

## Create a virtual machine

Microsoft Azure ≡ Search resources, services, and docs (G+)

Home > Virtual machines > Create a virtual machine ⋮

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ Manohar Subscription

Resource group \* ⓘ Demo-RG Create new

**Instance details**

Virtual machine name \* ⓘ DC01

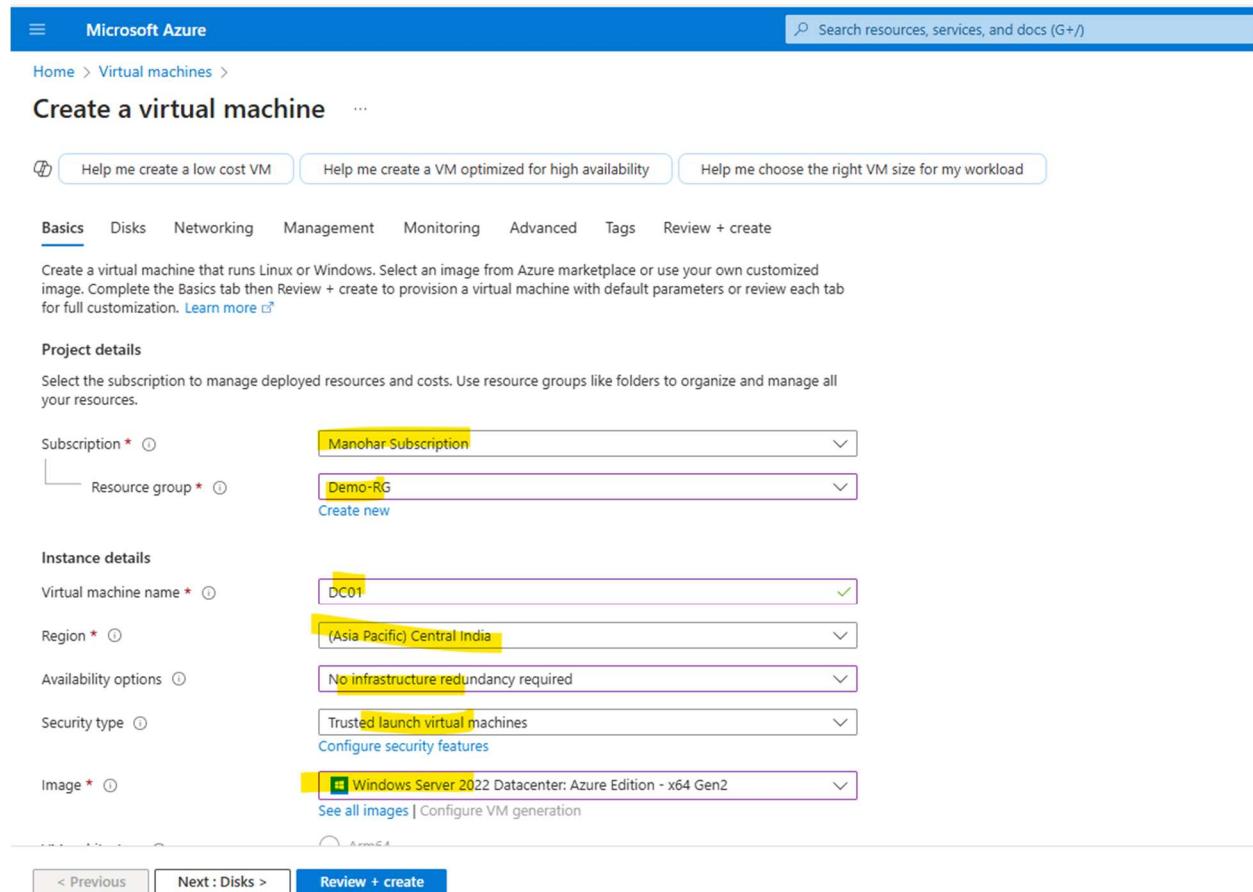
Region \* ⓘ (Asia Pacific) Central India

Availability options ⓘ No infrastructure redundancy required

Security type ⓘ Trusted launch virtual machines Configure security features

Image \* ⓘ Windows Server 2022 Datacenter: Azure Edition - x64 Gen2 See all images | Configure VM generation

< Previous Next : Disks > Review + create



Home &gt; Virtual machines &gt;

## Create a virtual machine

[Help me create a low cost VM](#)[Help me create a VM optimized for high availability](#)[Help me choose the right VM size for my workload](#)[See all sizes](#)Enable Hibernation (?)

i Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. [Learn more](#) (?)

### Administrator account

Username \* (?)manohar ✓Password \*\*\*\*\*\* ✓Confirm password \*\*\*\*\*\* ✓

### Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports \* (?) None Allow selected portsSelect inbound ports \*RDP (3389) ▼

⚠ This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

[< Previous](#)[Next : Disks >](#)[Review + create](#)**Review+create**

The screenshot shows the Microsoft Azure 'Create a virtual machine' wizard. At the top, there's a green success message: 'Validation passed'. Below it are three help links: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my work'. The navigation bar includes 'Home > Virtual machines > Create a virtual machine'. The main tabs are 'Review + create' (underlined) and 'Basics', 'Disks', 'Networking', 'Management', 'Monitoring', 'Advanced', and 'Tags'. A sidebar on the left lists 'Price' and 'TERMS'.

Price

1 X Standard B2ms

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

**8.1198 INR/hr**

[Pricing for other VM sizes](#)

#### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

**⚠ You have set RDP port(s) open to the internet.** This is only recommended for testing. If you want to change this setting, go back to Basics tab.

#### Basics

Subscription

Manohar Subscription

< Previous

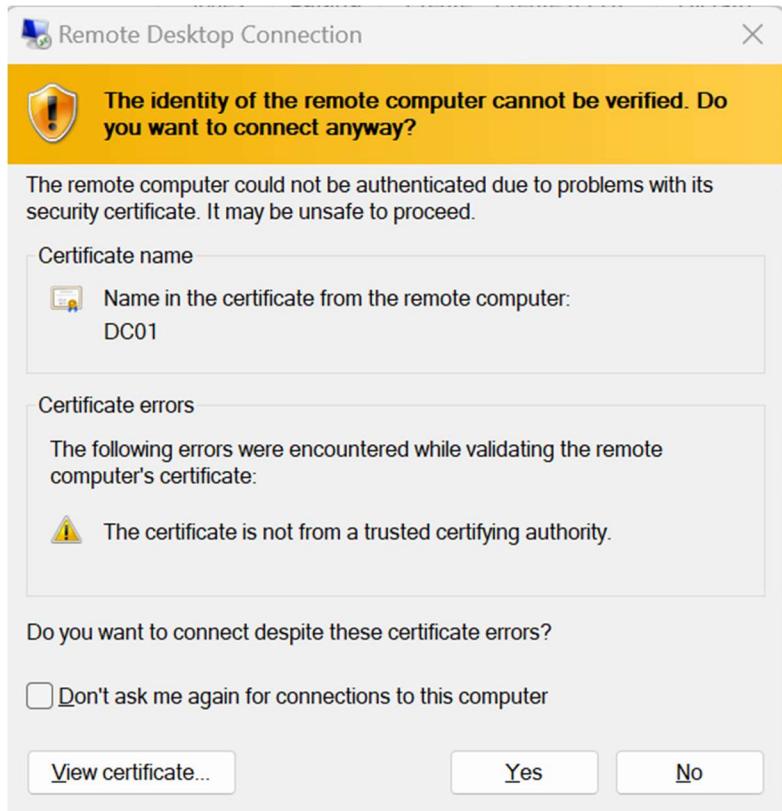
Next >

**Create**

The screenshot shows the Microsoft Azure 'Deployment Overview' page for a completed deployment named 'CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250127185629'. The status is 'Deployment succeeded'. The deployment was created on 1/27/2025 at 6:57:51 PM. It was deployed to the 'Manohar Subscription' under the 'Demo-RG' resource group. The deployment summary indicates that the deployment is complete. There are sections for 'Deployment details' and 'Next steps', which include 'Setup auto-shutdown' (Recommended), 'Monitor VM health, performance and network dependencies' (Recommended), and 'Run a script inside the virtual machine' (Recommended). Buttons for 'Go to resource' and 'Create another VM' are present. On the right side, there are promotional cards for 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

Connect to the VM

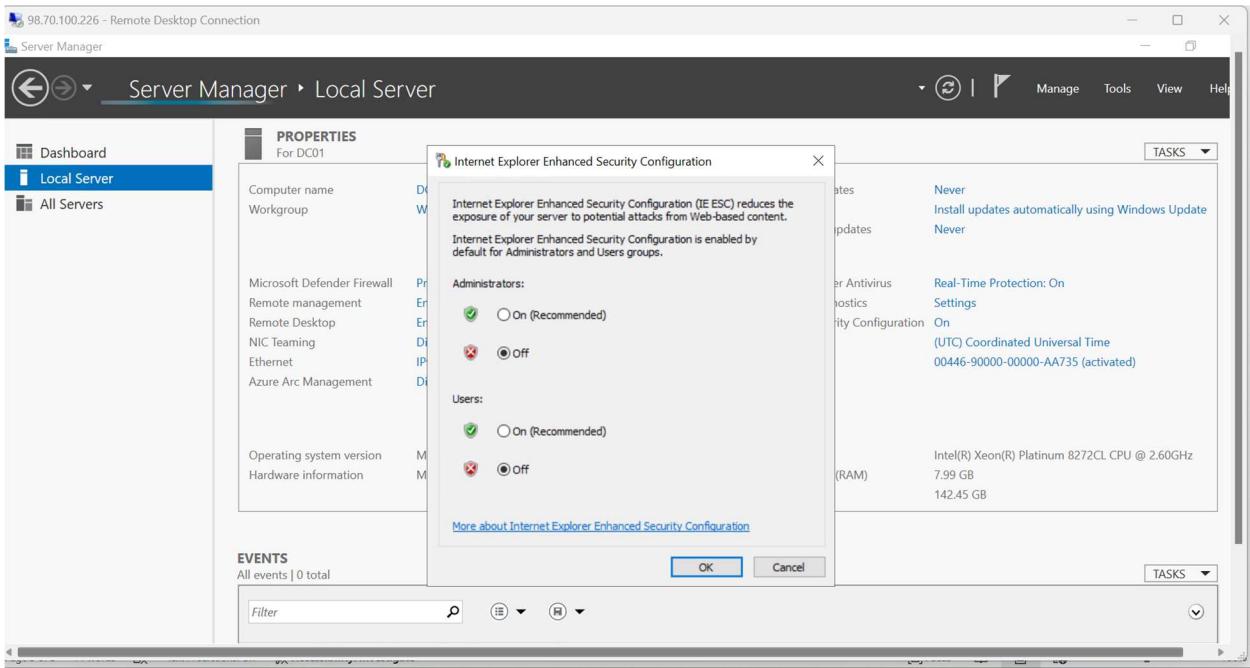
The screenshot shows the Microsoft Azure portal interface for a virtual machine named 'DC01'. The 'Overview' tab is selected. A prominent yellow warning message at the top states: 'DC01 virtual machine agent status is not ready. Troubleshoot this issue →'. Below this, there's a 'Run' dialog box open, prompting the user to type a command. The 'Open:' field contains 'mstsc /v:98.70.100.226'. To the right of the run dialog, the 'Essentials' section provides details about the VM, including its resource group ('Demo-RG'), status ('Running'), location ('Central India'), and subscription ('Manohar Subscription'). It also lists the VM's operating system ('Windows'), size ('Standard'), public IP address ('98.70.100.226'), virtual network/subnet ('DC01-vnet/default'), DNS name ('Not configured'), health state ('-'), and creation time ('1/27/2025, 1:27 PM UTC'). On the far right, there's a 'Networking' panel showing the public IP address ('98.70.100.226'), private IP address ('10.0.0.4'), virtual network/subnet ('DC01-vnet/default'), and DNS name ('Configure').



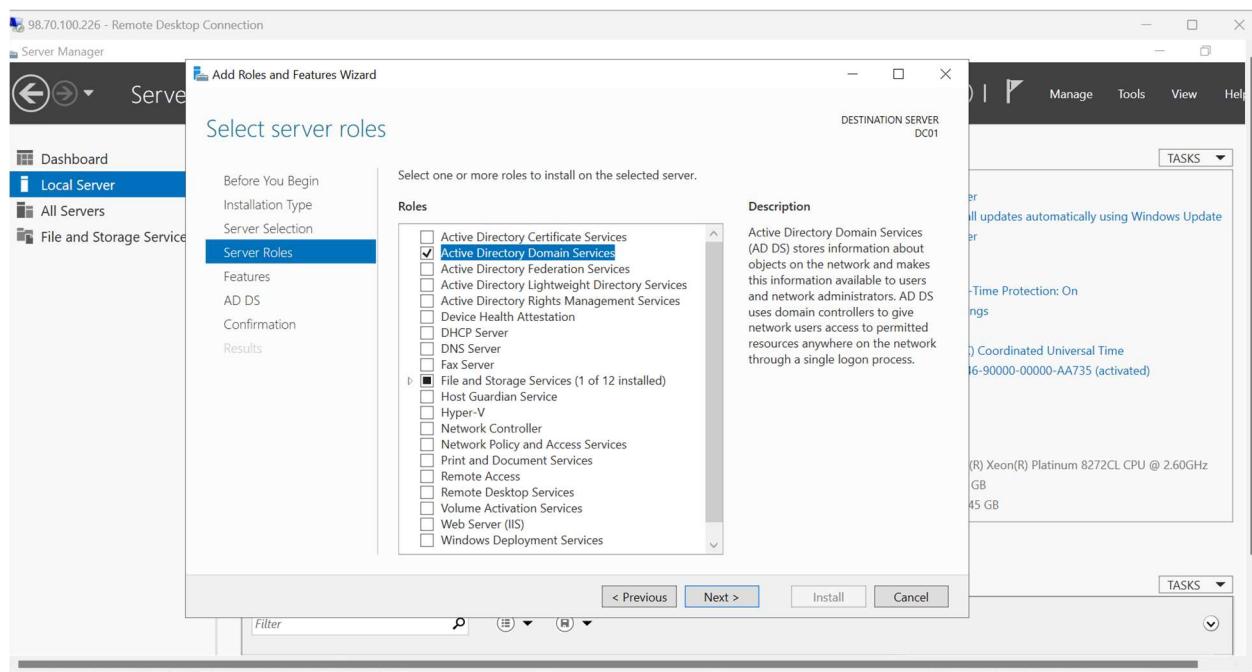
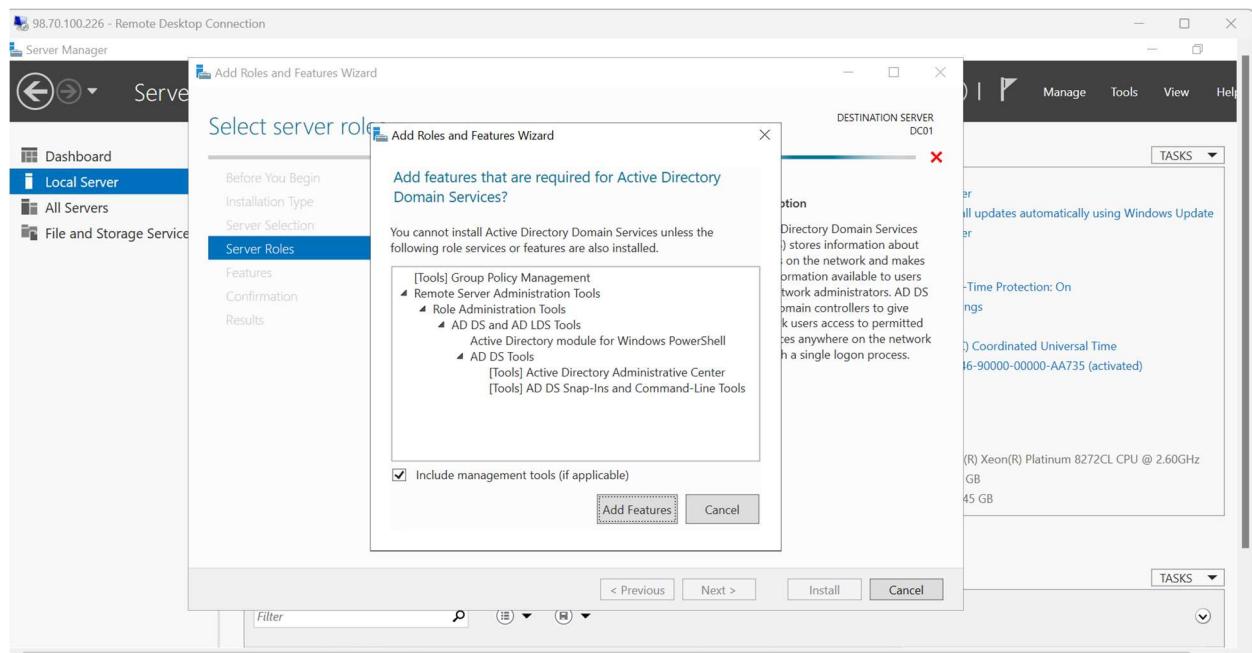
Successfully connected to the VM

