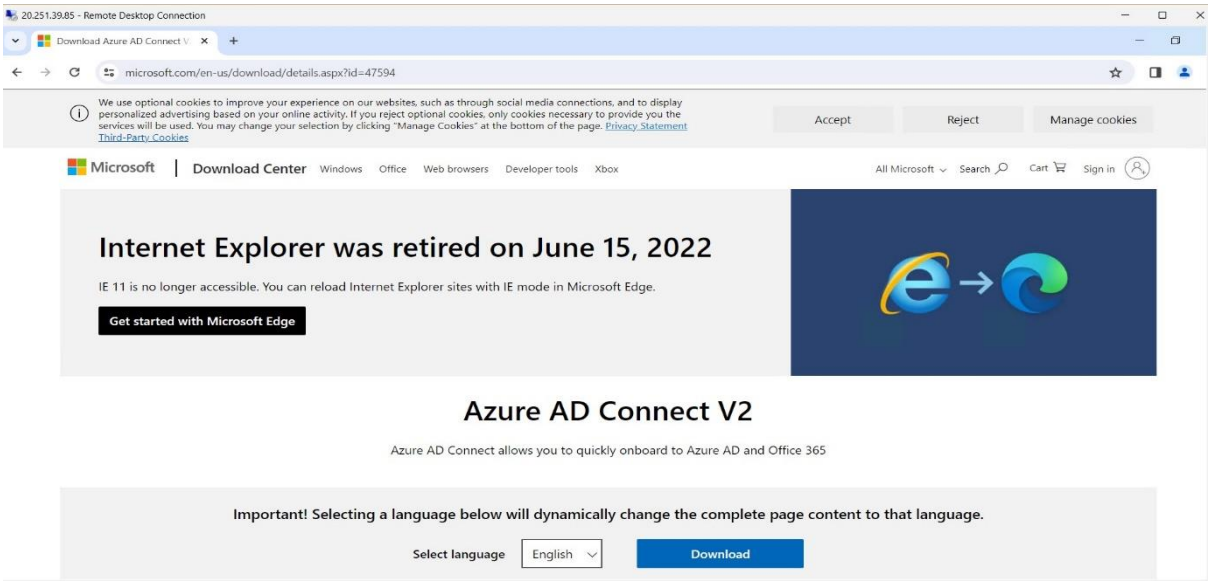
3. Install AD connect to sync users to AAD

- Now to sync user to Azure AAD
- Need to install AD Connect
- So, Go to Chrome → Search AD Connect Download

