



**slington college**  
(इस्लिङ्टन कलेज)

**Module Code & Module Title**  
**Level 5 – Operating Systems**

**Assessment Type**  
**Logbook 9**  
**Semester**  
**2024 Autumn**

**Student Name: Anshumala Bhandari**

**London Met ID: 23047472**

**College ID: NP01NT230149**

**Assignment Due Date: Thursday, January 2, 2025**

**Assignment Submission Date: Monday, December 30, 2024**

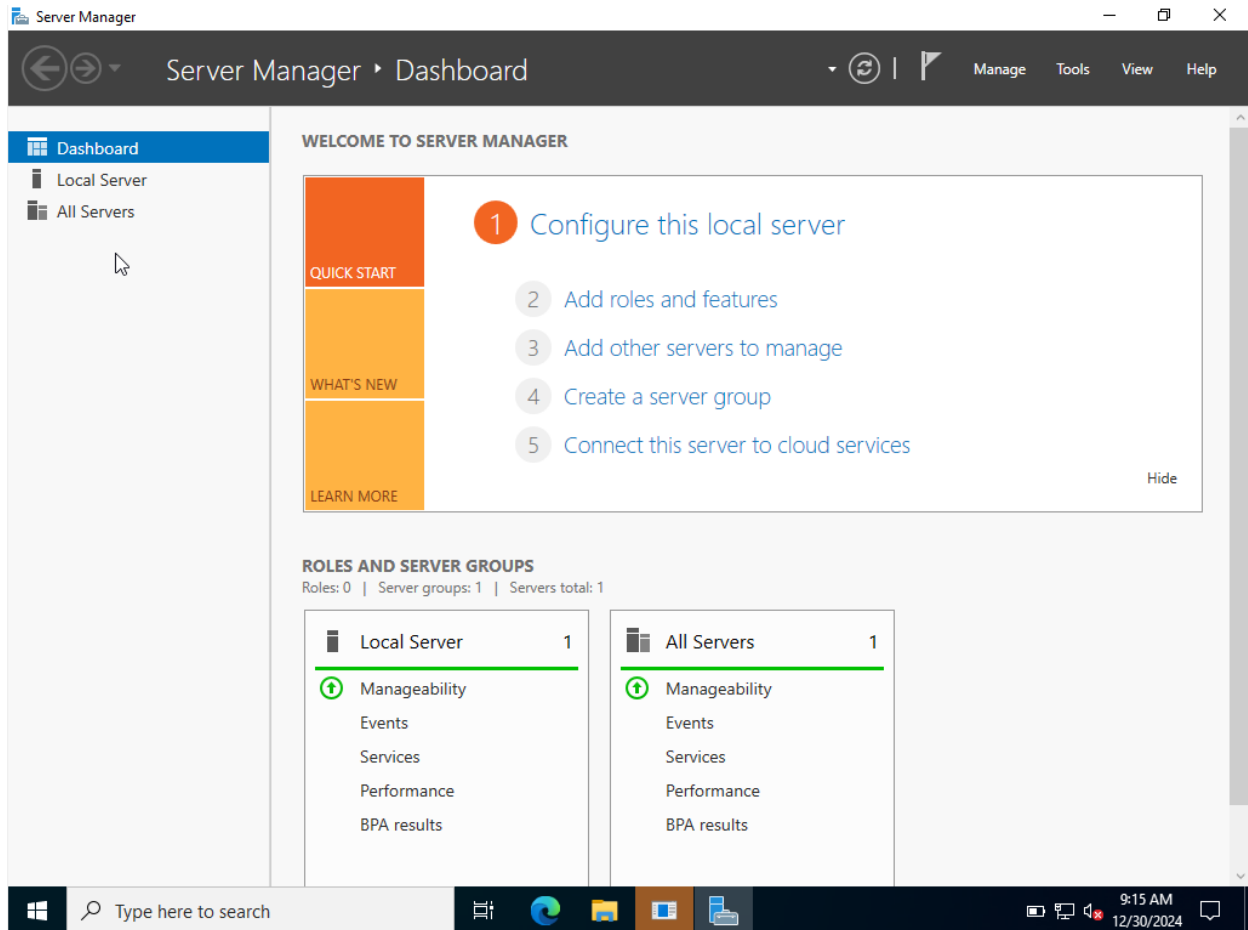
**Submitted To: Sarika Dahal**

**Word Count (Where Required): 301**

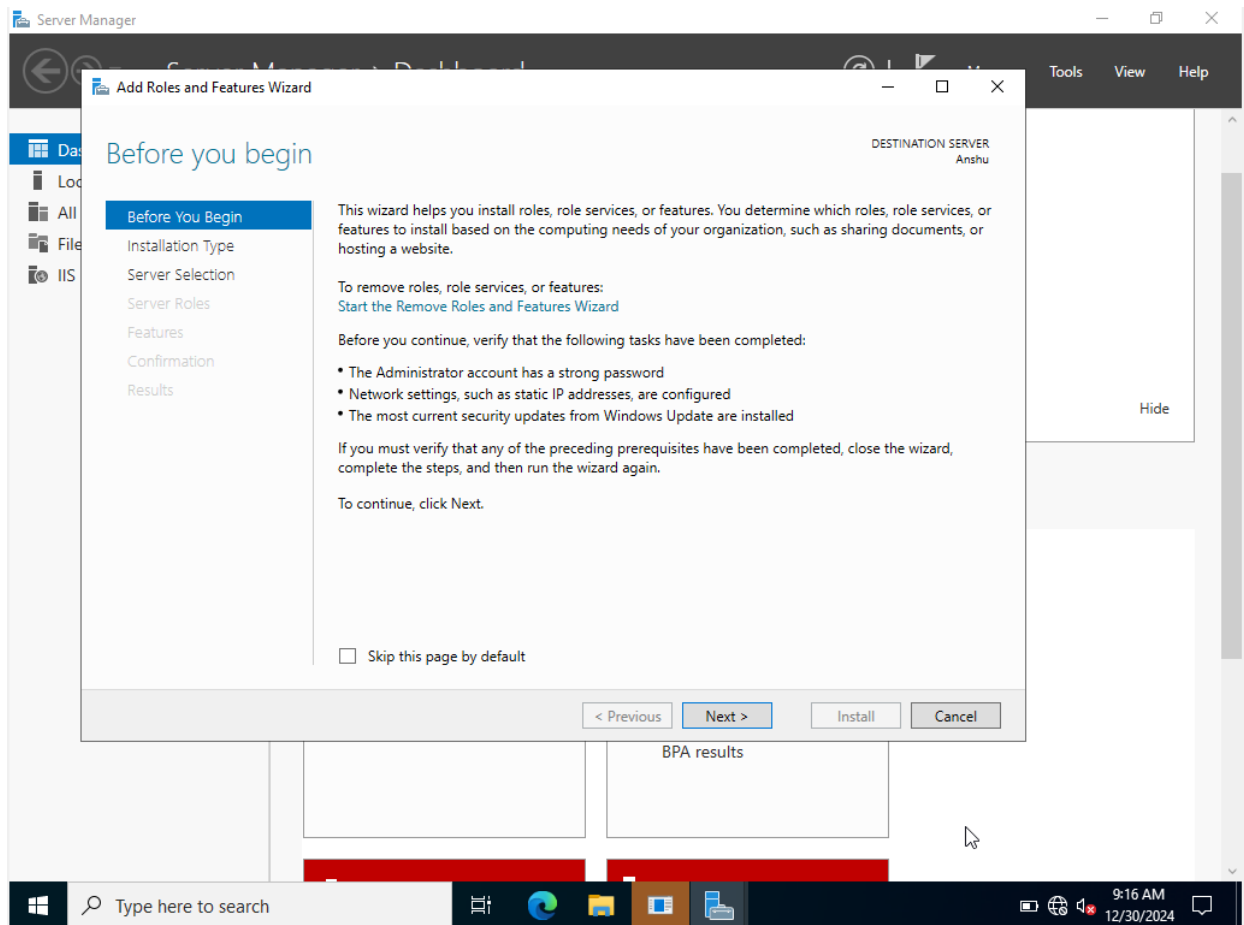
*I confirm that I understand my coursework needs to be submitted online via MST Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.*