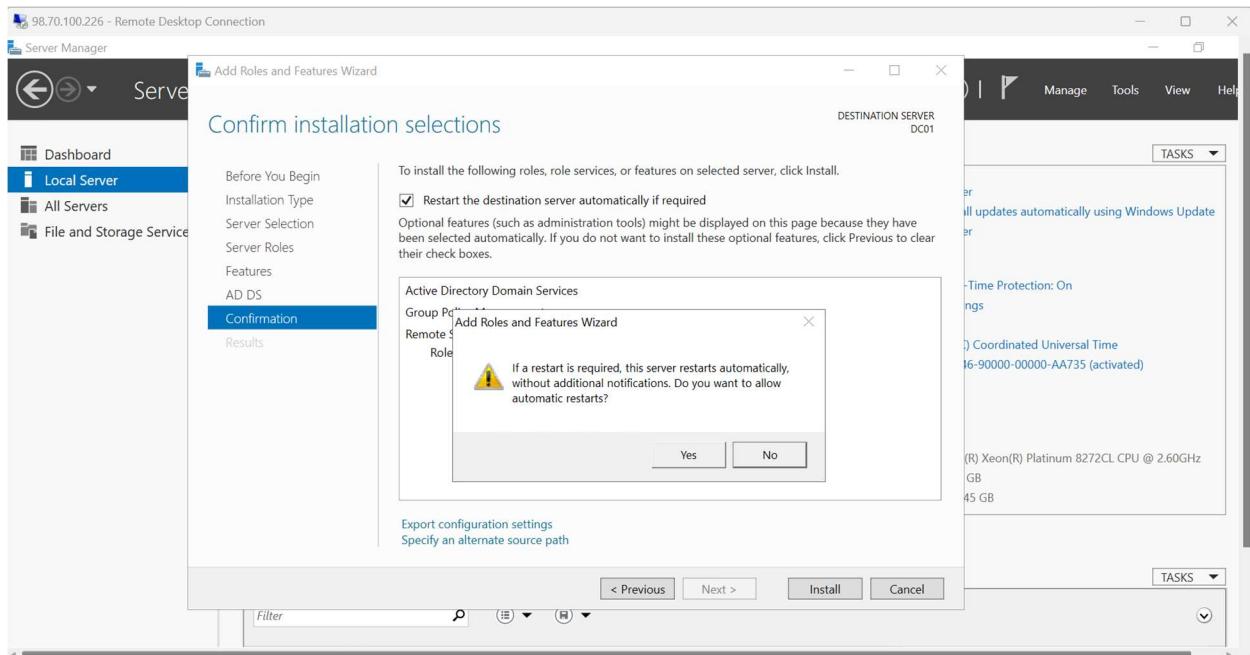
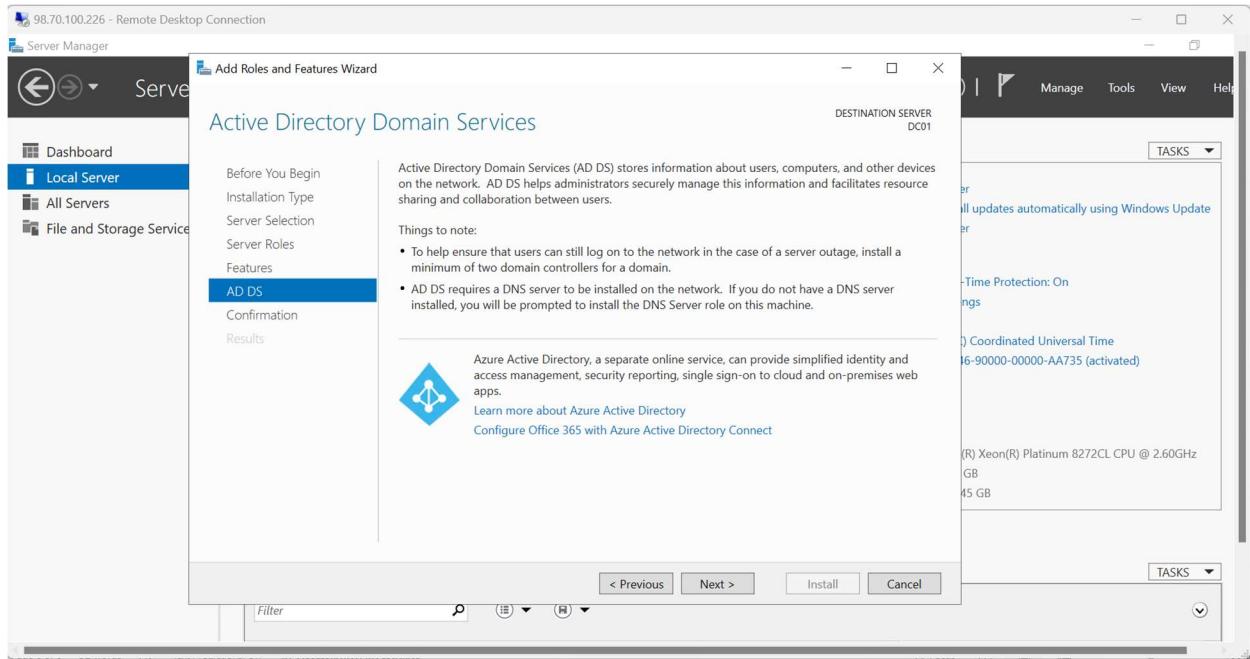


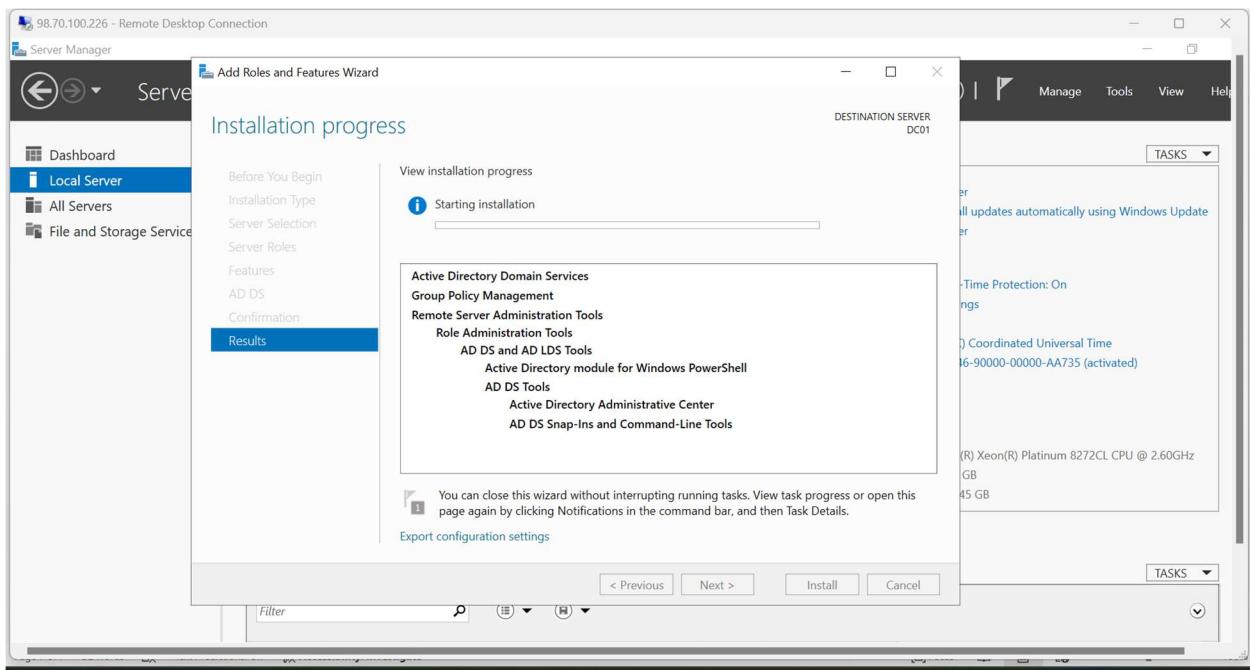
## Disable Internet Explorer Enhanced Security Configuration.



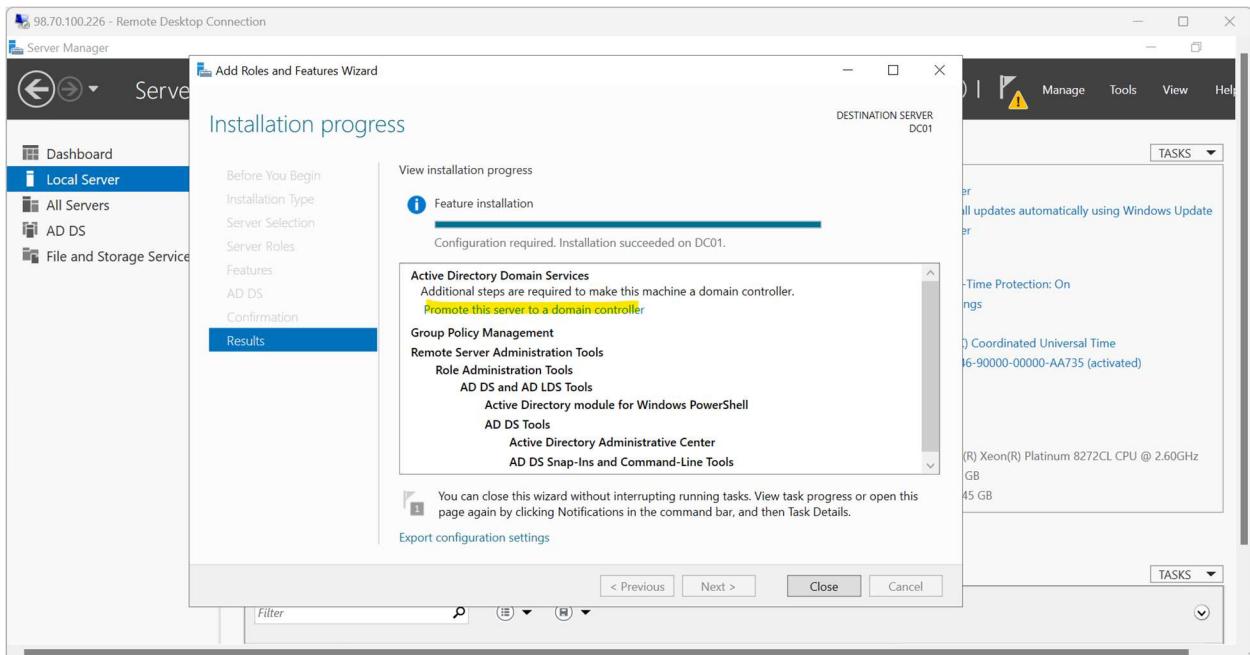
Click on Add Roles & Features and installed active directory domain services



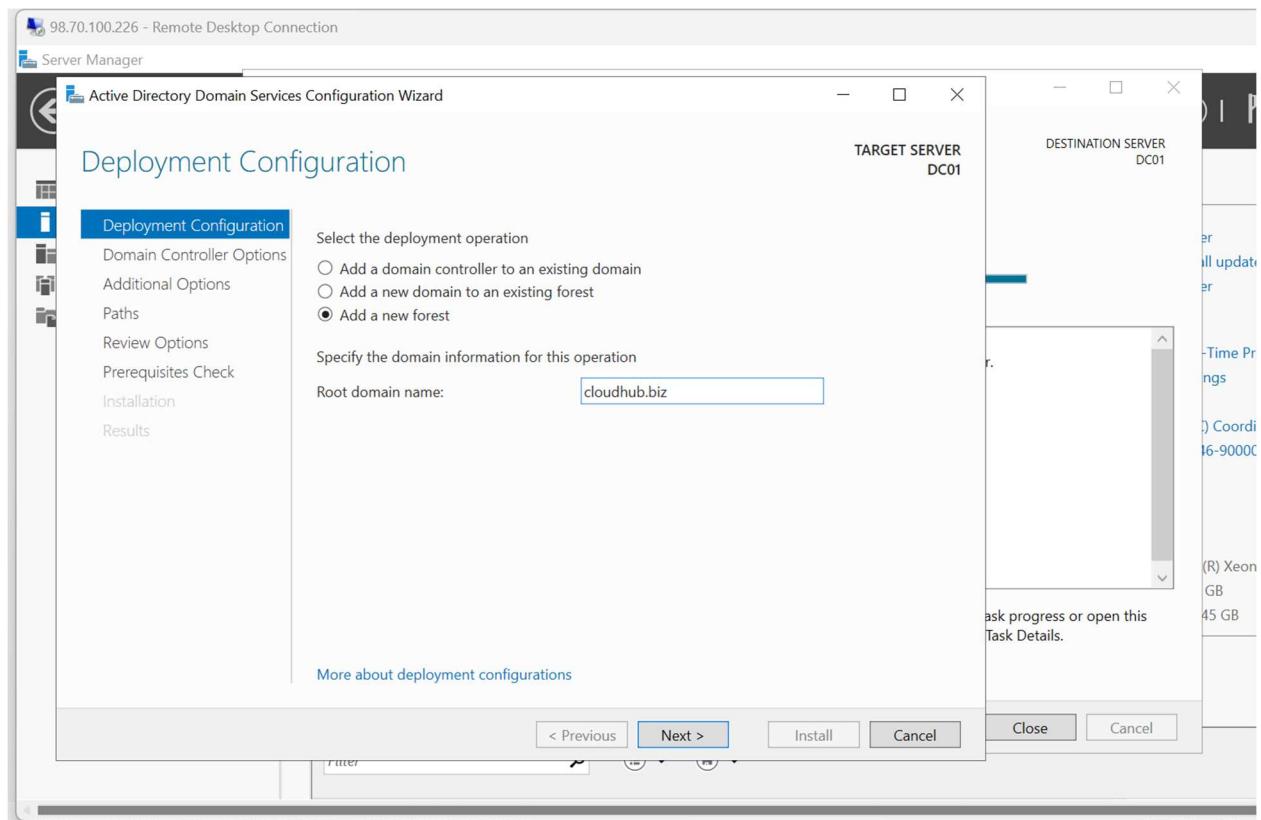




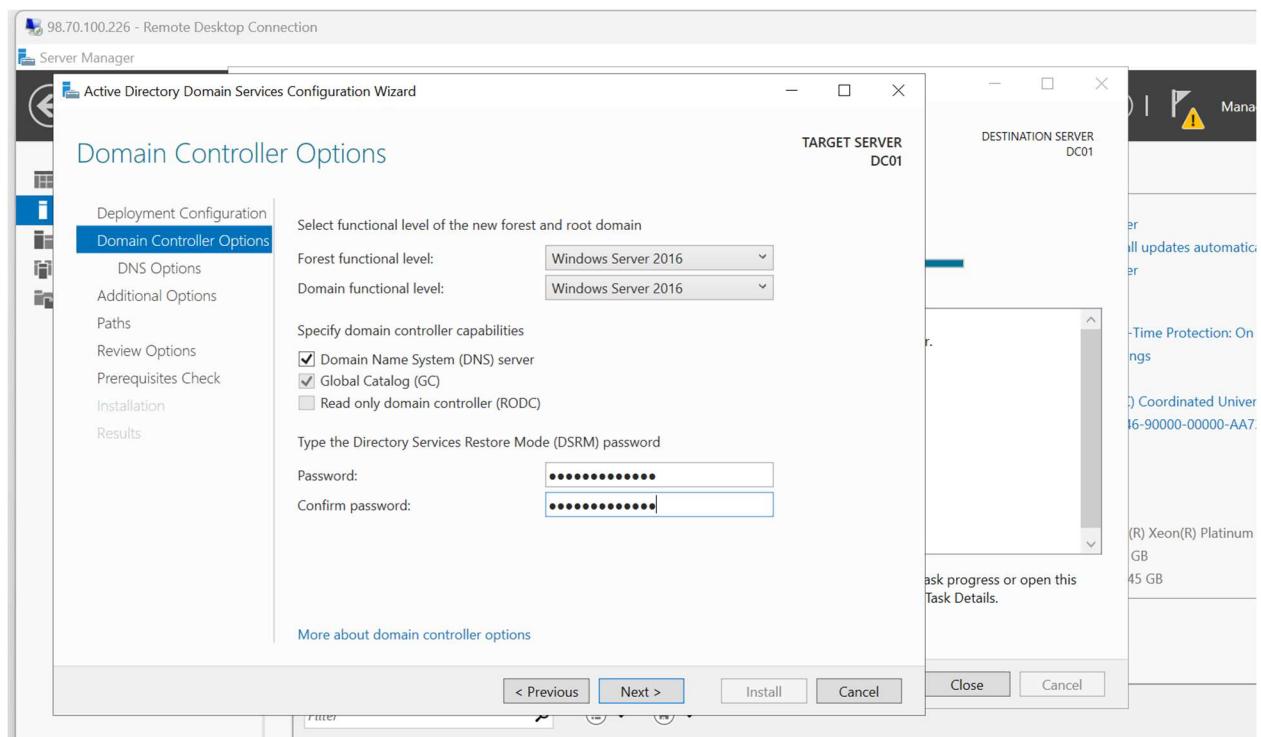
## Promote the server to the domain controller

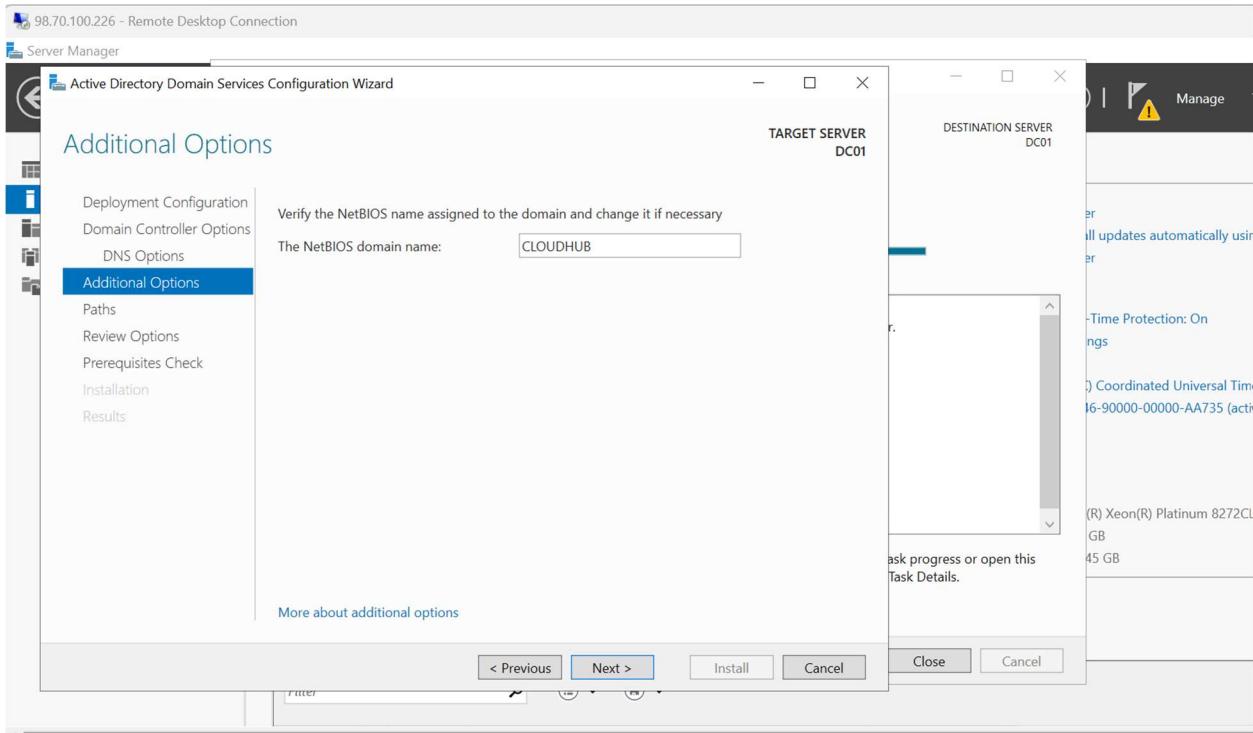
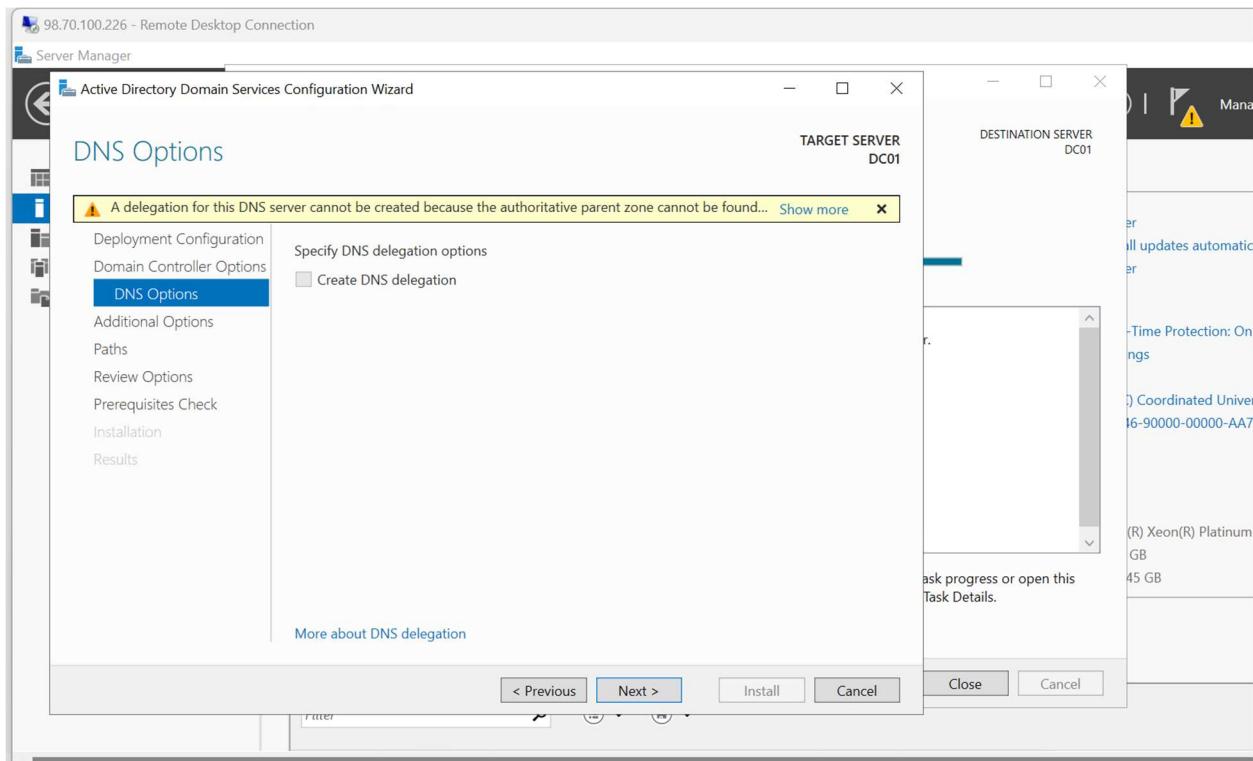