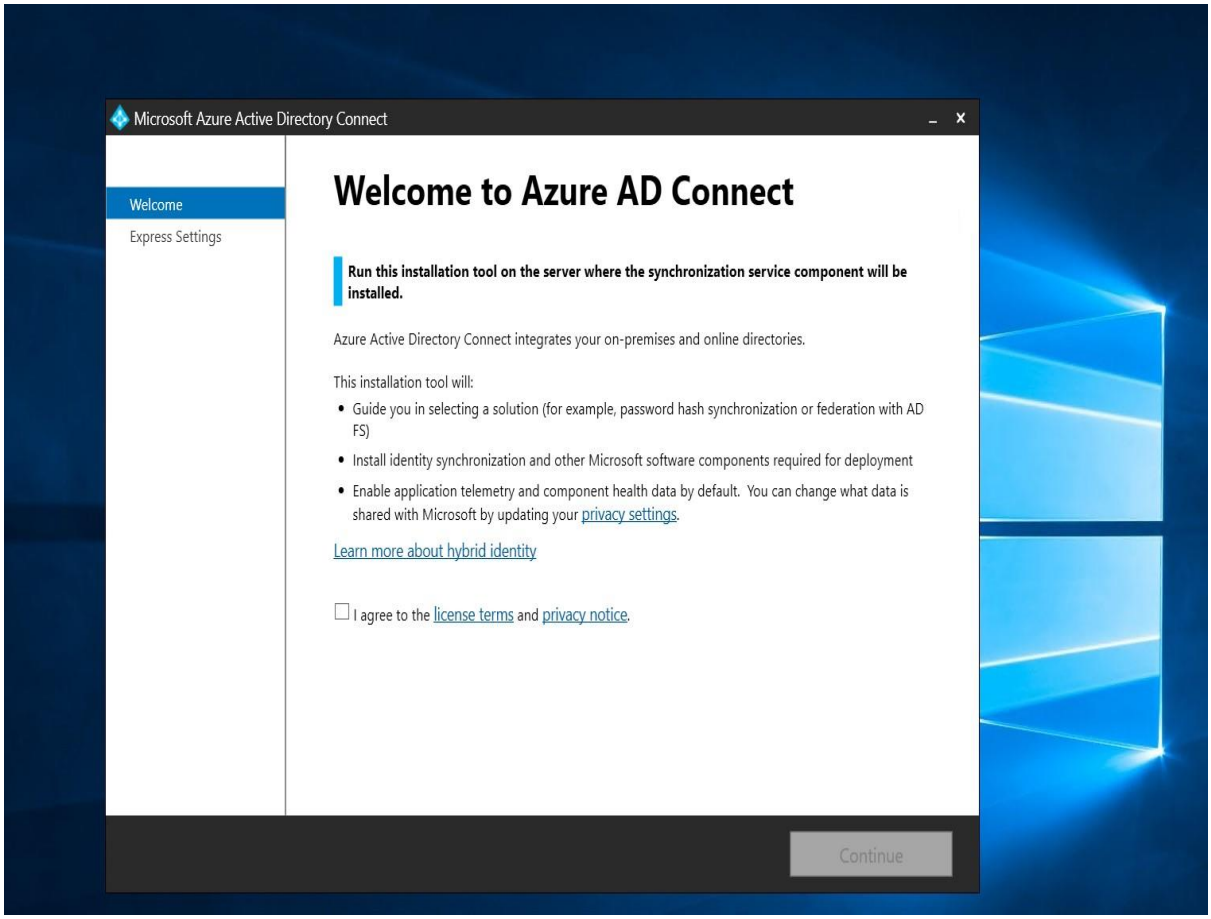
  https://www.microsoft.com/en-us/download/details.aspx?id=47594