# Installation of Active Directory Domain Services:

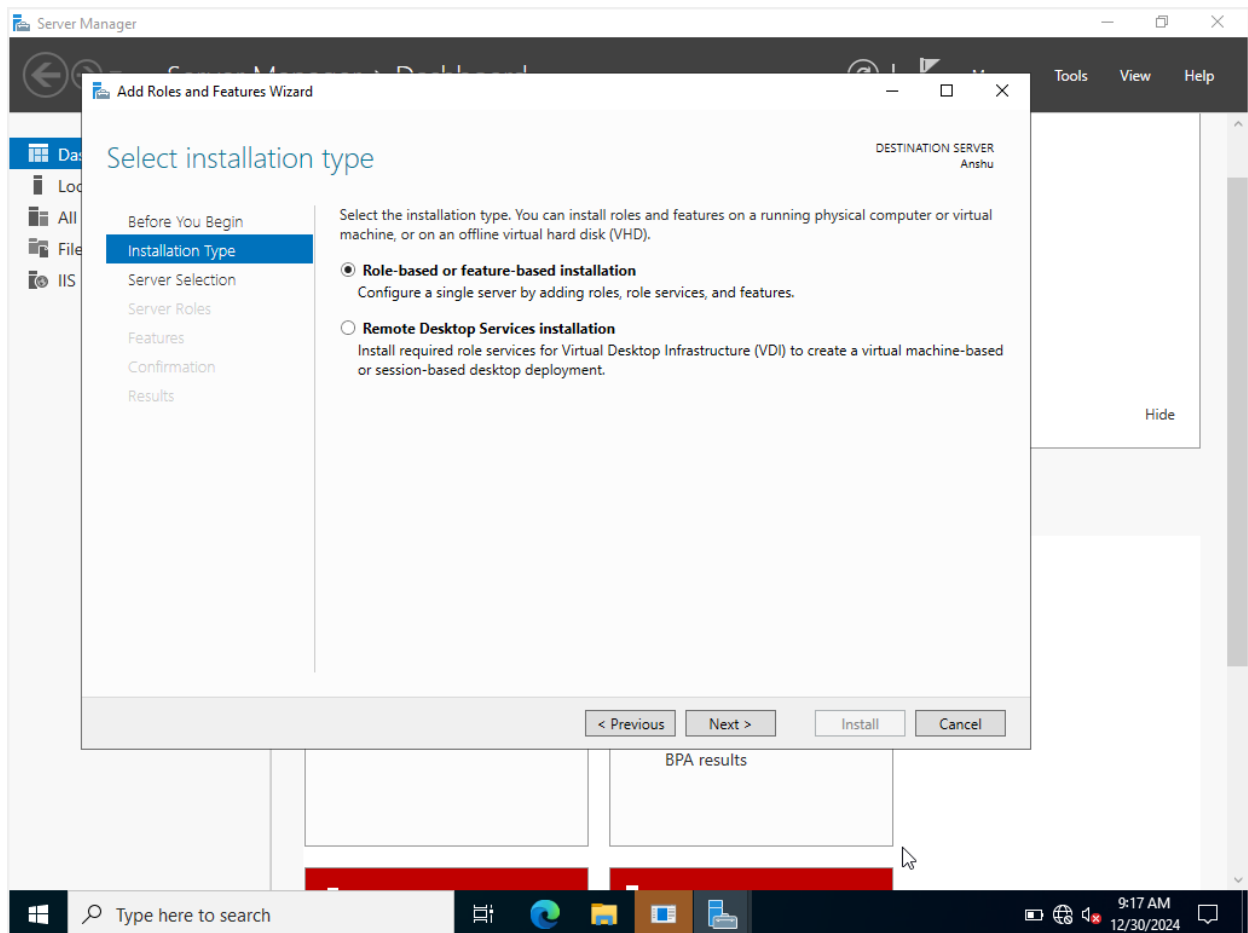
## Step 1: Go to the Dashboard.