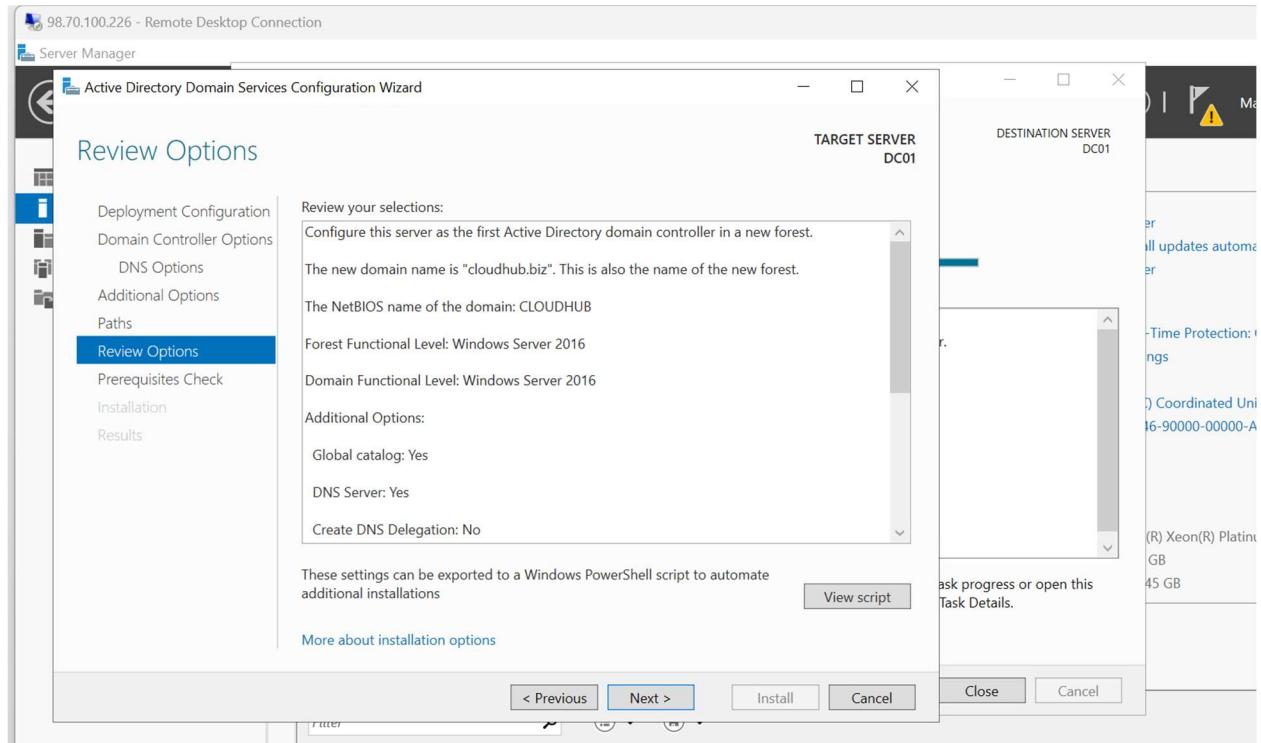
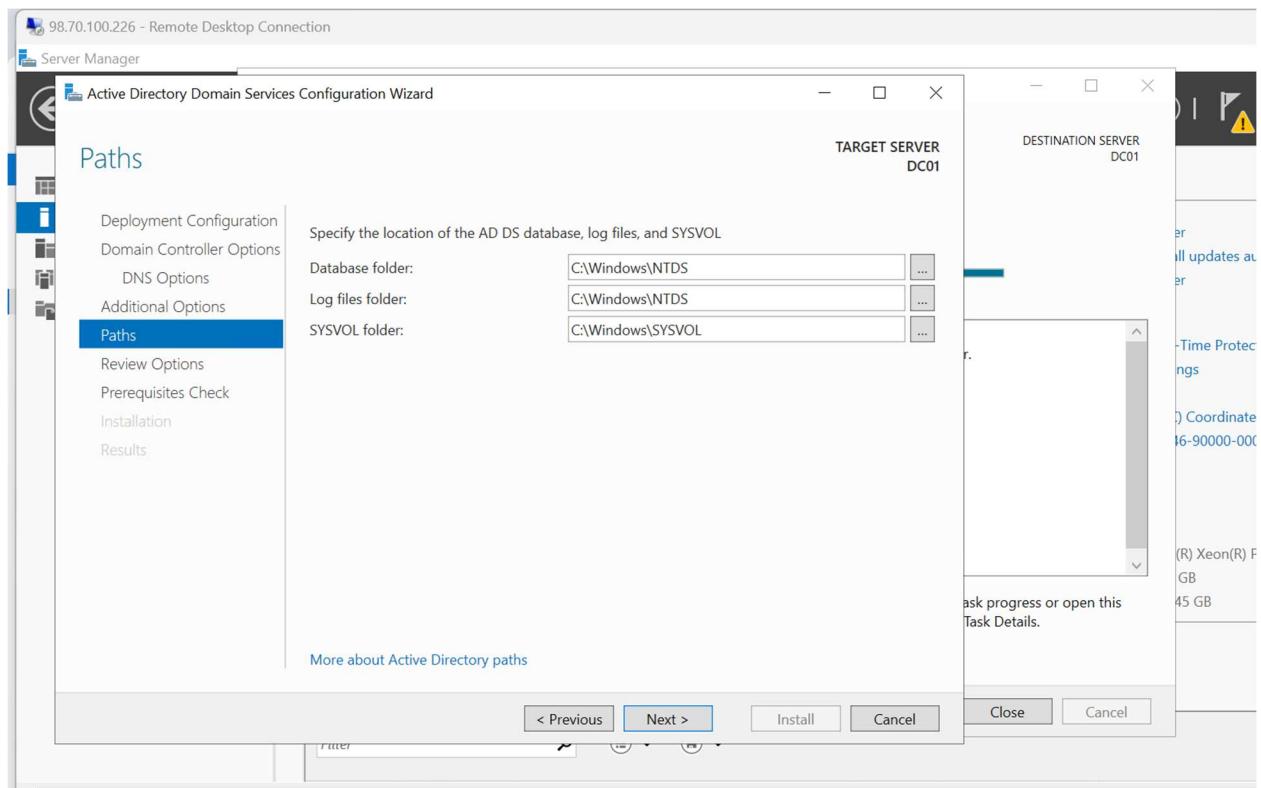
## Add a new forest



Type the directory services restore mode (DSRM) password







The screenshot shows two windows from the Active Directory Domain Services Configuration Wizard on a Windows Server 2022 host named DC01.

**Prerequisites Check Window:**

- Header:** Active Directory Domain Services Configuration Wizard, TARGET SERVER DC01
- Status Bar:** All prerequisite checks passed successfully. Click 'Install' to begin installation.
- Left Panel:** Deployment Configuration, Domain Controller Options, DNS Options, Additional Options, Paths, Review Options, **Prerequisites Check** (selected), Installation, Results.
- Right Panel:** A list of prerequisites:
  - Windows Server 2022 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
  - This computer has at least one physical network adapter that does not have static IP address(es) assigned to its IP Properties. If both IPv4 and IPv6 are enabled for a network adapter, both IPv4 and IPv6 static IP addresses should be assigned to both IPv4 and IPv6 Properties of the physical network adapter. Such static IP address(es) assignment should be done to all the physical network adapters for reliable Domain Name System (DNS).
  - If you click Install, the server automatically reboots at the end of the promotion operation.
- Buttons:** < Previous, Next >, Install, Cancel.

**Results Window:**

- Header:** Active Directory Domain Services Configuration Wizard, TARGET SERVER DC01
- Status Bar:** This server was successfully configured as a domain controller.
- Left Panel:** Deployment Configuration, Domain Controller Options, DNS Options, Additional Options, Paths, Review Options, Prerequisites Check, Installation, **Results** (selected).
- Right Panel:** A summary of configuration:
  - Windows Server 2022 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
  - For more information about this setting, see Knowledge Base article 942564 (<http://go.microsoft.com/fwlink/?LinkId=104751>).
- Message Box:** You're about to be signed out  
The computer is being restarted because Active Directory Domain Services was installed or removed.
- Buttons:** Close, Cancel.

Connect to the VM again

The identity of the remote computer cannot be verified. Do you want to connect anyway?

The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.

Certificate name

Name in the certificate from the remote computer:  
DC01.cloudhub.biz

Certificate errors

The following errors were encountered while validating the remote computer's certificate:

The certificate is not from a trusted certifying authority.

Do you want to connect despite these certificate errors?

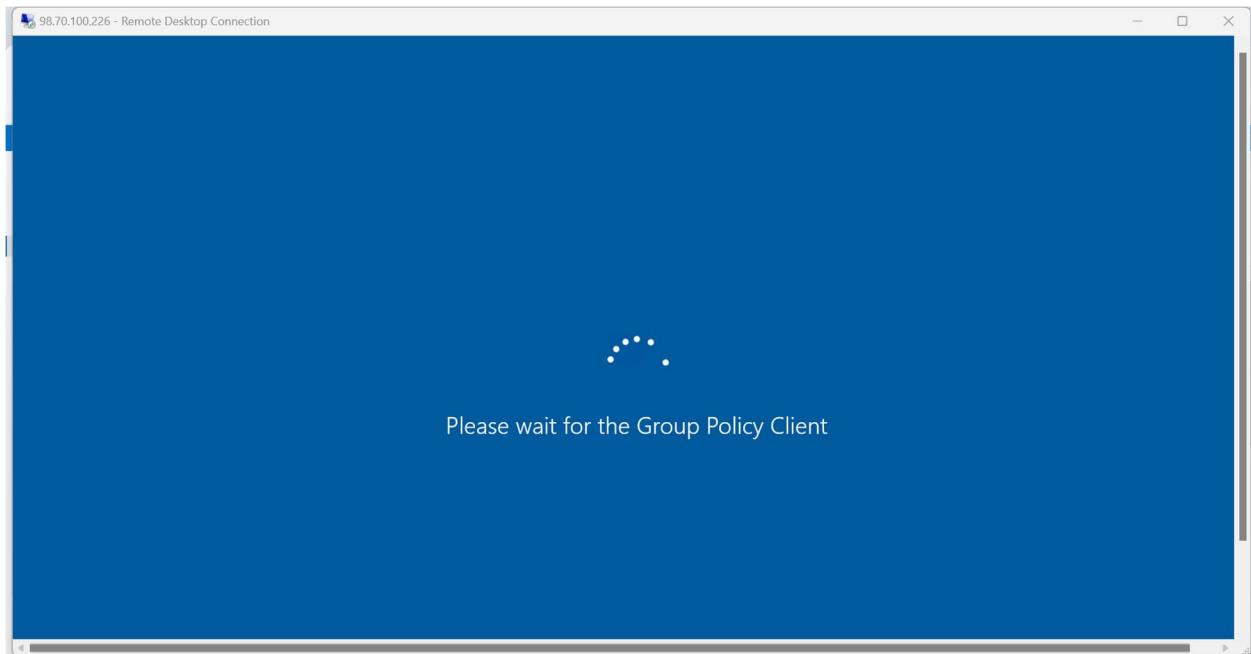
Don't ask me again for connections to this computer

**Yes**    **No**

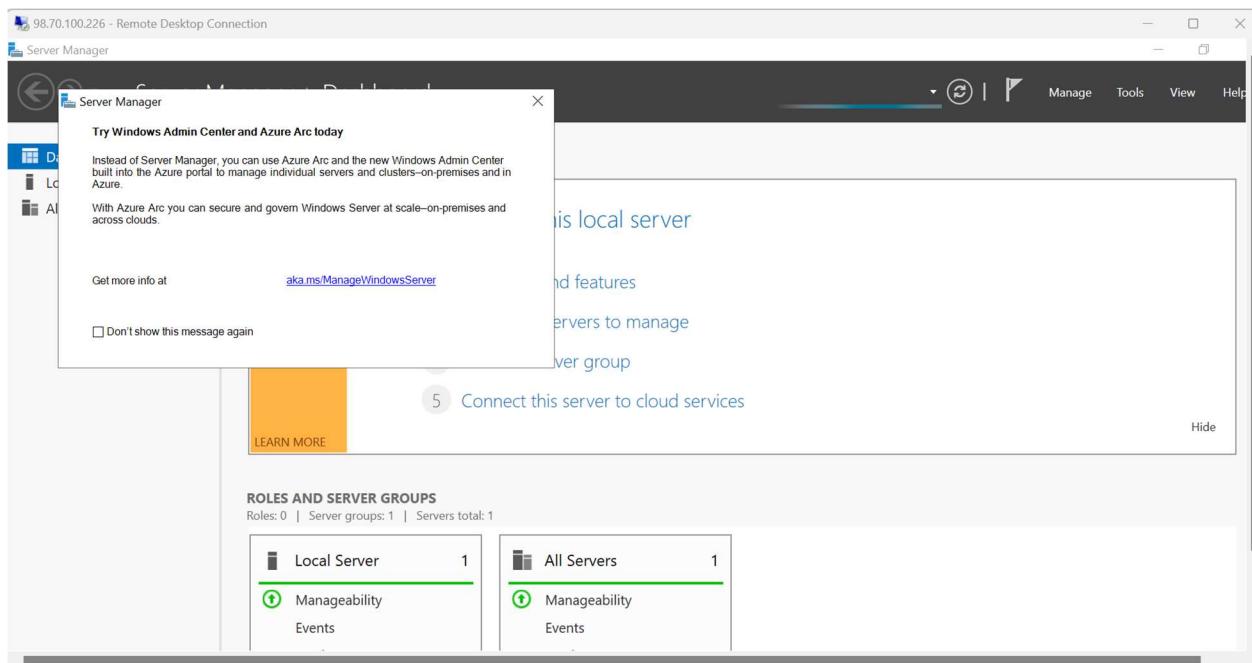
Windows (Windows Server 2022 Datacenter Azure Edition)  
Standard Copied is: 8 GiB memory  
IP: 98.70.100.226  
DC01-vnet/default  
Not configured  
1/27/2025, 1:27 PM UTC

98.70.100.226 (Network interface dc01782)

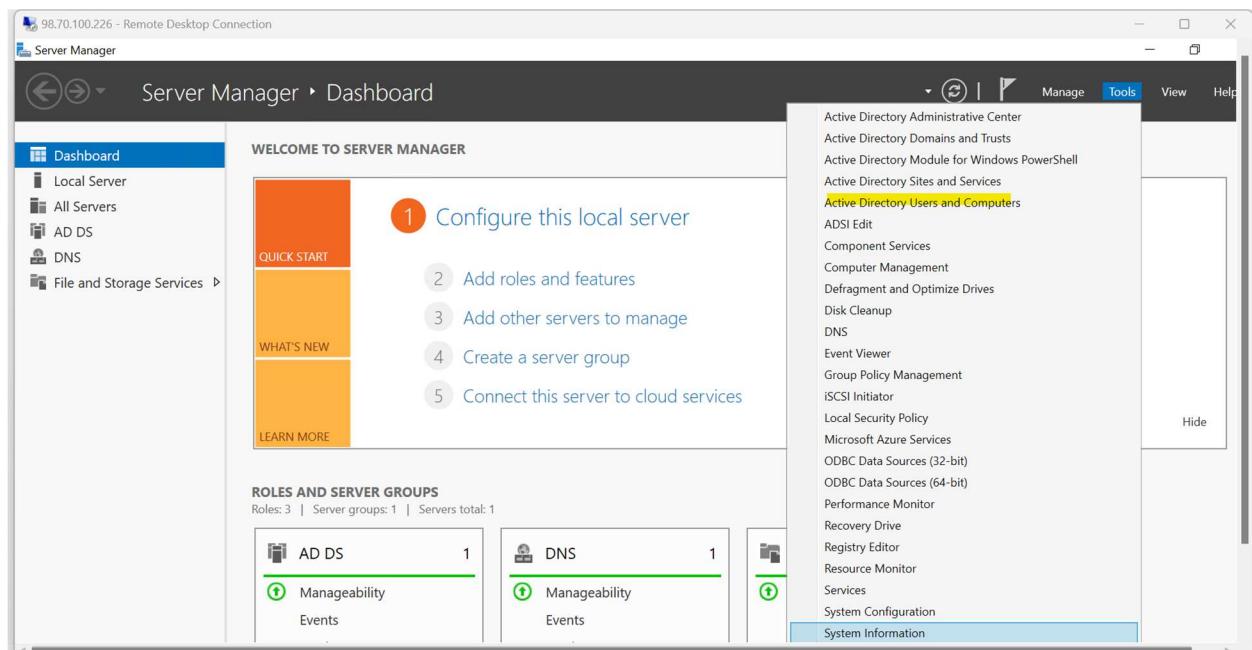
Public IP address (IPv6) -  
Private IP address 10.0.0.4  
Private IP address (IPv6) -  
Virtual network/subnet DC01-vnet/default  
DNS name Configure