Section 3: Implement Azure Virtual Desktop Host pool

- Click the first link in browser

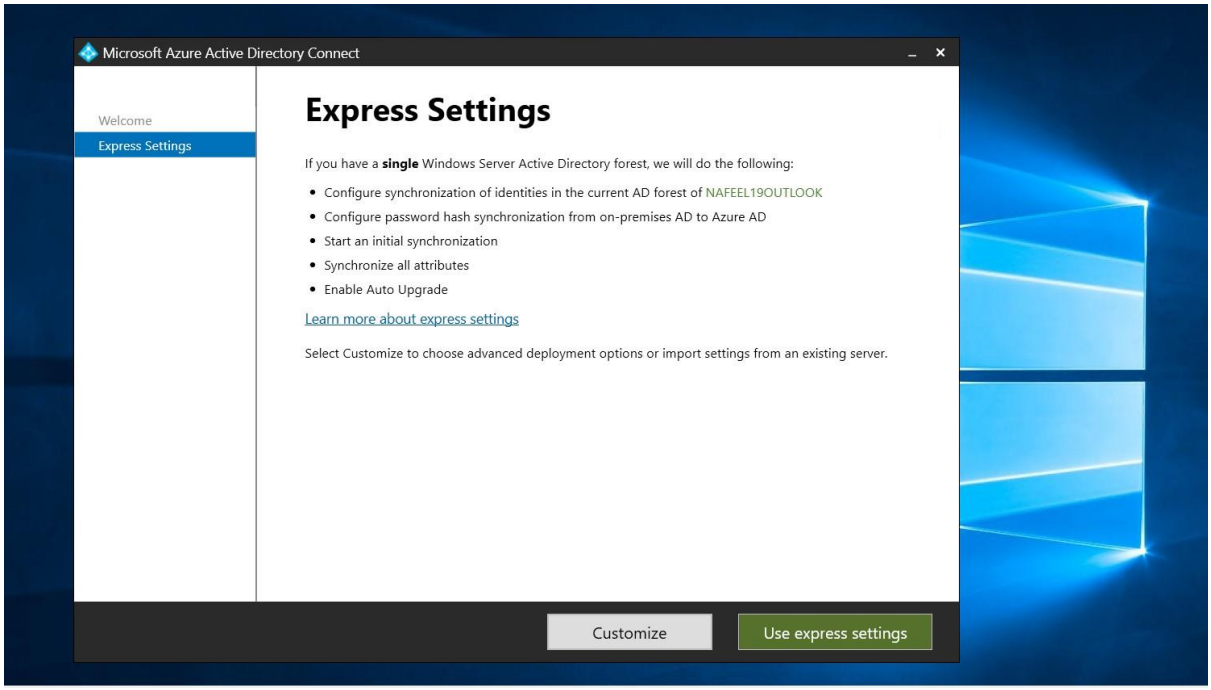


- Click to Download and Install