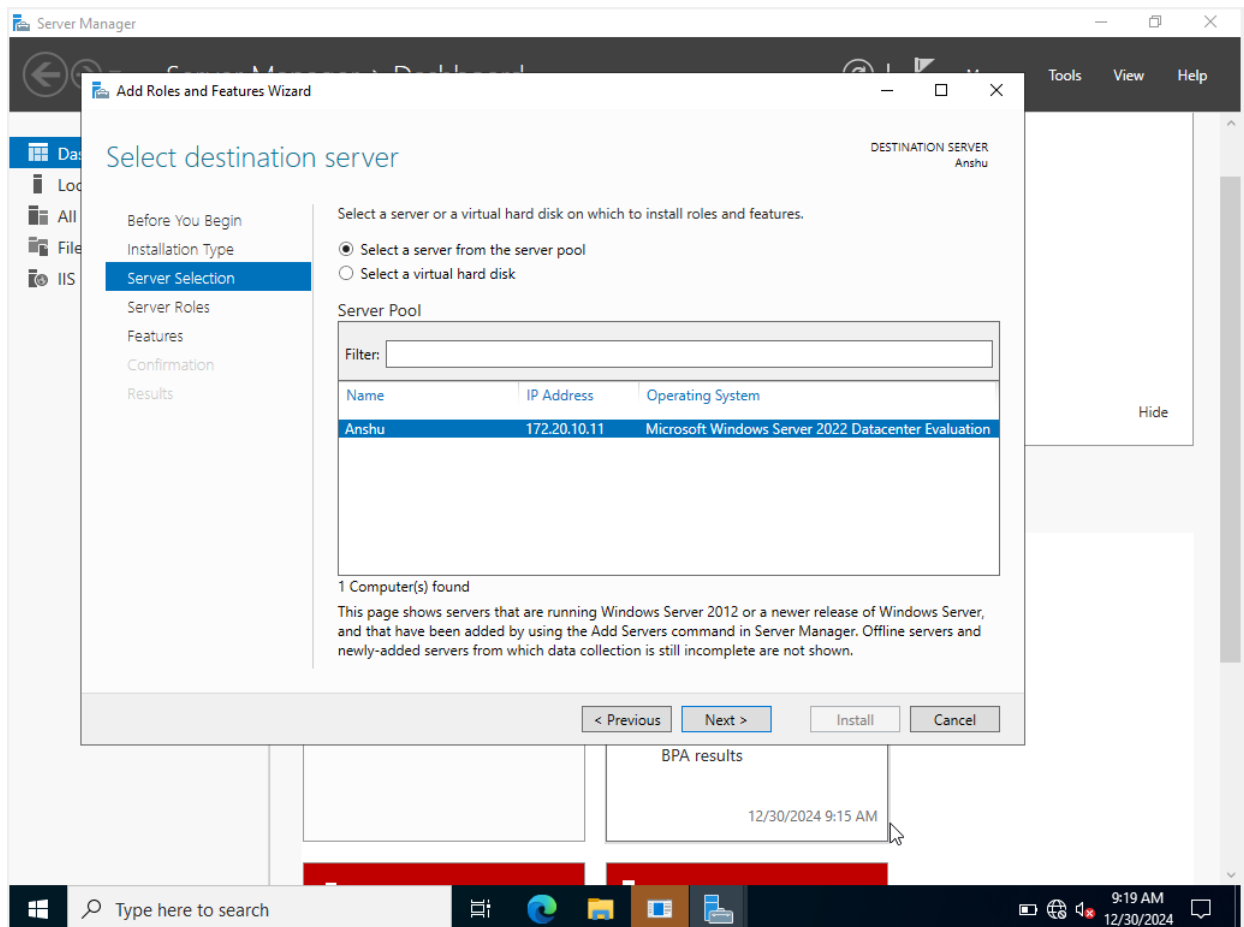
## Step 2: Click on the Add Roles and Features and go to next.