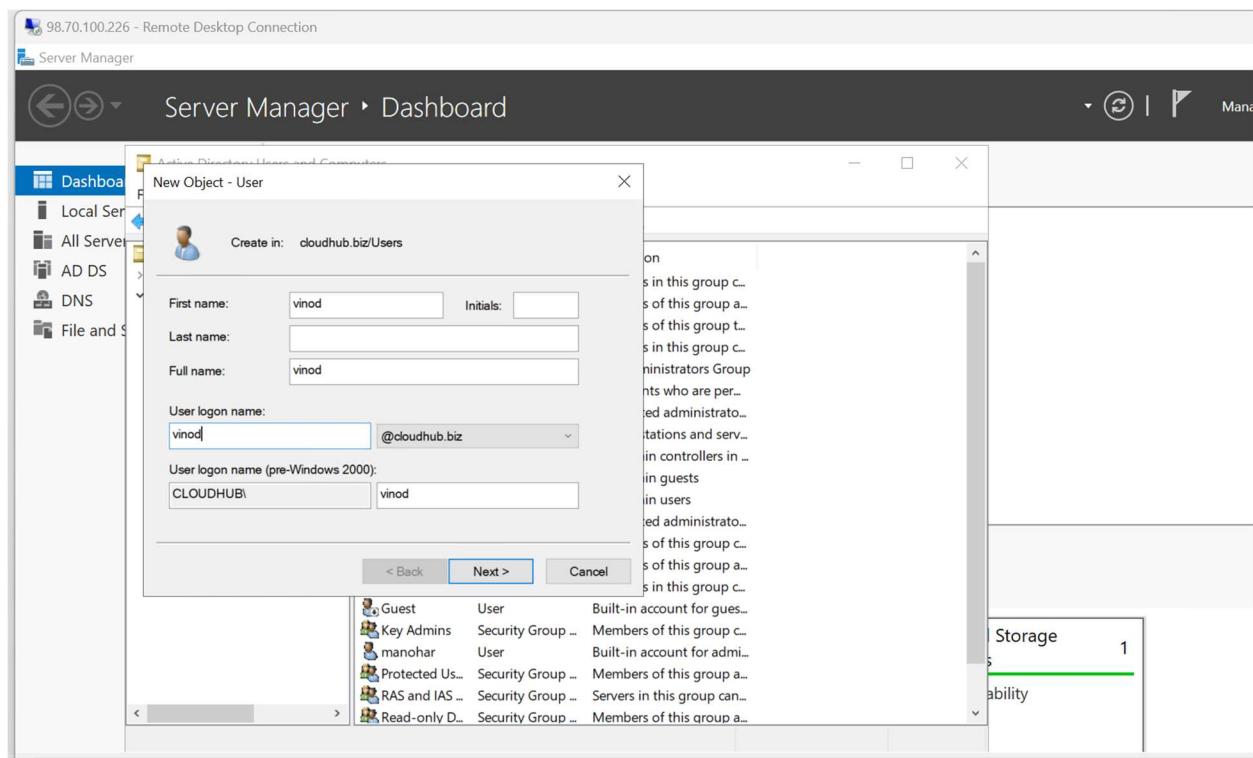
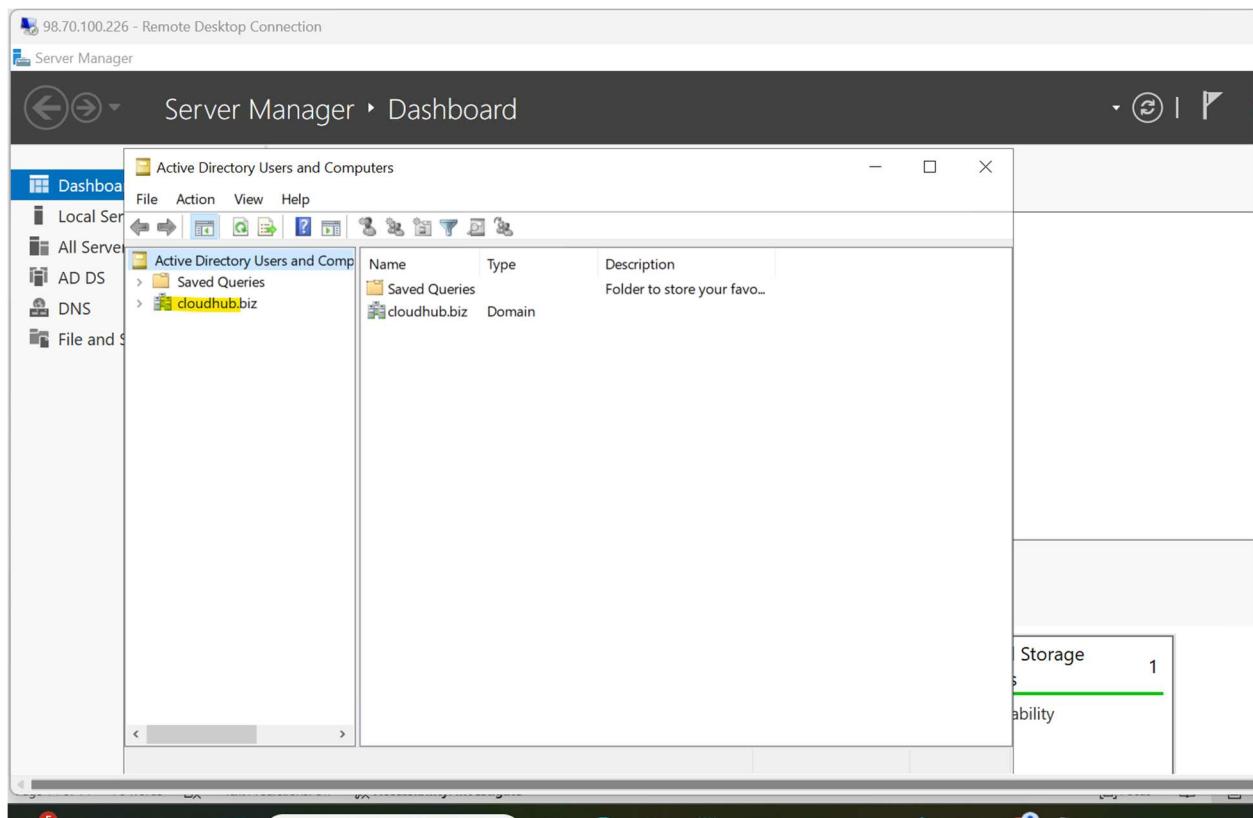


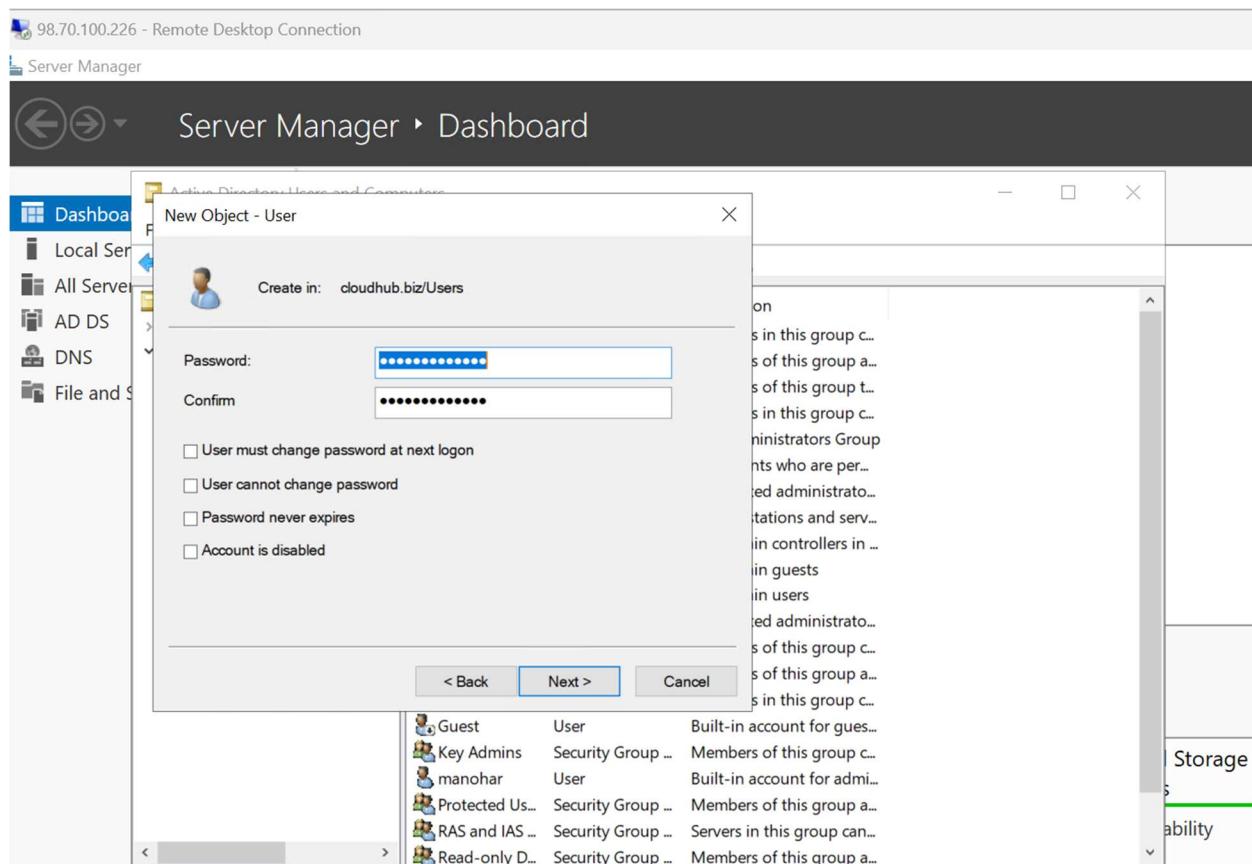
Successfully connected to the vm again



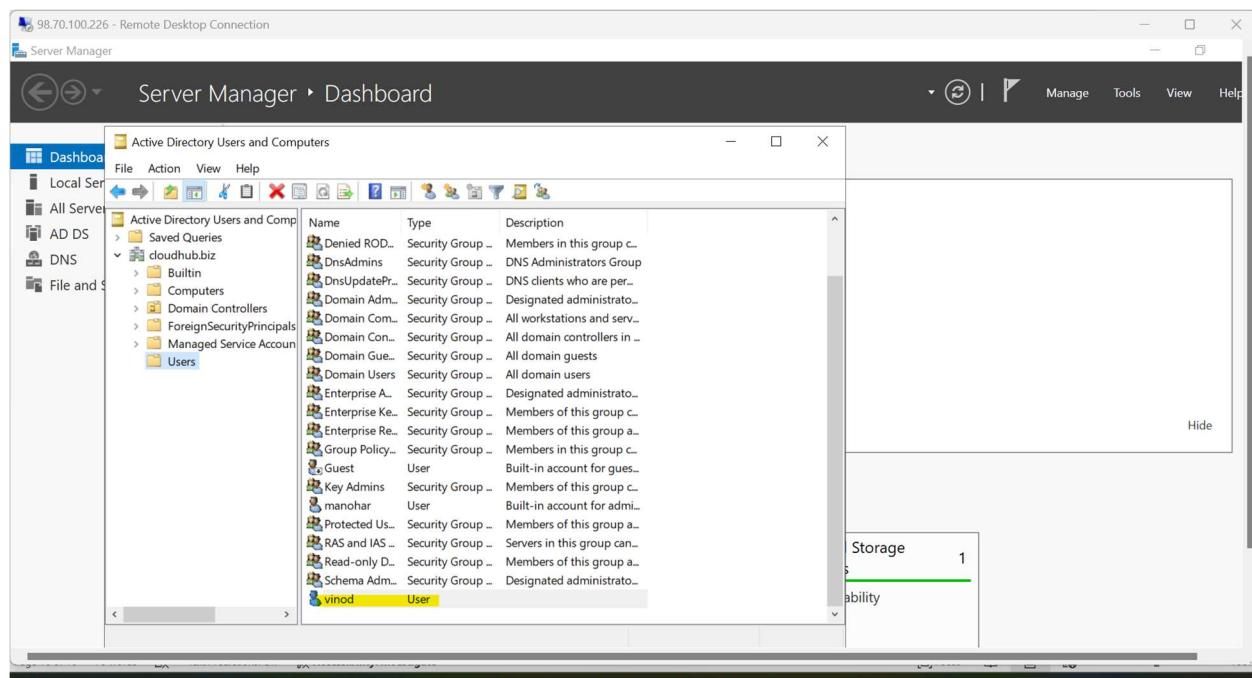
Click on tools and open active directory users and computers and create a user







User has been created successfully



Go to entra id in azure and search for custom domain

The screenshot shows the Microsoft Azure Entra ID Overview page for the tenant 'cloudhub.biz'. The left sidebar includes options like Groups, External identities, Roles and administrators, etc. The main area displays basic information such as Name (cloudhub.biz), Tenant ID (c7d81a20-050a-460f-bcd6-e599378636e0), Primary domain (cloudhub.biz), License (Microsoft Entra ID Free), and counts for Users (4), Groups (6), Applications (3), and Devices (1). Two alerts are present: 'MSOnline PowerShell Retirement' (warning) and 'Migrate to the converged Authentication methods policy' (warning).

I have purchased a domain from go daddy and add the same domain in custom domain and in go daddy update the DNS records and it shows verify

The screenshot shows the Microsoft Azure Entra ID Custom domain names page. The left sidebar has a 'Custom domain names' section selected. The main table lists three domains: 'cloudhub.biz' (Status: Verified, Federated: ✓, Primary: ✓), 'maheshkumar0091989@gmail.onmicrosoft.com' (Status: Verified), and 'maheshkumar0091989@gmail.onmicrosoft.com' (Status: Available).

Name	Status	Federated	Primary
cloudhub.biz	Verified	✓	✓
maheshkumar0091989@gmail.onmicrosoft.com	Verified		
maheshkumar0091989@gmail.onmicrosoft.com	Available		

[dcc.godaddy.com/control/dnsmanagement?domainName=cloudhub.biz](https://dcc.godaddy.com/control/dnsmanagement?domainName=cloudhub.biz)

Domains

	NS	@	ns63.domaincontrol.com.	1 Hour	Filters	Actions
Portfolio	NS	@	ns64.domaincontrol.com.	1 Hour	Can't delete	Can't edit
DNS	SOA	@	Primary nameserver: ns63.domaincontrol.com.	1 Hour		
Transfers	TXT	@	MS=ms23390189	1 Hour		
Services						
Tools						
Settings						

Go to Microsoft entra connect & connect sync & currently it shows sync has never happen

Microsoft Azure

Home > cloudhub.biz | Microsoft Entra Connect > Microsoft Entra Connect

Microsoft Entra Connect | Connect Sync

Get started Cloud Sync Connect Sync

Action required: A service change is coming to Microsoft Entra Connect Sync. Upgrade to the latest version by April 2025 to avoid feature disruption. [Learn more](#)

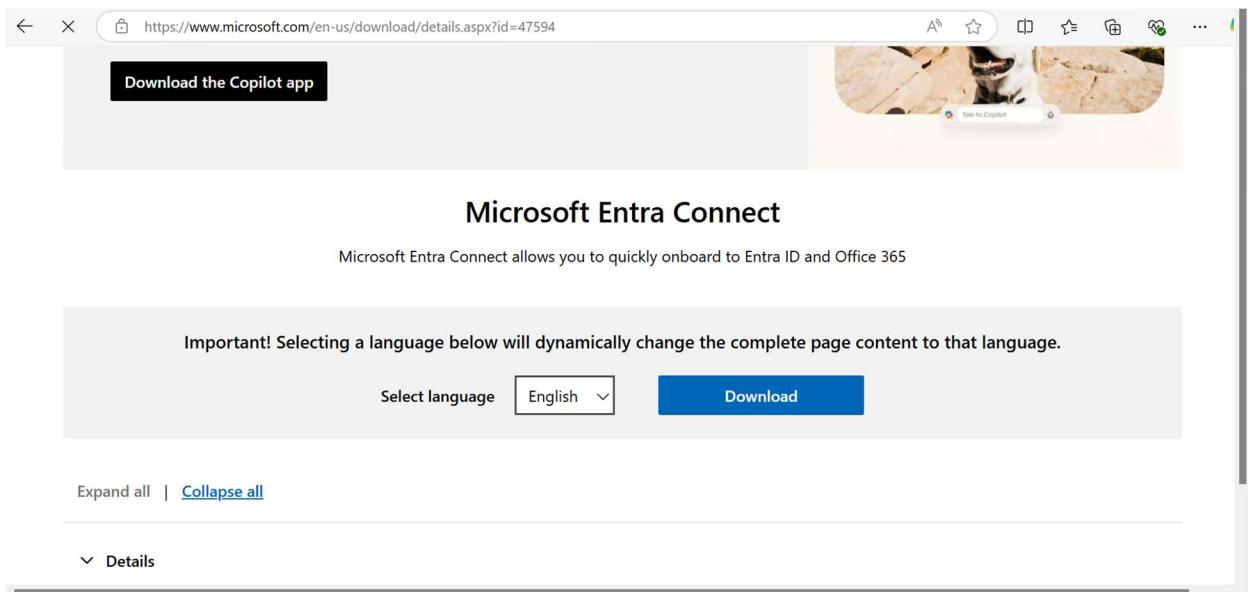
Manage your on-premises resources, authentication configurations, and on-premises infrastructure using Microsoft Entra hybrid services. [Learn more](#)

**PROVISION FROM ACTIVE DIRECTORY**  
Microsoft Entra Connect sync  
Not installed [Download Microsoft Entra Connect](#)  
Last sync Sync has never run  
Password Hash Sync Enabled

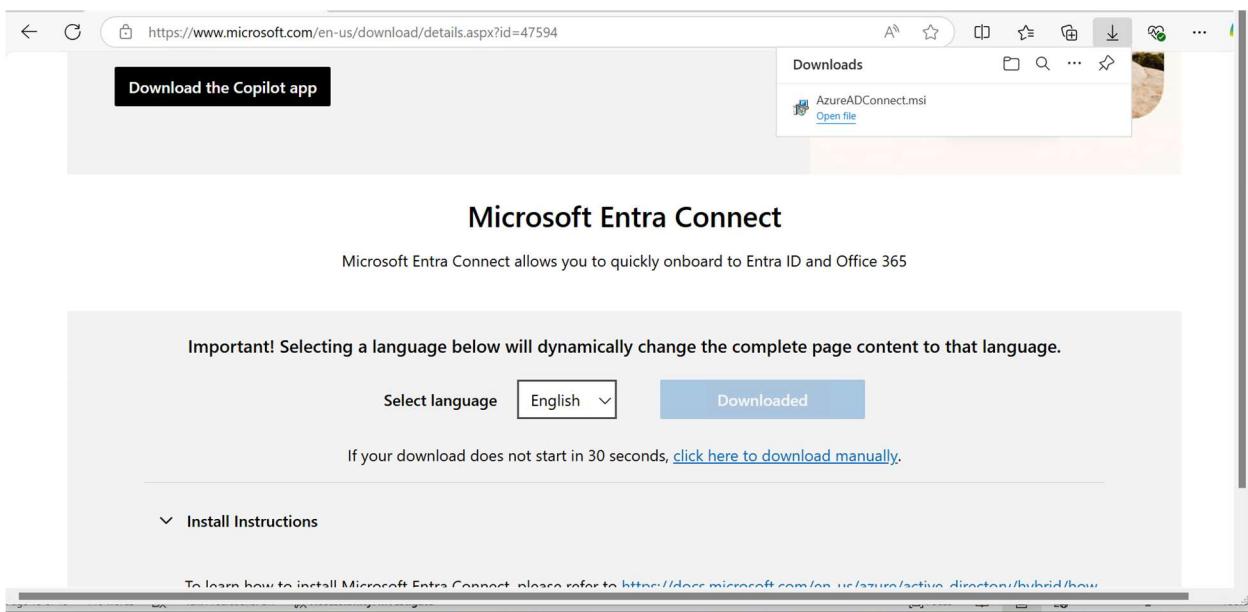
**USER SIGN-IN**  
Federation Disabled 0 domains  
Seamless single sign-on Disabled 0 domains  
Pass-through authentication Disabled 0 agents  
Email as alternate login ID Disabled

**STAGED ROLLOUT OF CLOUD AUTHENTICATION**  
This feature allows you to test cloud authentication and migrate gradually from federated authentication.  
[Enable staged rollout for managed user sign-in](#)