- Select I agree option

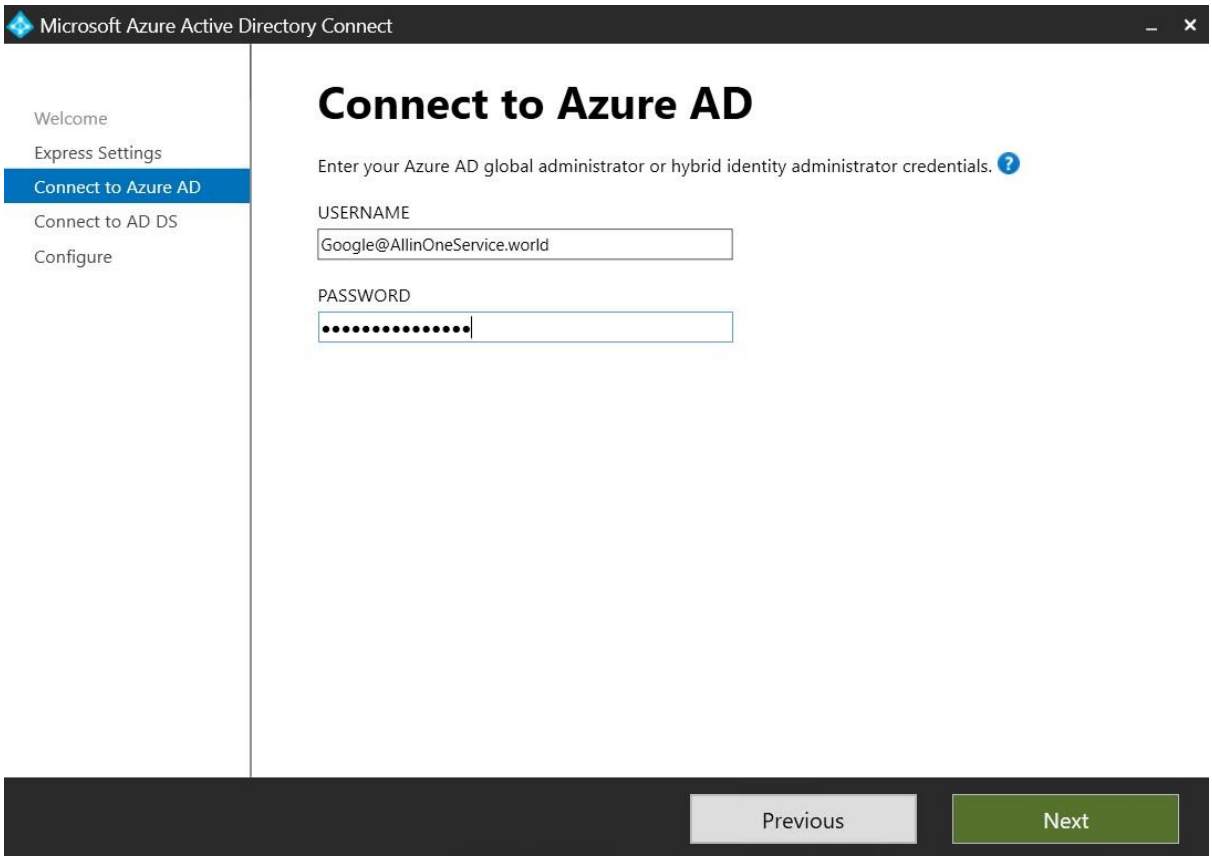


Section 3: Implement Azure Virtual Desktop Host pool

- Click to Use express setting