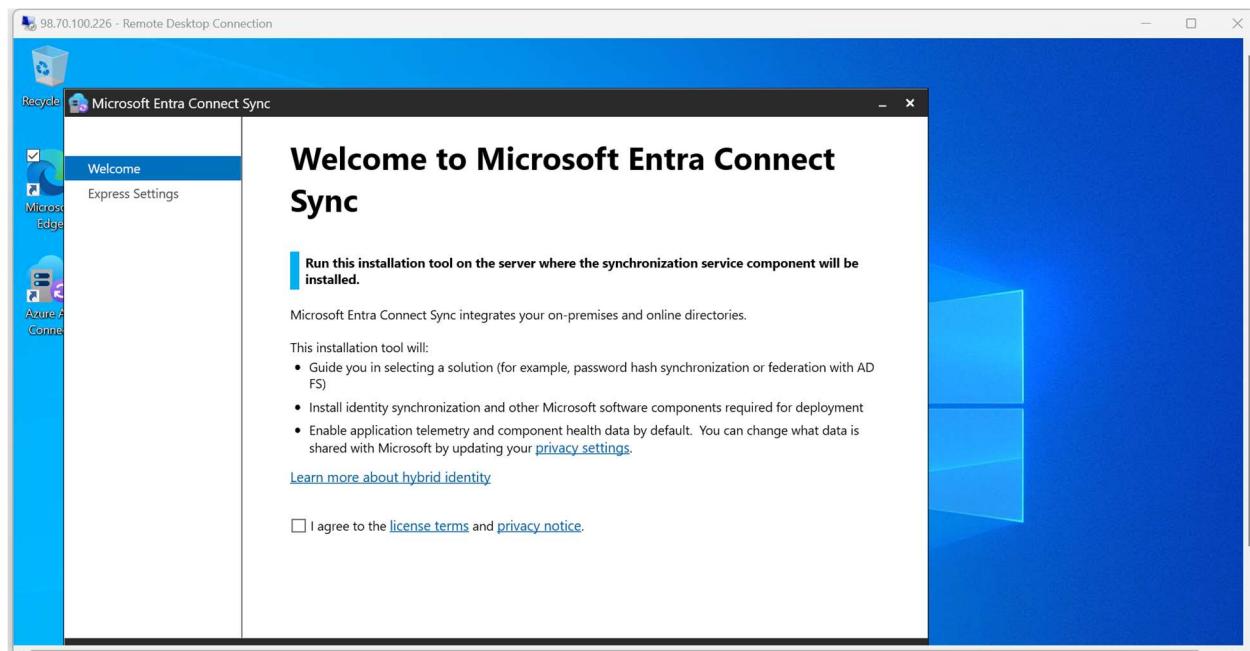
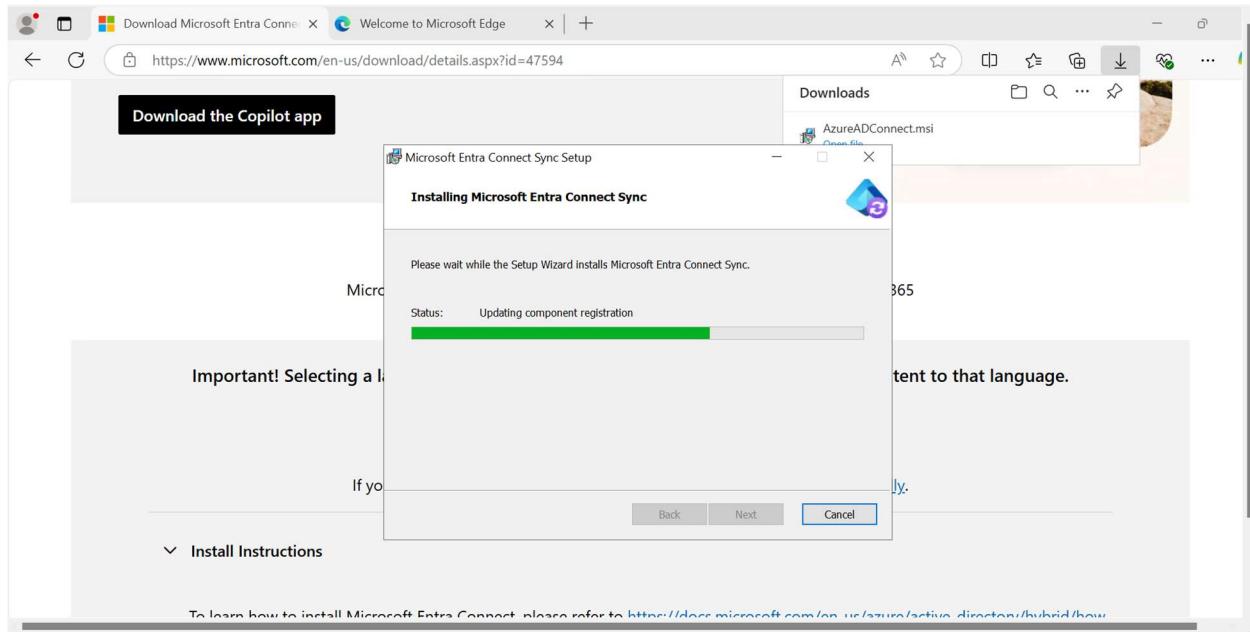
Download & install Microsoft entra connect agent on the VM



A screenshot of a Microsoft Edge browser window showing the Microsoft Entra Connect download page. The URL in the address bar is <https://www.microsoft.com/en-us/download/details.aspx?id=47594>. The page features a "Download the Copilot app" button and a "Talk to Copilot" icon. A message box states: "Important! Selecting a language below will dynamically change the complete page content to that language." Below this are "Select language" and "English" dropdown menus, and a "Download" button. At the bottom left is a "Details" section with a collapse/expand link.



A screenshot of the same Microsoft Edge browser window after the download has completed. The download progress bar at the top shows 100% completion. The download list in the sidebar shows "AzureADConnect.msi" with the status "Open file". The main page content remains the same, including the "Downloaded" status in the language selection area and the "Install Instructions" section at the bottom.



Before we configure microsoft entra connect agent we need to enable TLS 1.2 and set the execution policy to remote signed in

Open powershell as an administrator

98.70.100.226 - Remote Desktop Connection

Administrator: Windows PowerShell ISE

New Script Untitled1.ps1 X

```
PS C:\Users\manohar> 1
```

98.70.100.226 - Remote Desktop Connection

Administrator: Windows PowerShell ISE

New Script Untitled1.ps1 X

```
17 <#> [System.Security.Cryptography.X509Certificates.X509Protocol]::Schannel
18 <#> | Set-ItemProperty -Path "Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server" -Name "Enabled" -Value "1" -PropertyType
19 <#> "String"
20 <#> | Set-ItemProperty -Path "Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server" -Name "DisabledByDefault" -Value "0" -P
21 <#>ropertyType
22 <#> Set-ItemProperty -Path "Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client" -Name "Enabled" -Value "1" -PropertyType
23 <#> String
24 <#> | Set-ItemProperty -Path "Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client" -Name "Enabled" -Value "1" -PropertyType
25 <#> String
26 <#> | Set-ItemProperty -Path "Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client" -Name "Enabled" -Value "1" -PropertyType
```

Commands X

Modules: All Refresh

Name:

A:

- Add-ADCentralAccessPolicyMember
- Add-ADComputerServiceAccount
- Add-ADDomainControllerPasswordReplicationPolicy
- Add-ADDSReadOnlyDomainControllerAccount
- Add-ADFineGrainedPasswordPolicySubject
- Add-ADGroupMember
- Add-ADPrincipalGroupMembership
- Add-ADResourcePropertyListMember
- Add-AppClientConnectionGroup
- Add-AppClientPackage
- Add-AppPublishingServer
- Add-AppxPackage
- Add-AppxProvisionedPackage
- Add-AppVolume
- Add-BCDataCacheExtension

Run Insert Copy

Ln 29 Col 129 100%

A screenshot of the Windows PowerShell ISE window titled "Administrator: Windows PowerShell ISE". The script in the editor is as follows:

```
17 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Force | Out-Null
18
19 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'Enabled' -Value '1' -PropertyType
20 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'DisabledByDefault' -Value '0' -P
21
22 Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client')
23
24 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Force | Out-Null
25
26 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Name 'Enabled' -Value '1' -PropertyType
New-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\.NETFramework\v4.0.30319' -Name 'SystemDefaultTlsVersions' -Value 1
New-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\.NETFramework\v4.0.30319' -Name 'SchUseStrongCrypto' -Value '1'

If (-Not (Test-Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server')
{
    New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Force
}
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server'
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server'

If (-Not (Test-Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client')
{
    New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Force
}
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client'
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client'

Write-Host 'TLS 1.2 has been enabled. You must restart the Windows Server for the changes to take affect.' -ForegroundColor Green
TLS 1.2 has been enabled. You must restart the Windows Server for the changes to take affect.

PS C:\Users\manohar>
```

The "Commands" pane on the right shows various cmdlets starting with "Add-".

A screenshot of the Windows PowerShell ISE window titled "Administrator: Windows PowerShell ISE". The script in the editor is identical to the one above:

```
17 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Force | Out-Null
18
19 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'Enabled' -Value '1' -PropertyType
20 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'DisabledByDefault' -Value '0' -P
21
22 Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client')
23
24 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Force | Out-Null
25
26 [r]Set\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Name 'Enabled' -Value '1' -PropertyType
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'SystemDefaultTlsVersions' -Value 1
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Name 'SchUseStrongCrypto' -Value '1'

If (-Not (Test-Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server')
{
    New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Force
}
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server'
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server'

If (-Not (Test-Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client')
{
    New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Force
}
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client'
New-ItemProperty -Path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client'

Write-Host 'TLS 1.2 has been enabled. You must restart the Windows Server for the changes to take affect.' -ForegroundColor Green
TLS 1.2 has been enabled. You must restart the Windows Server for the changes to take affect.

PS C:\Users\manohar> Set-ExecutionPolicy -ExecutionPolicy RemoteSigned
```

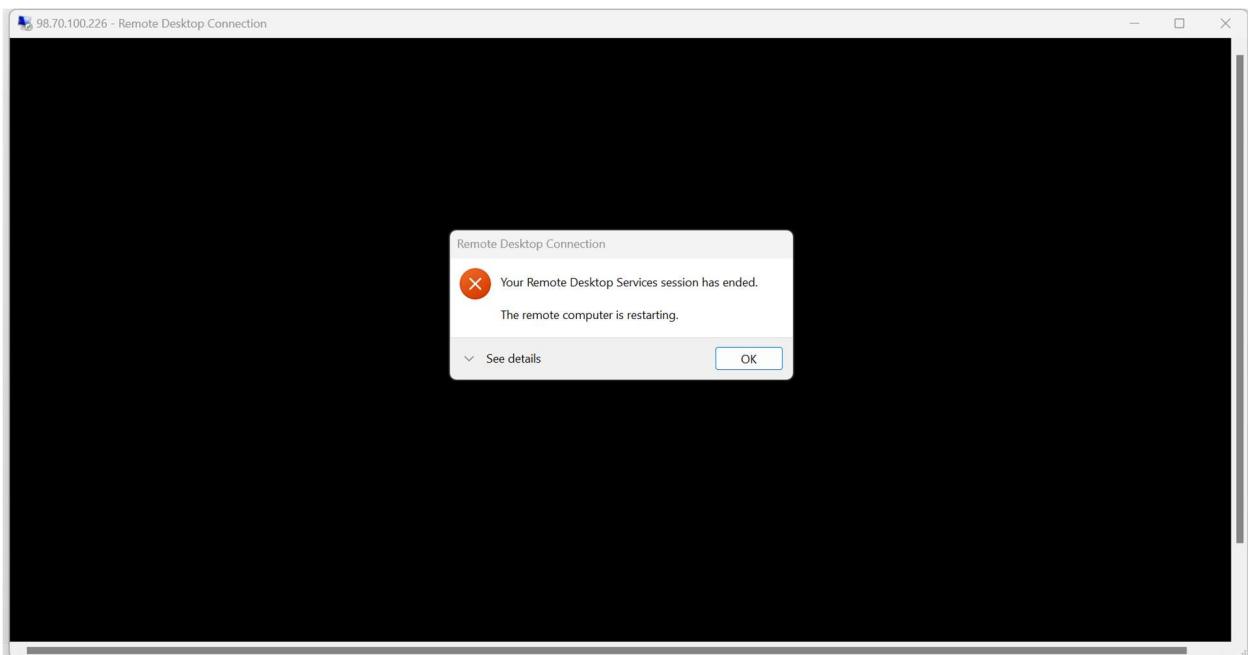
A message box is displayed asking if the user wants to change the execution policy:

Execution Policy Change  
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose you to the security risks described in the about\_Execution\_Policies help topic at <https://go.microsoft.com/fwlink/?LinkId=135170>. Do you want to change the execution policy?

Buttons: Yes, Yes to All, No, No to All, Suspend

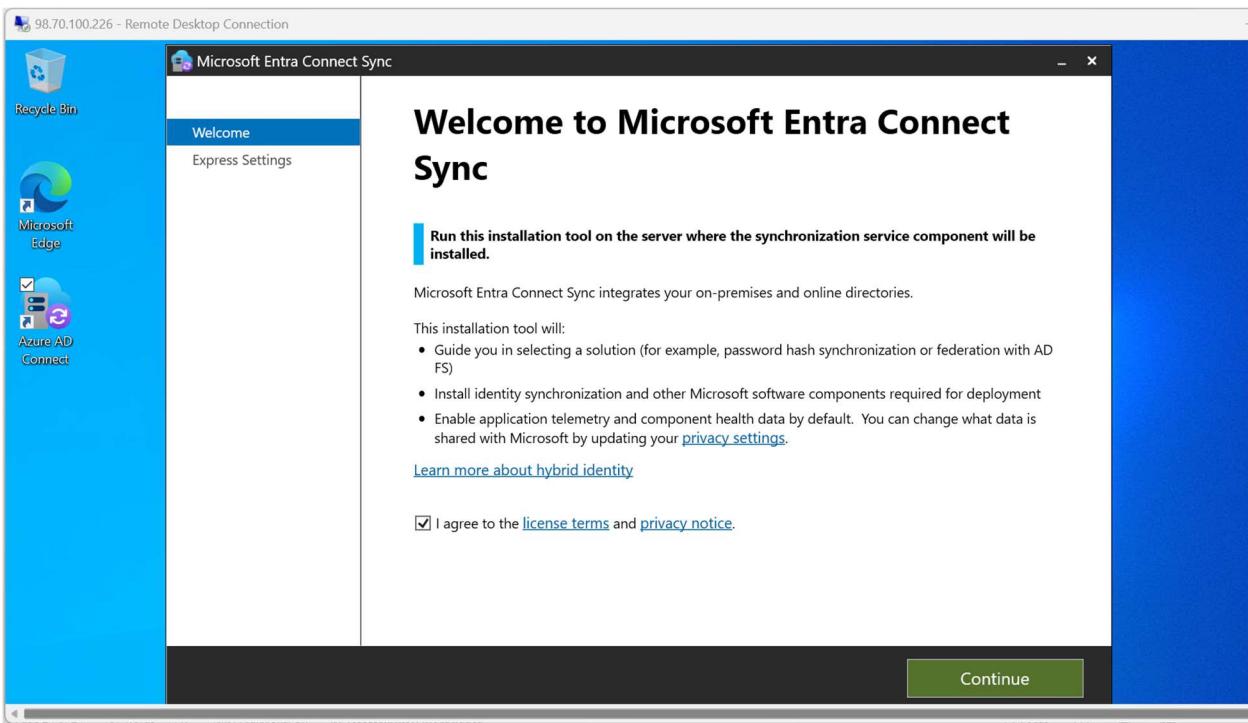
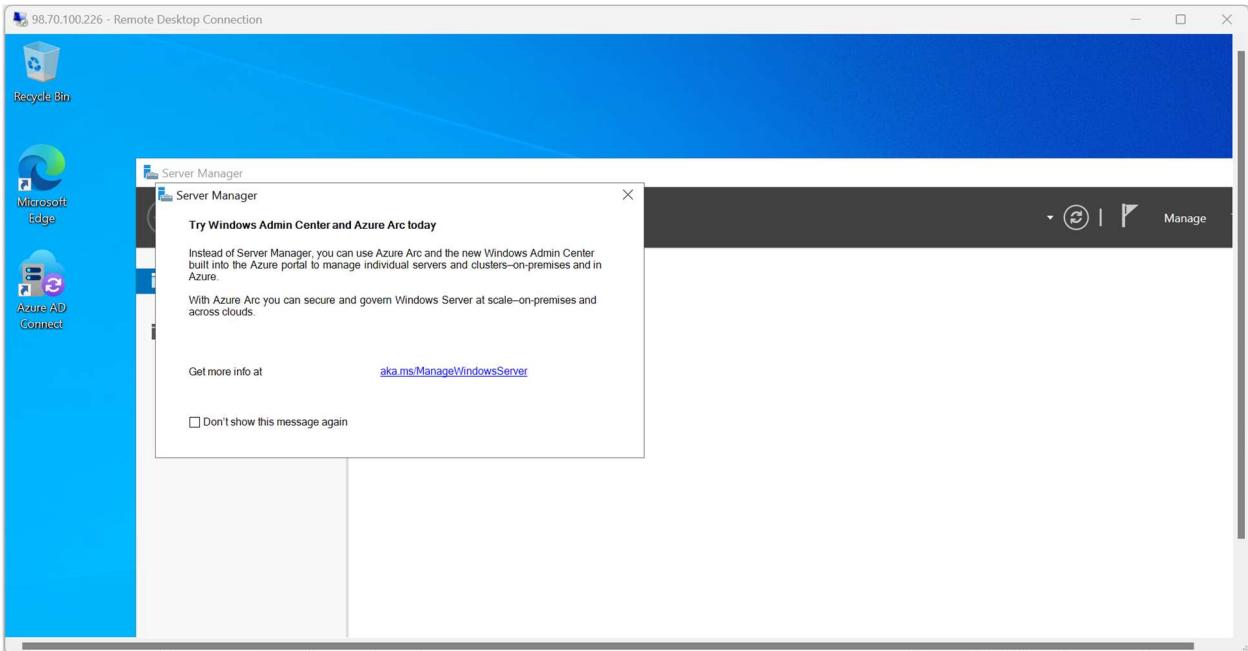
The "Commands" pane on the right shows various cmdlets starting with "Add-".