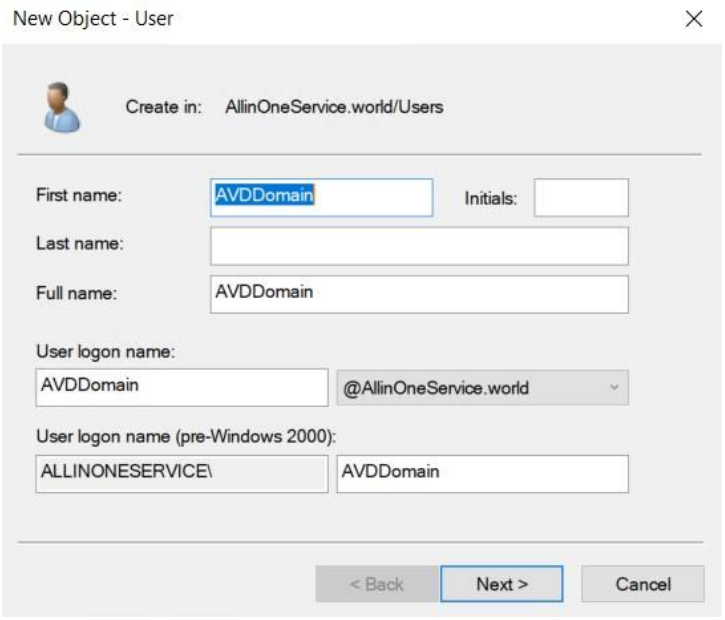


- Enter your Azure Id username and password



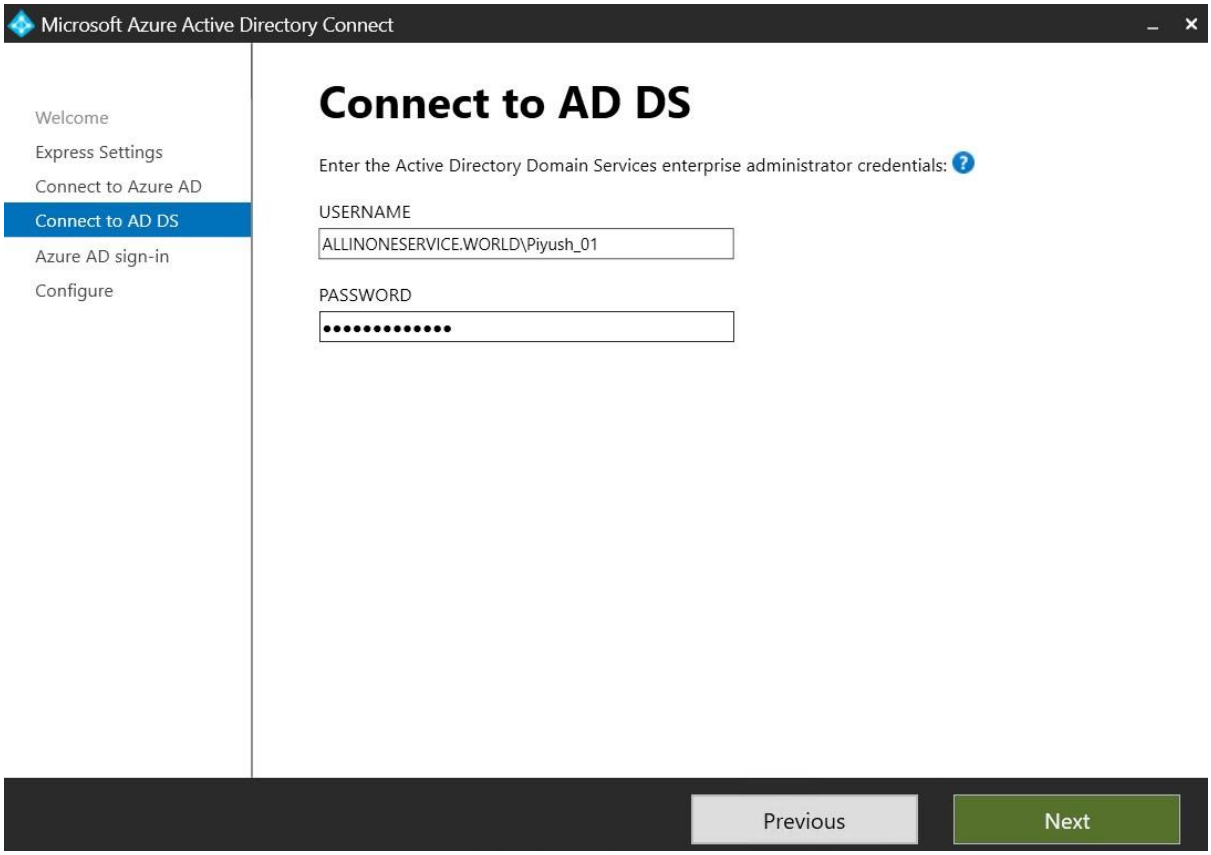
Section 3: Implement Azure Virtual Desktop Host pool