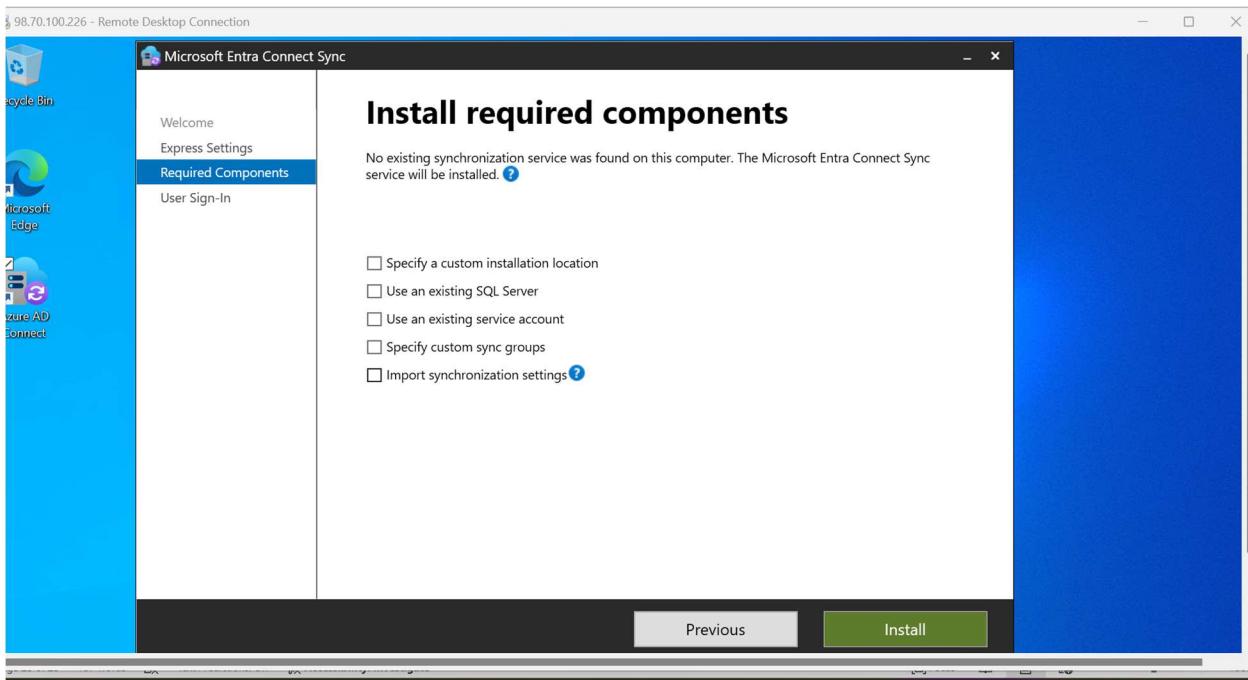
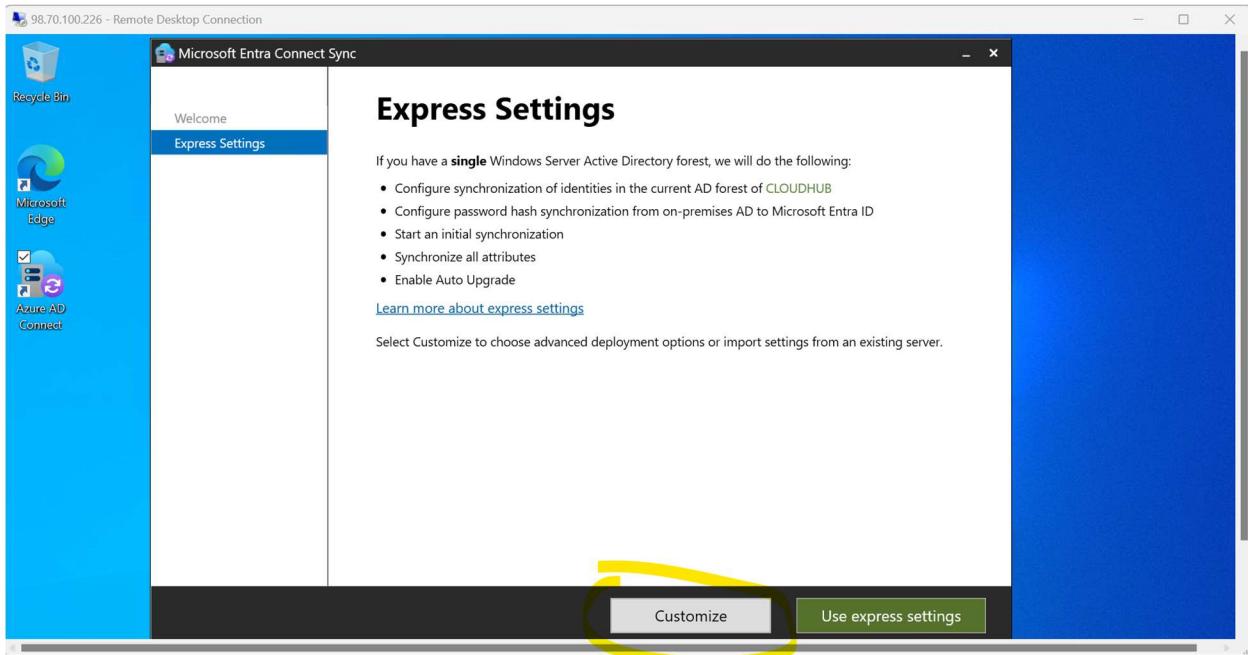
Restart the VM

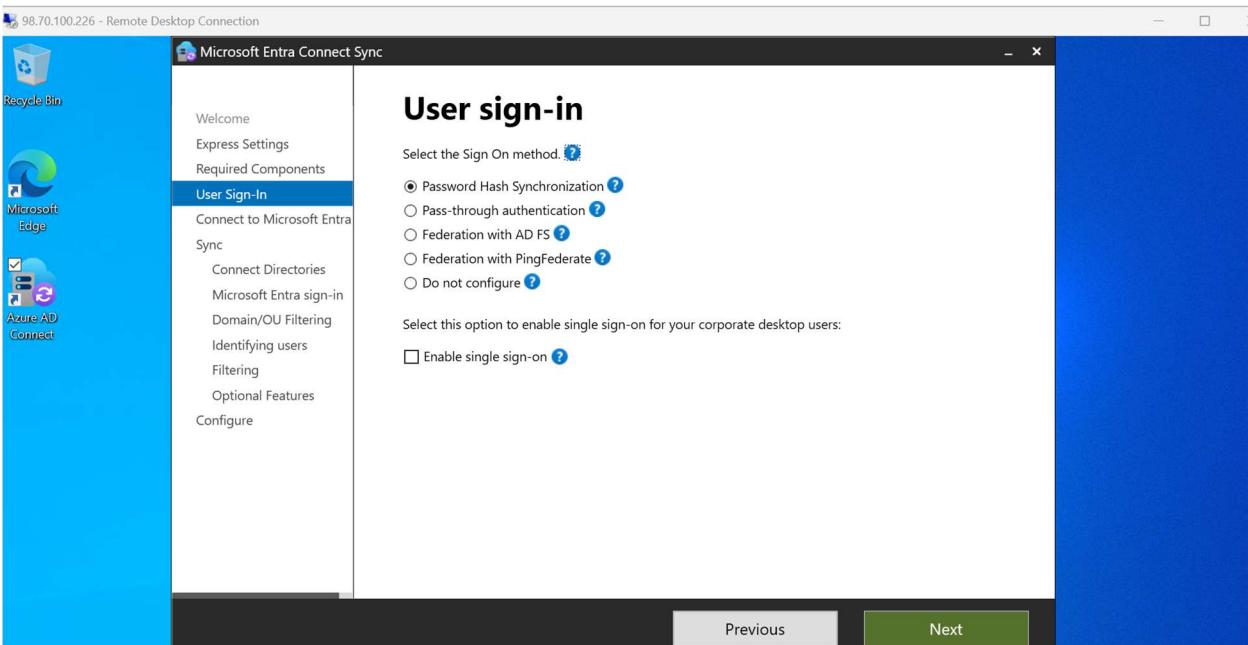
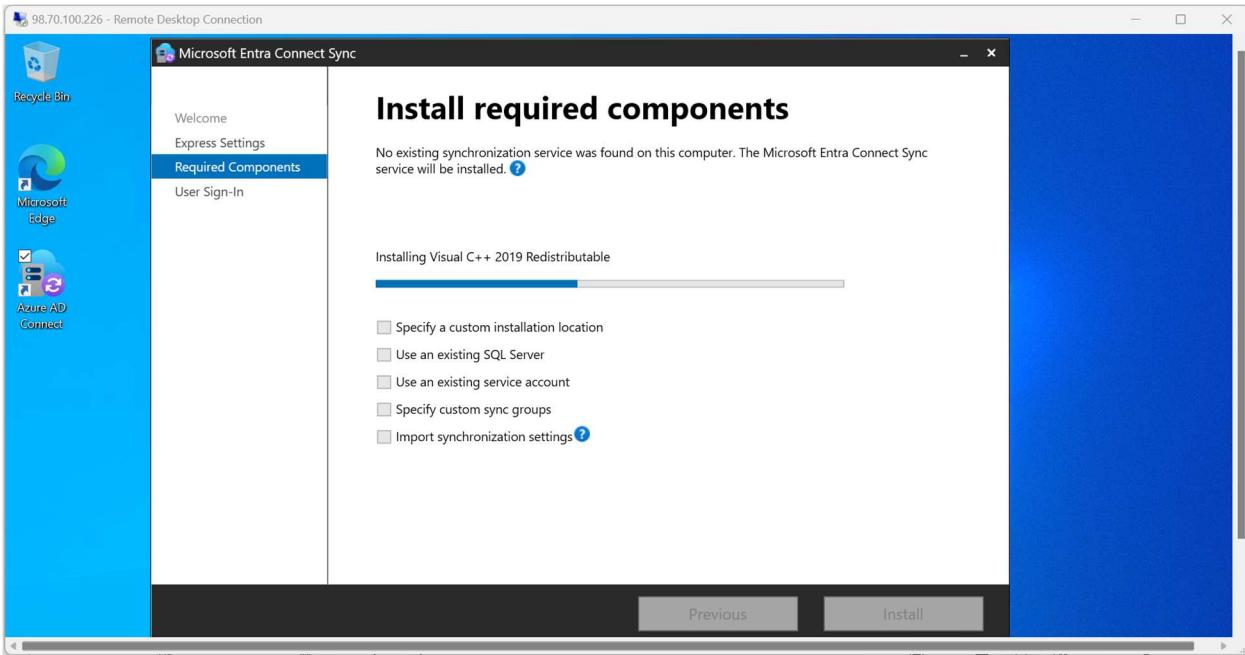


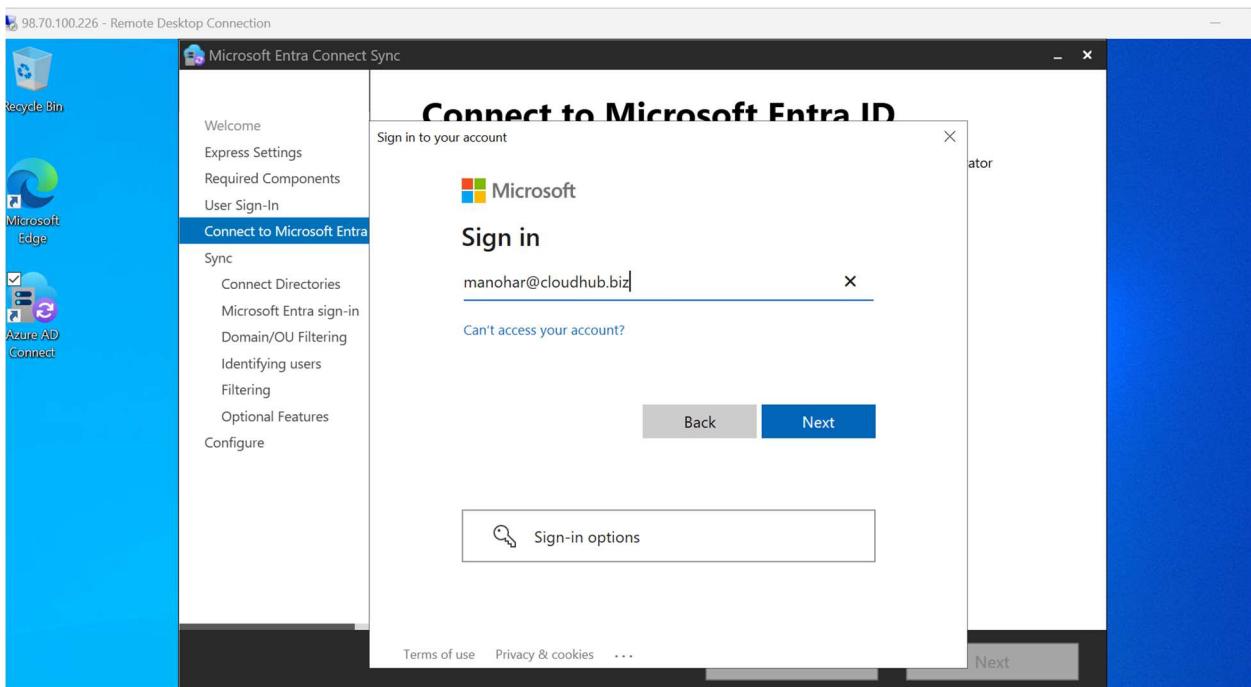
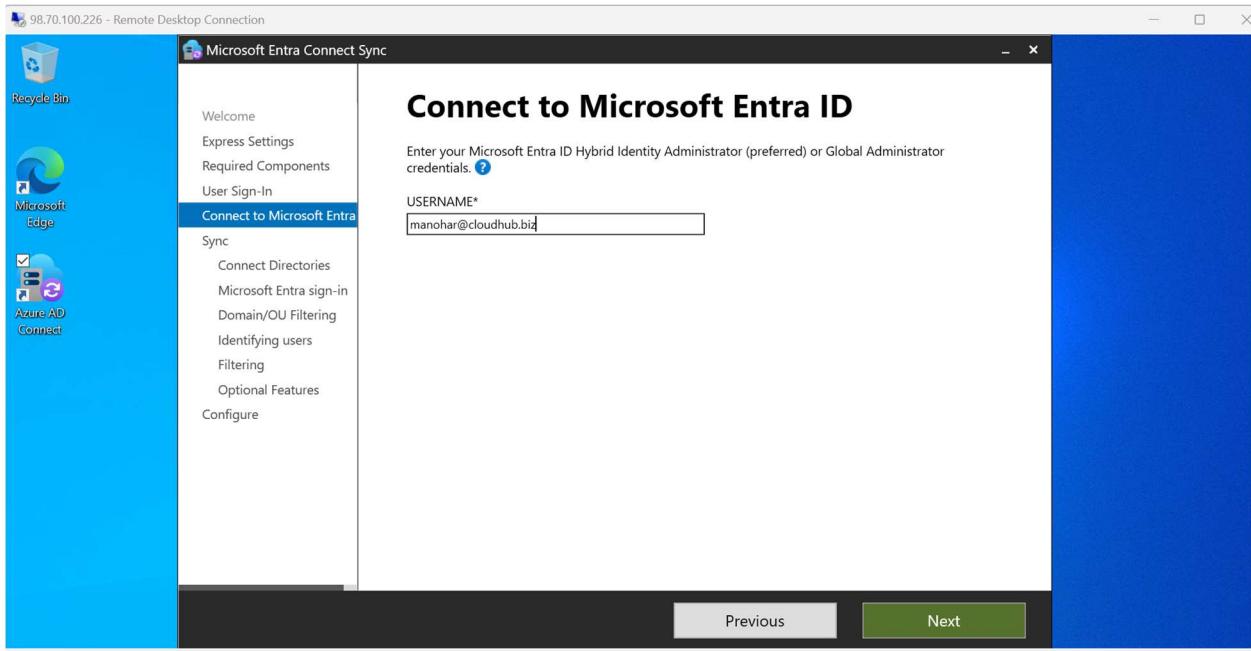
## Connect to the VM and configure Microsoft entra connect sync agent

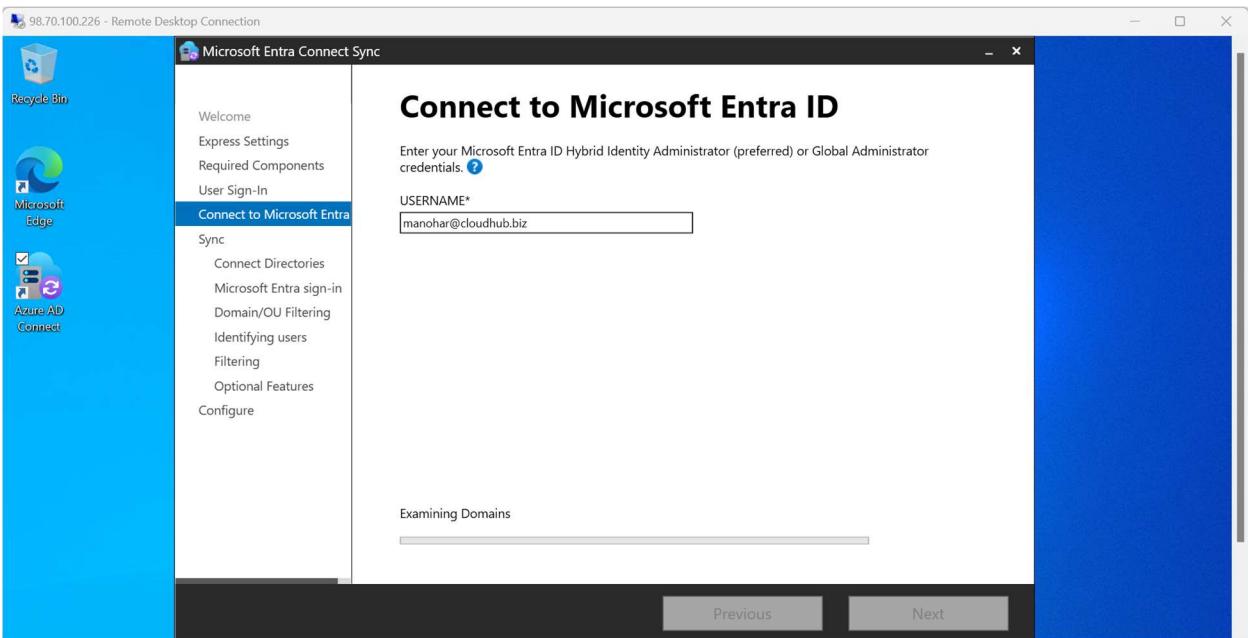
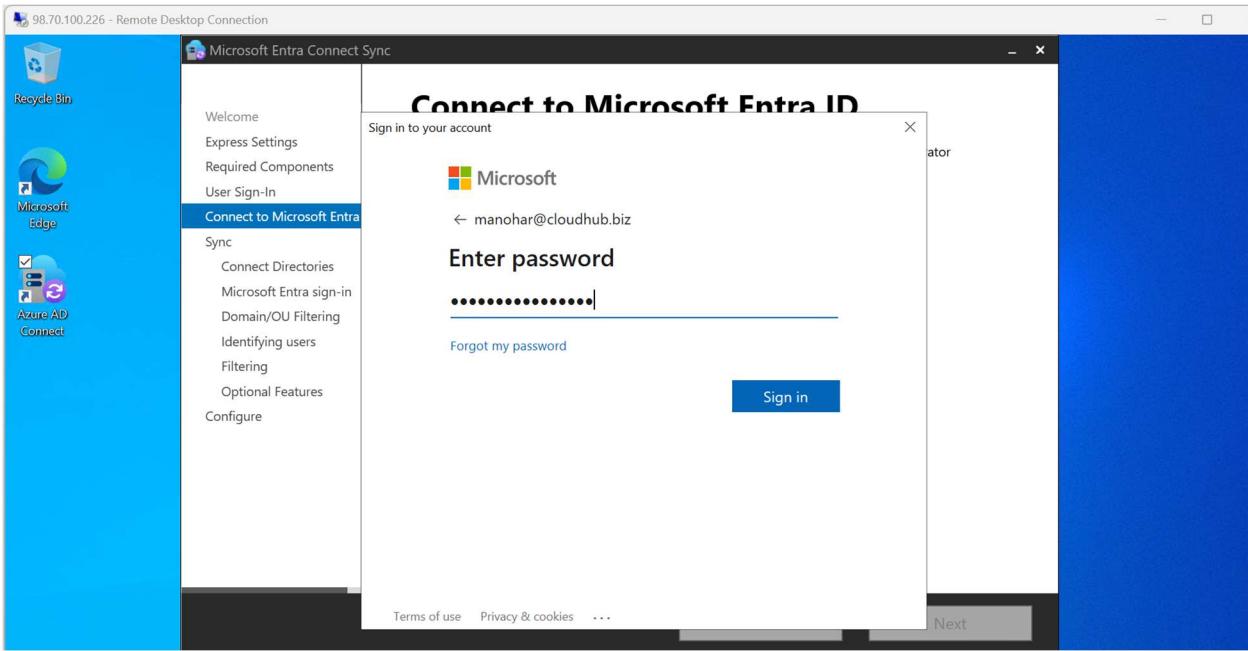
A screenshot of the Microsoft Azure portal. On the left, the 'Virtual machines' blade shows a list with one item: 'DC01' (Windows Server 2022 Datacenter Azure Edition). In the center, a 'Remote Desktop Connection' window is open over the Azure interface. The window displays a warning message: 'The identity of the remote computer cannot be verified. Do you want to connect anyway?'. It also lists a 'Certificate name' (DC01.cloudhub.biz) and a 'Certificate errors' section with a warning about the certificate not being from a trusted authority. At the bottom of the window, there are 'View certificate...', 'Yes', and 'No' buttons. To the right of the RDP window, the detailed view of the 'DC01' VM is visible, showing its configuration and networking details. The VM's public IP address is listed as '98.70.100.226'.

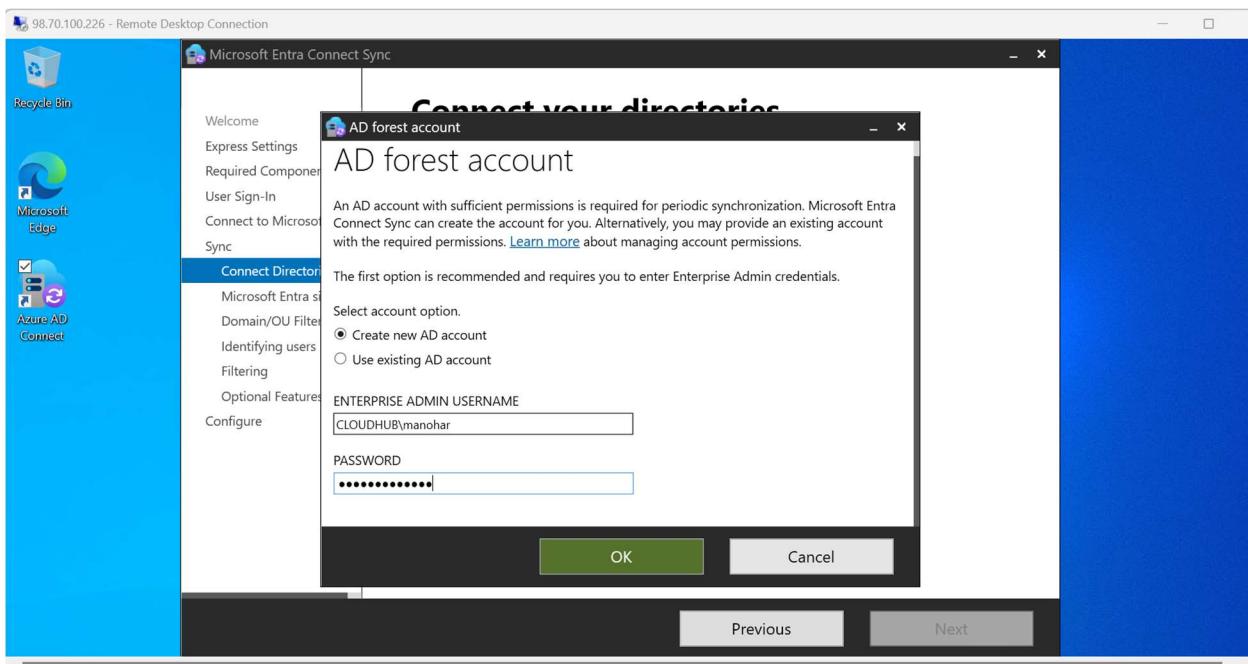
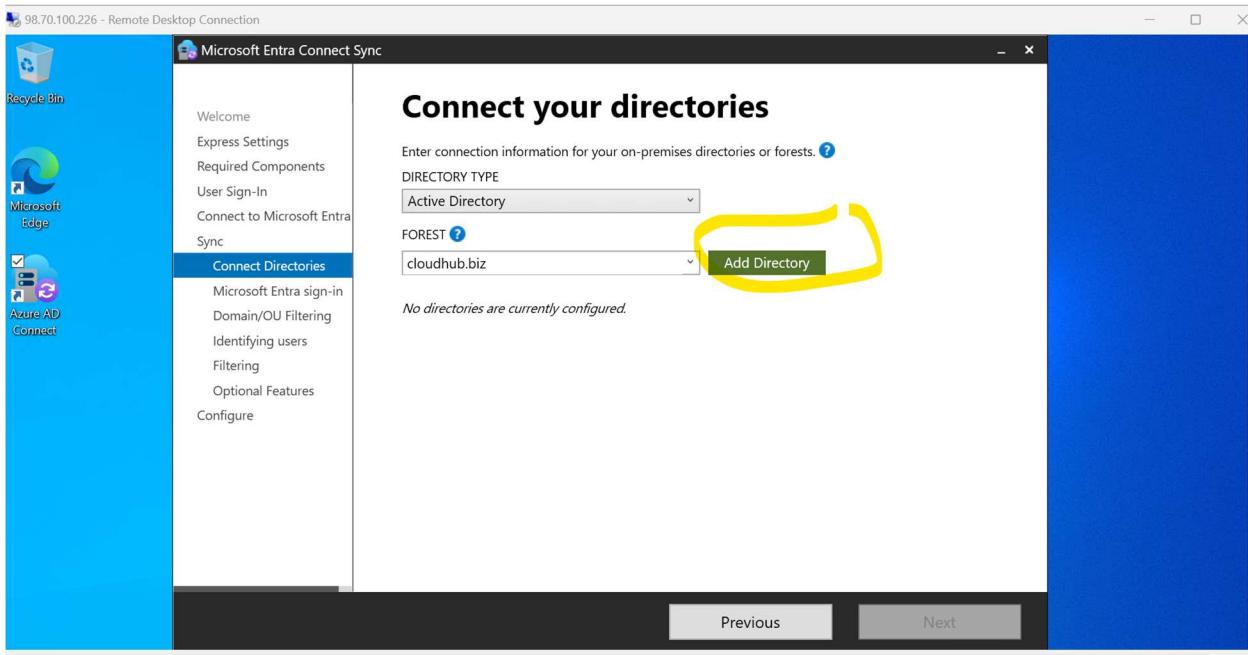


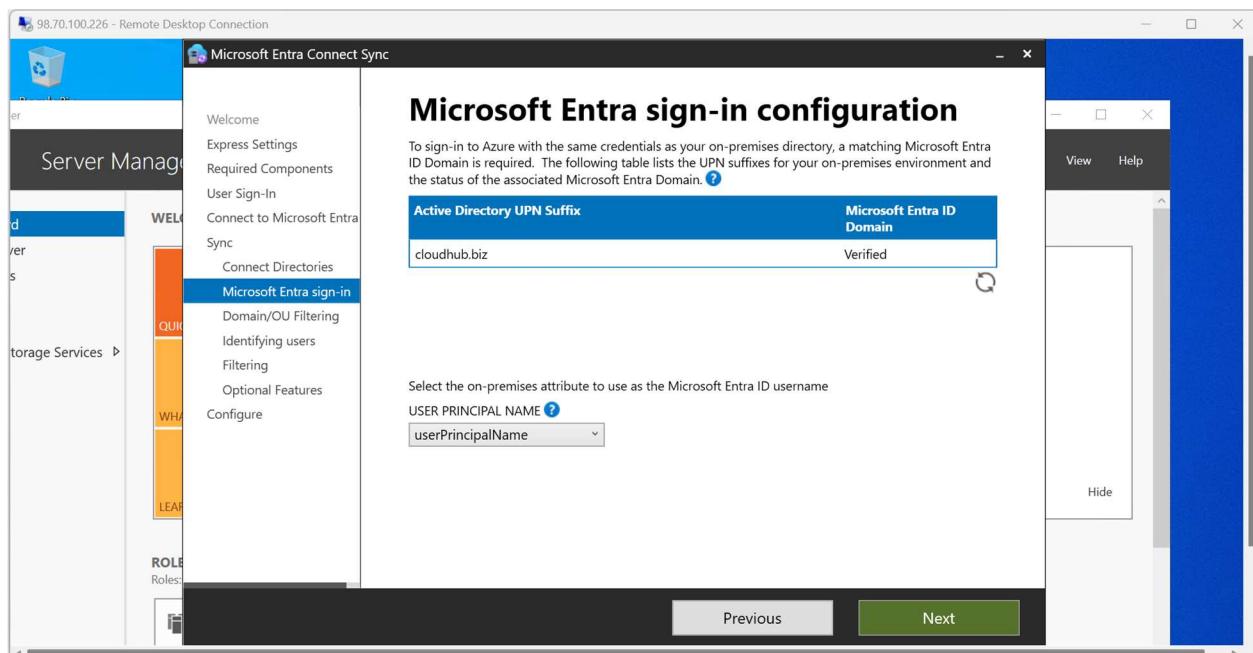
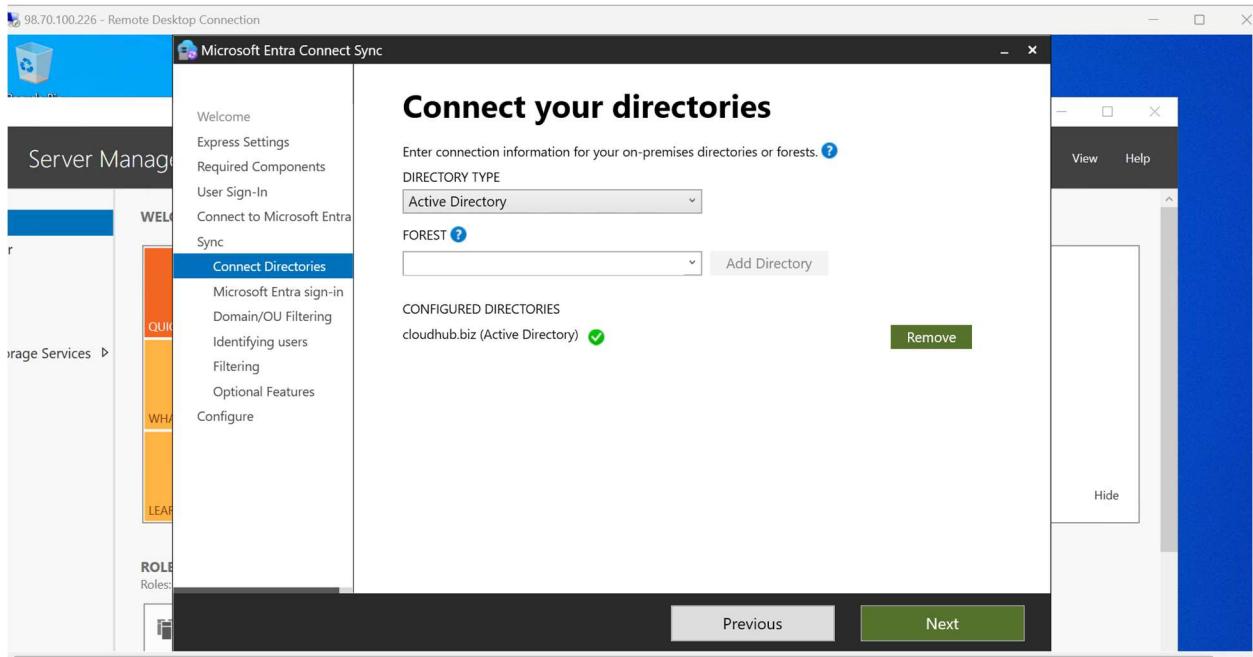


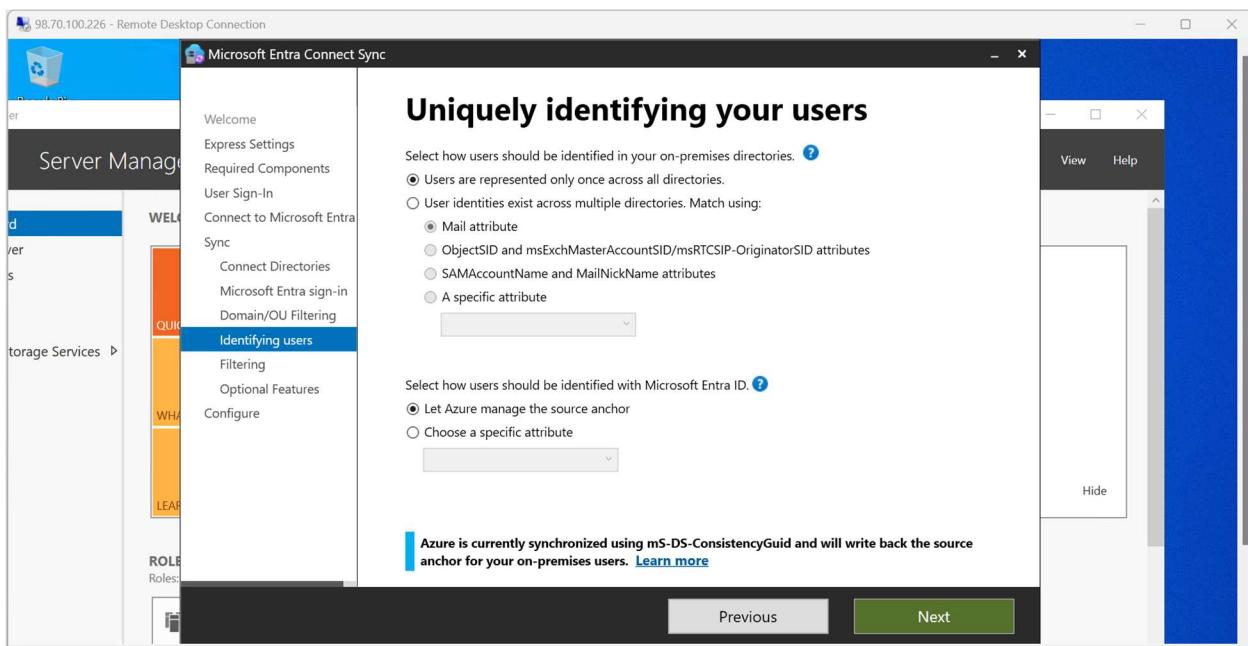
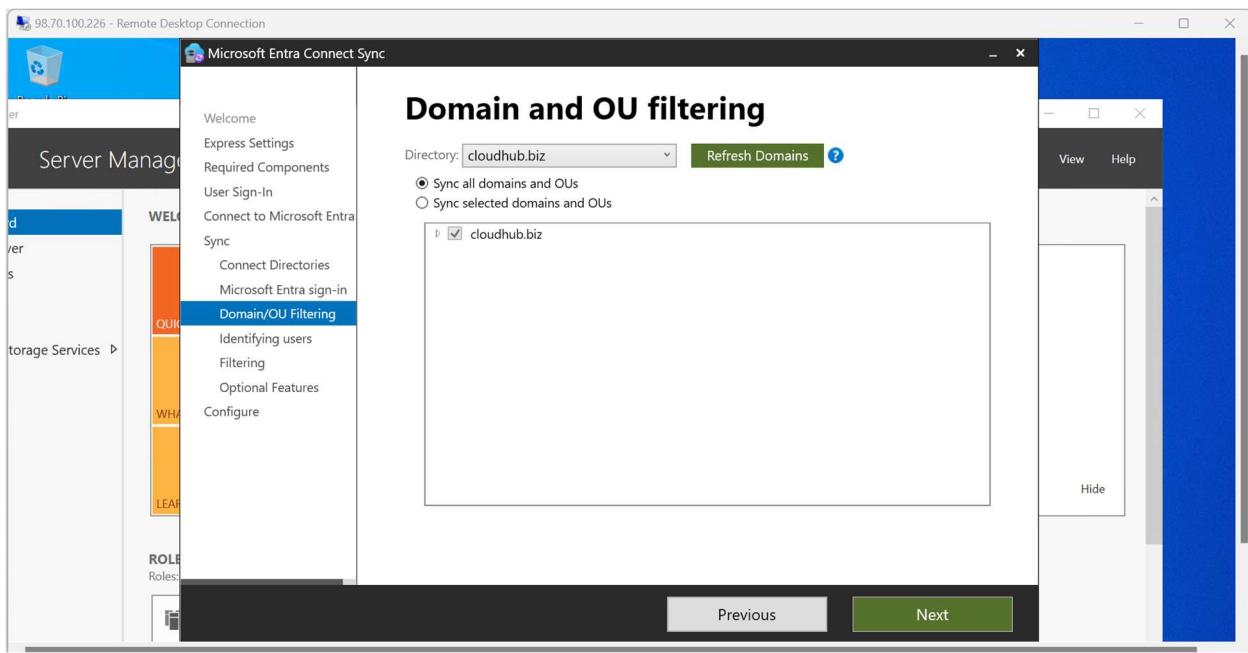


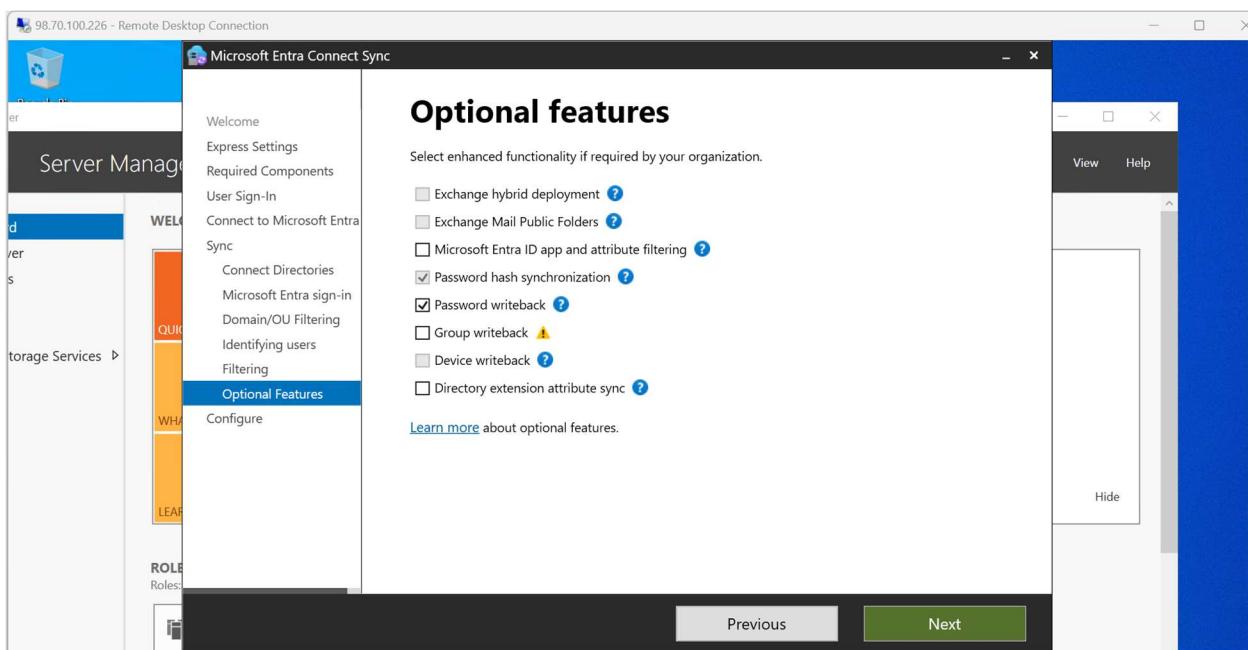
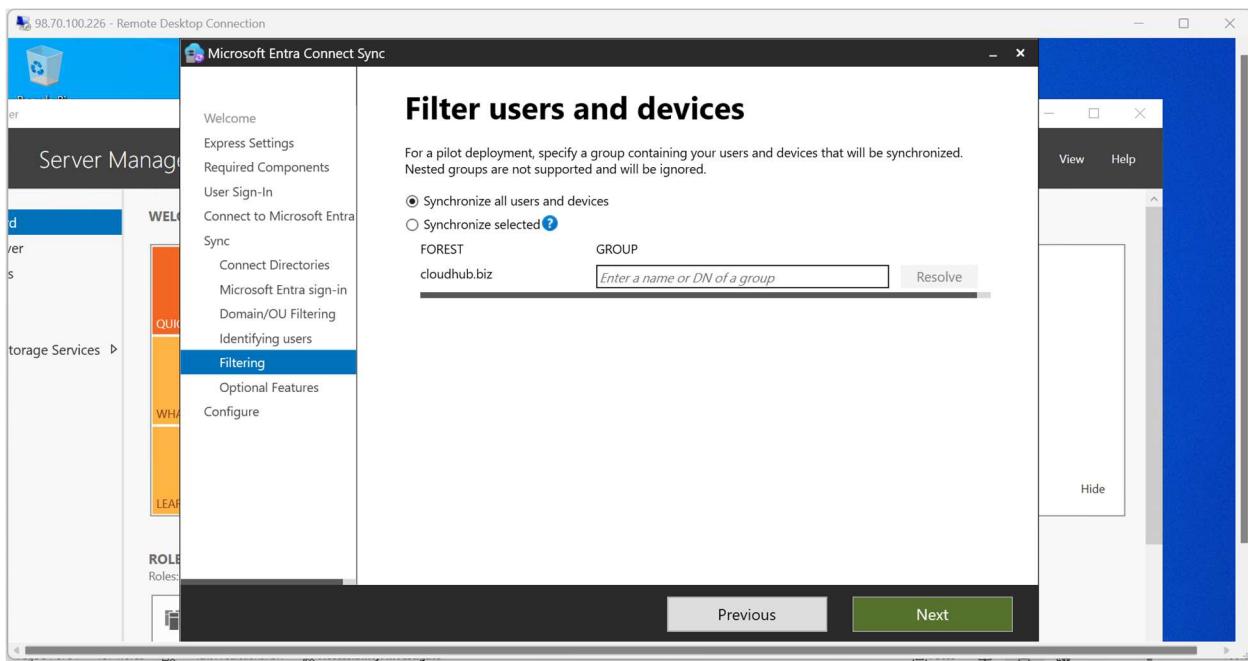