- In Connect to ADDS
- We Created Admin to user AVDDomain

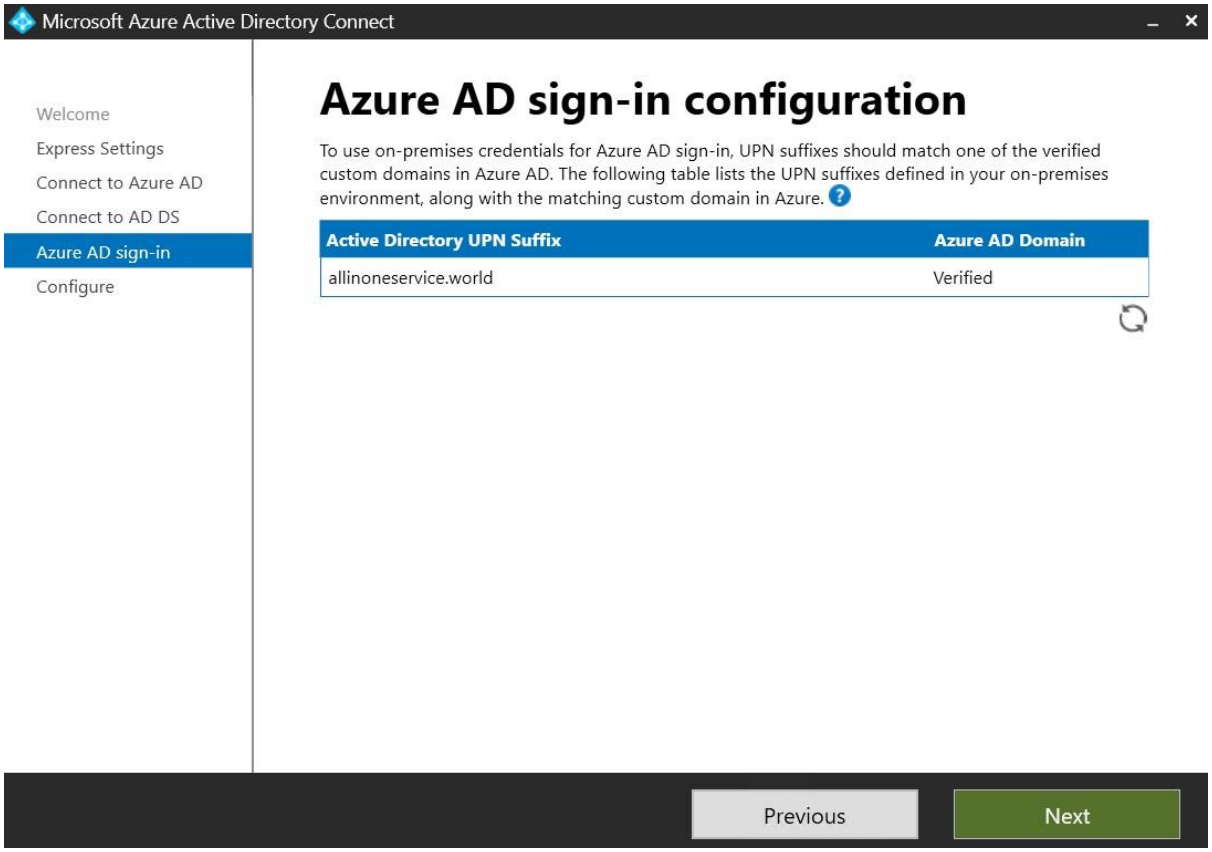


User logon name= ALLINONESERVICE\Piyush_01

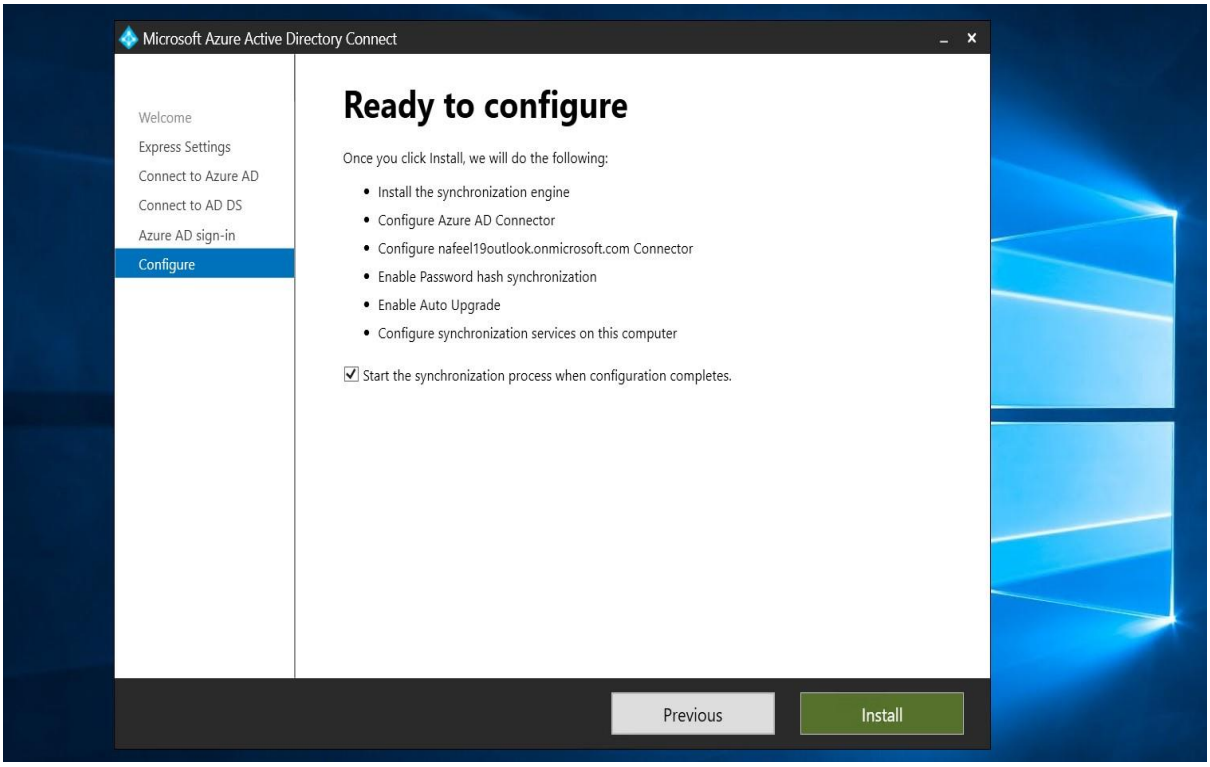
Password which we Created for Root Domain