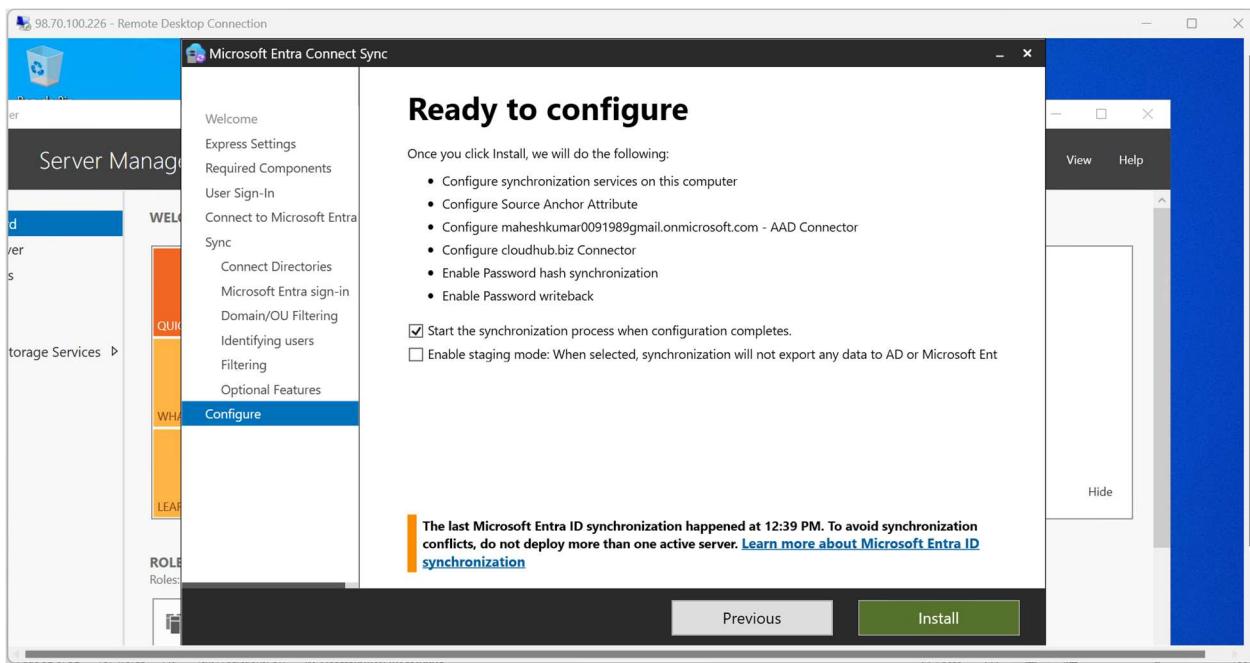




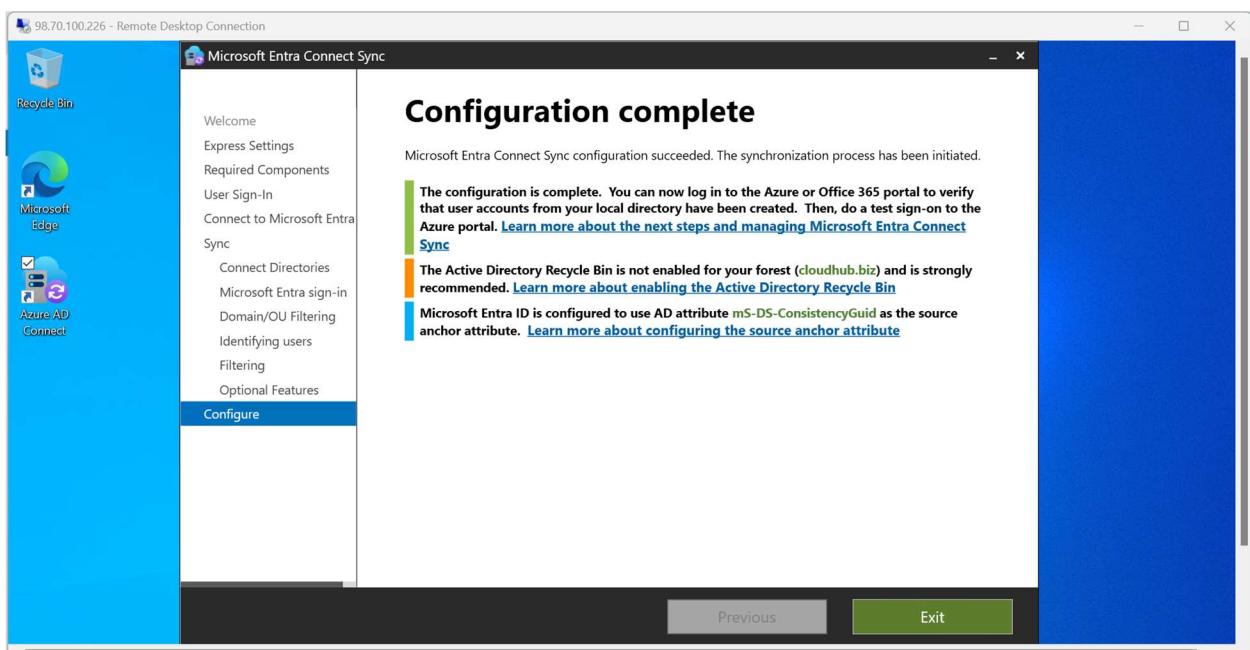








Synchronization finished successfully.



Go back to the azure portal and check the connect sync status

The screenshot shows the Microsoft Entra Connect Connect Sync blade. At the top, there's a navigation bar with back, forward, and search icons, followed by the URL [portal.azure.com/#view/Microsoft\\_AAD\\_Connect\\_Provisioning/AADConnectMenuBlade/~/ConnectSync](https://portal.azure.com/#view/Microsoft_AAD_Connect_Provisioning/AADConnectMenuBlade/~/ConnectSync). Below the navigation bar is the Microsoft Azure header with the account name "manohar@cloudhub.biz". The main content area has a title "Microsoft Entra Connect | Connect Sync" and a sub-section "Microsoft Entra ID". On the left, there's a sidebar with links: "Get started", "Cloud Sync", and "Connect Sync" (which is selected). A message box at the top right says "Action required: A service change is coming to Microsoft Entra Connect Sync. Upgrade to the latest version by April, 2025 to avoid feature disruption. Learn more". Below this, a callout box says "Manage your on-premises resources, authentication configurations, and on-premises infrastructure using Microsoft Entra hybrid services. Learn more". The main content is divided into sections: "PROVISION FROM ACTIVE DIRECTORY" (Sync status: Enabled, Last sync: 1 hour ago, Password Hash Sync: Enabled), "USER SIGN-IN" (Federation: Disabled, Seamless single sign-on: Disabled, Pass-through authentication: Disabled, Email as alternate login ID: Disabled), and "STAGED ROLLOUT OF CLOUD AUTHENTICATION" (This feature allows you to test cloud authentication and migrate gradually from federated authentication. Enable staged rollout for managed user sign-in).

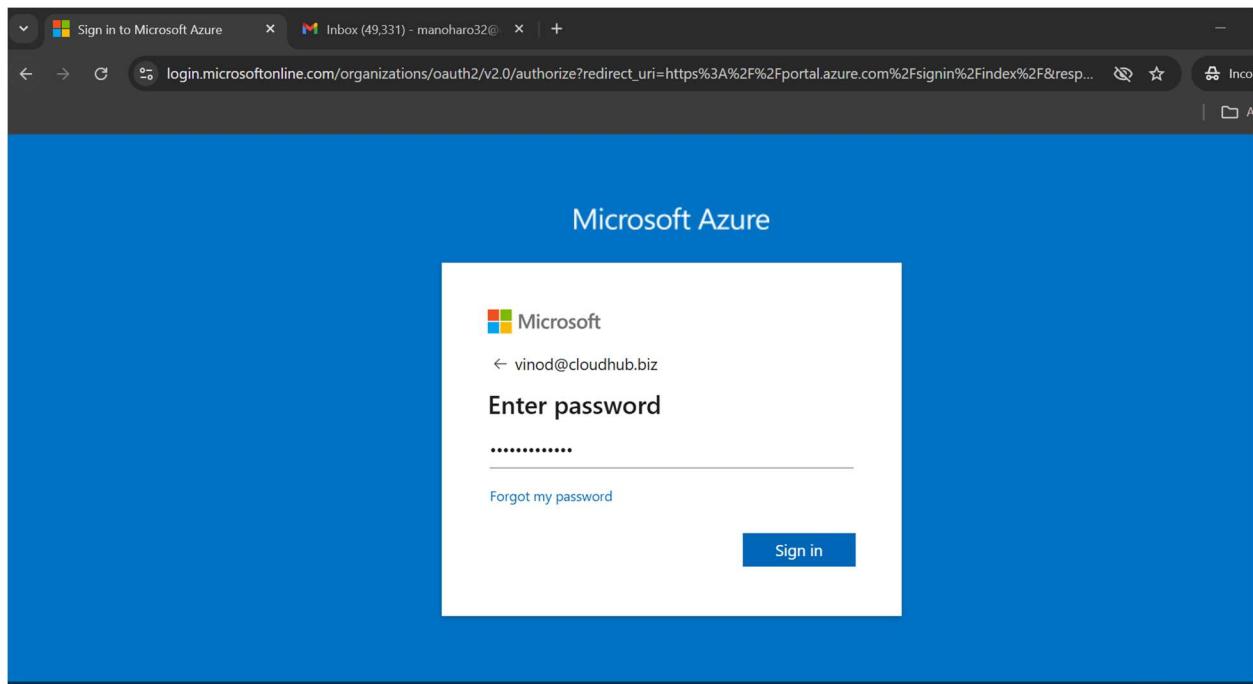
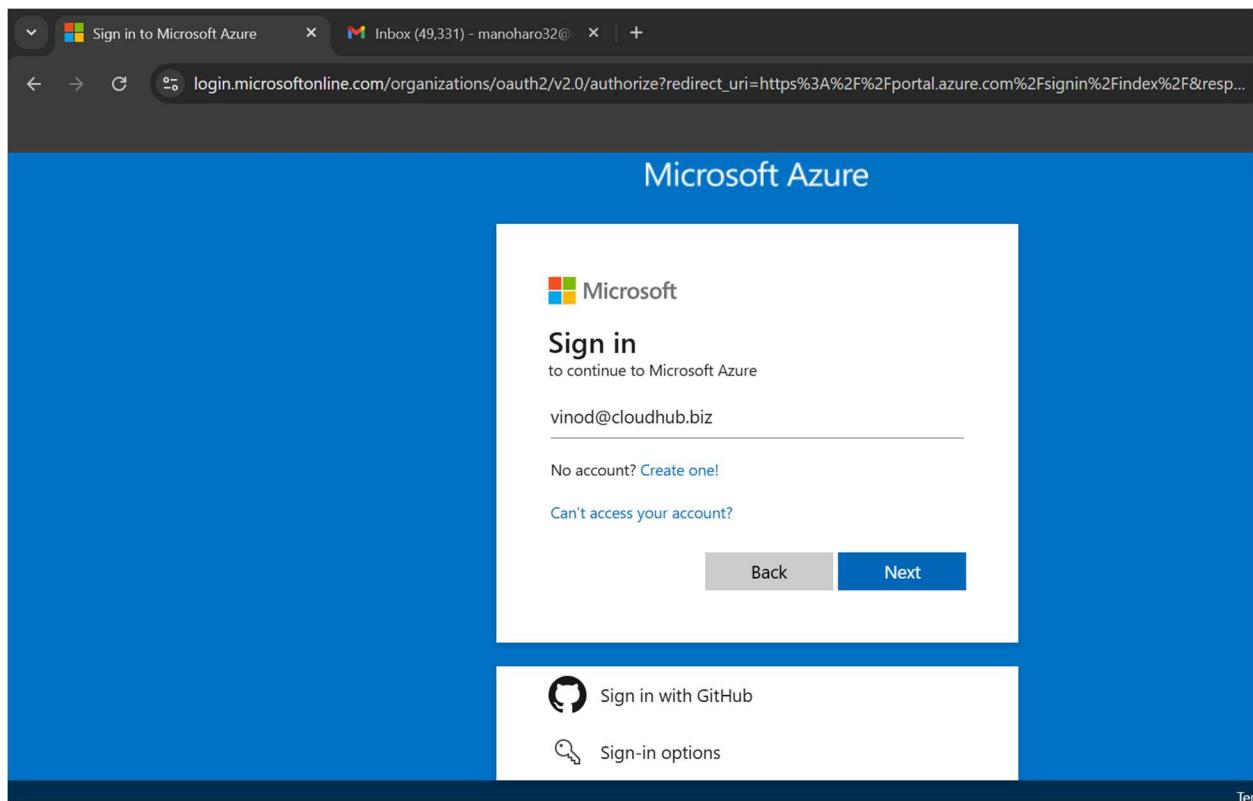
Go to Microsoft entraid and check if the on premise user synchronized to azure entra id.

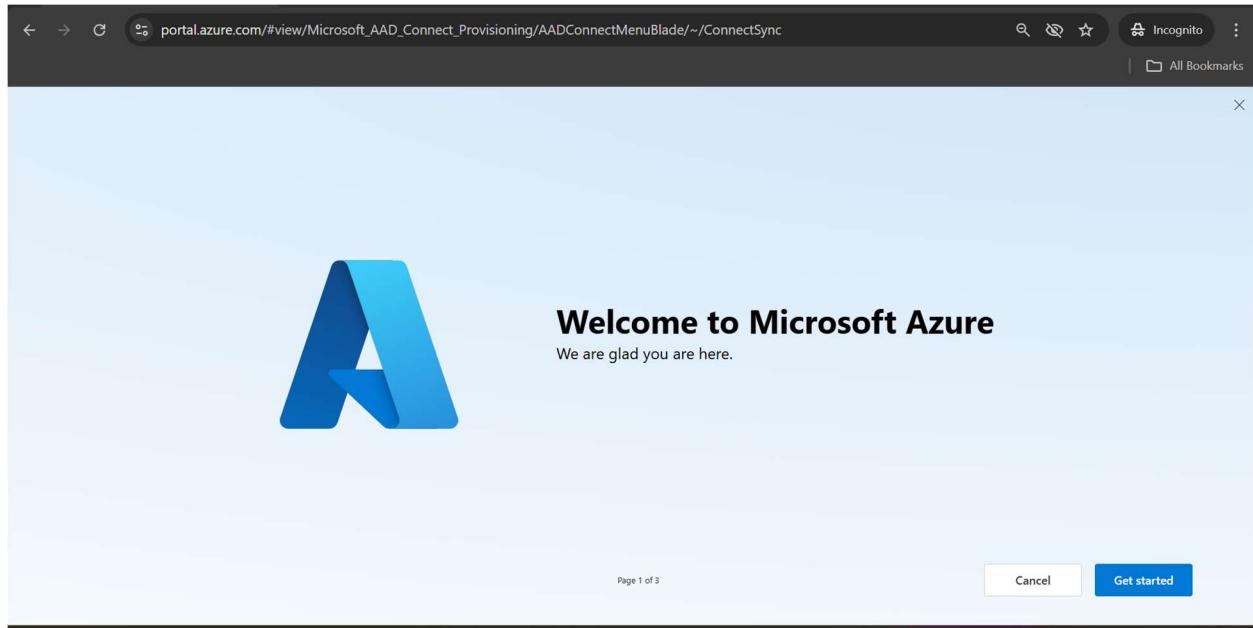
As per below screenshot on-premise user successfully synchronized to the azure entra id.

The screenshot shows the Microsoft Azure Users blade. The top navigation bar includes "Home > cloudhub.biz | Users > Users". The main content area displays a table of users:

Display name	User principal name	User type	On-premises sync	Identities	Company name	Creation type
global-admin	global-admin@maheshku...	Member	No	maheshkumar0091989@gmail.onmicrosoft.com		
MK	Mahesh Kumar	Member	No	MicrosoftAccount		
M	manohar	Member	No	maheshkumar0091989@gmail.onmicrosoft.com		
OD	On-Premises Directory Sync	Member	No	maheshkumar0091989@gmail.onmicrosoft.com		
OD	On-Premises Directory Sync	Member	Yes	maheshkumar0091989@gmail.onmicrosoft.com		
V	vinod	Member	Yes	maheshkumar0091989@gmail.onmicrosoft.com		

We can now login to the azure portal with the user credentials.





Logged in to the azure portal with the user credentials but currently the user don't have any permissions we can now go ahead and assign the required permissions/privileges to perform the required task.

A screenshot of the Microsoft Azure home page. The URL in the address bar is portal.azure.com/#home. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a 'Welcome to Azure!' section with three options: 'Start with an Azure free trial', 'Manage Microsoft Entra ID', and 'Access student benefits'. Each option has a 'Start', 'View', or 'Explore' button and a 'Learn more' link. Below this, there's a 'Azure services' section with icons for 'Create a resource', 'Quickstart Center', 'Azure AI services', 'Kubernetes services', 'Virtual machines', 'App Services', 'Storage accounts', 'SQL databases', 'Azure Cosmos DB', and a 'More services' button. At the bottom, there's a 'Resources' section with tabs for 'Recent' (which is selected) and 'Favorite', and a table for managing resources by Name, Type, and Last Viewed.

This complete the hands on assignment for the successfully synchronized on-prem user account to the azure entra id.