- Click Next



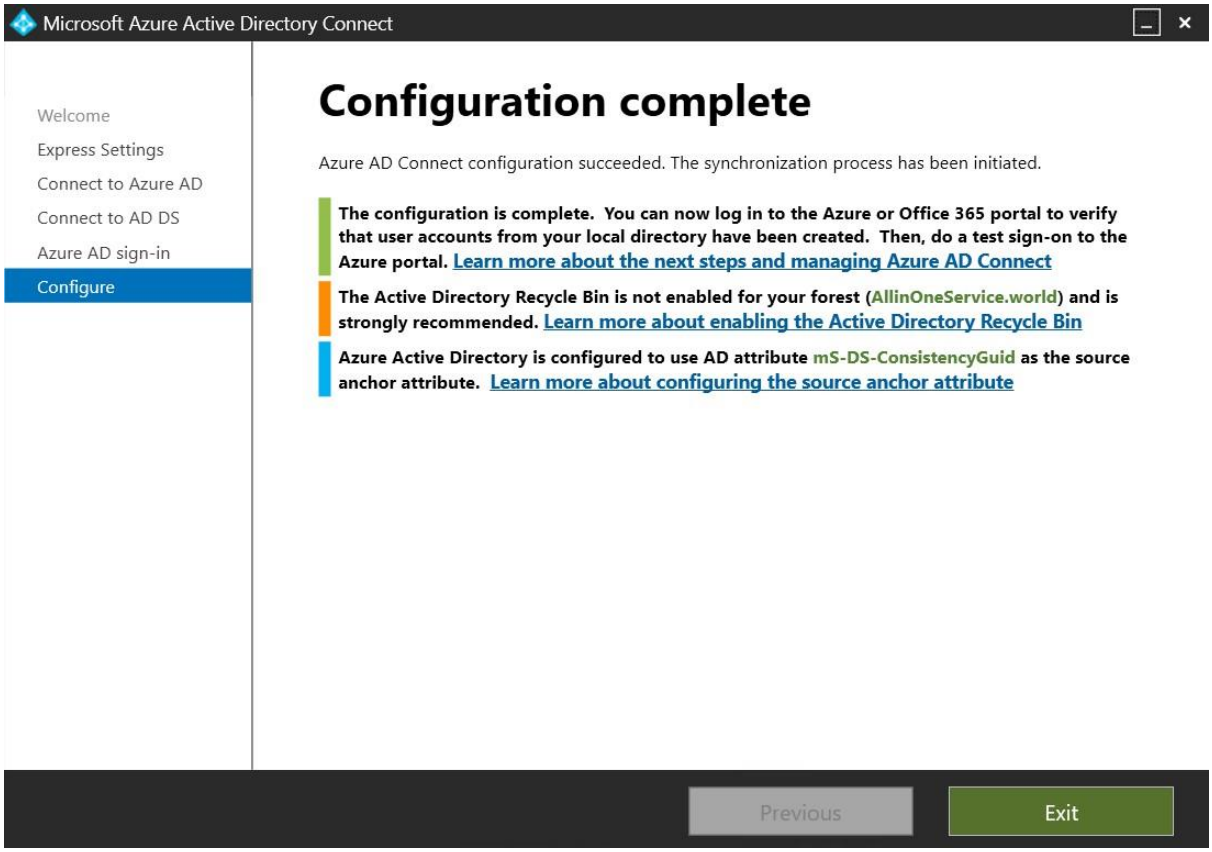
- Click to install



- After installation

Section 3: Implement Azure Virtual Desktop Host pool

- Click to Exit



- Go to Azure Portal → Search Entra ID → Click to Users
- Now we can see All user we Created in AD Server Manager are sync to Azure portal