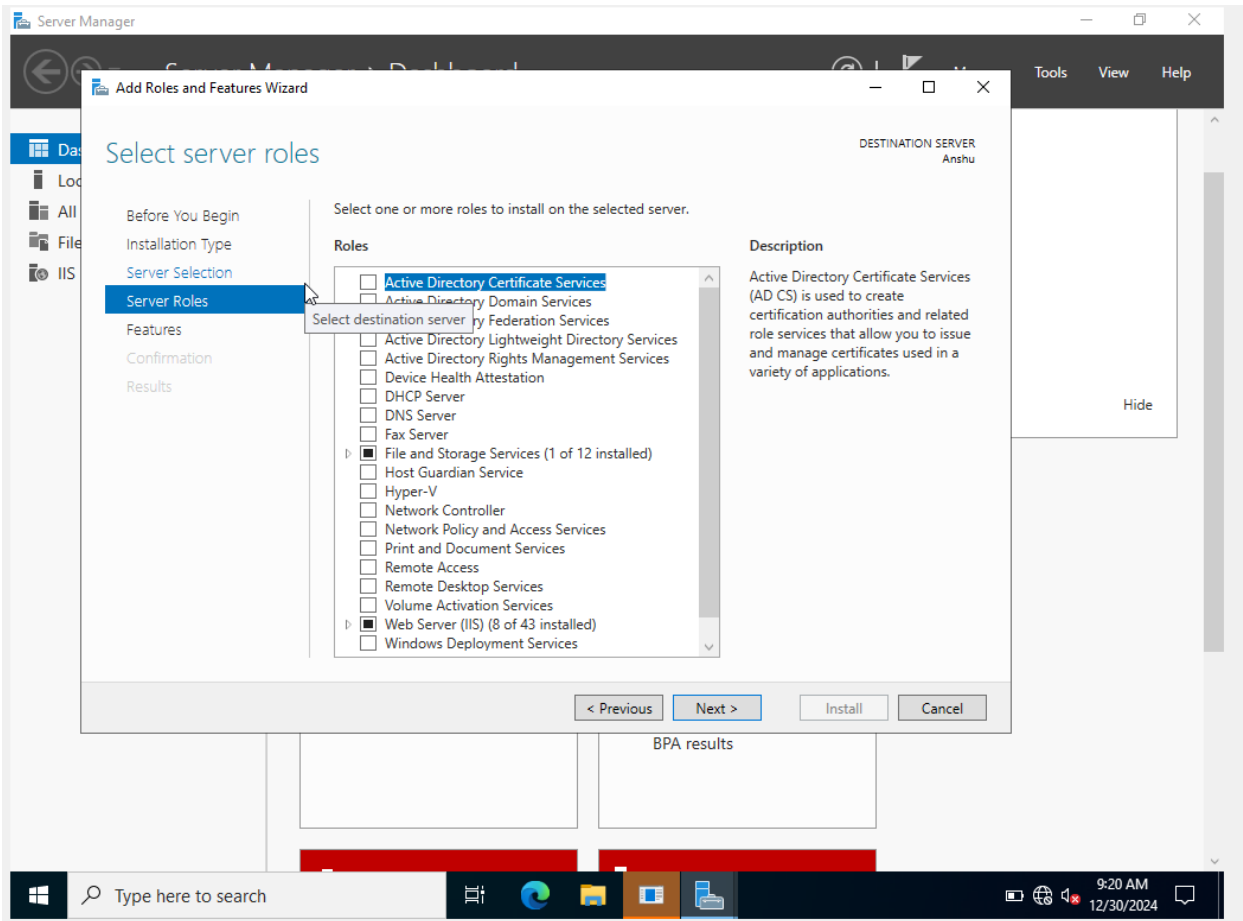
### Step 3: Select the installation type.



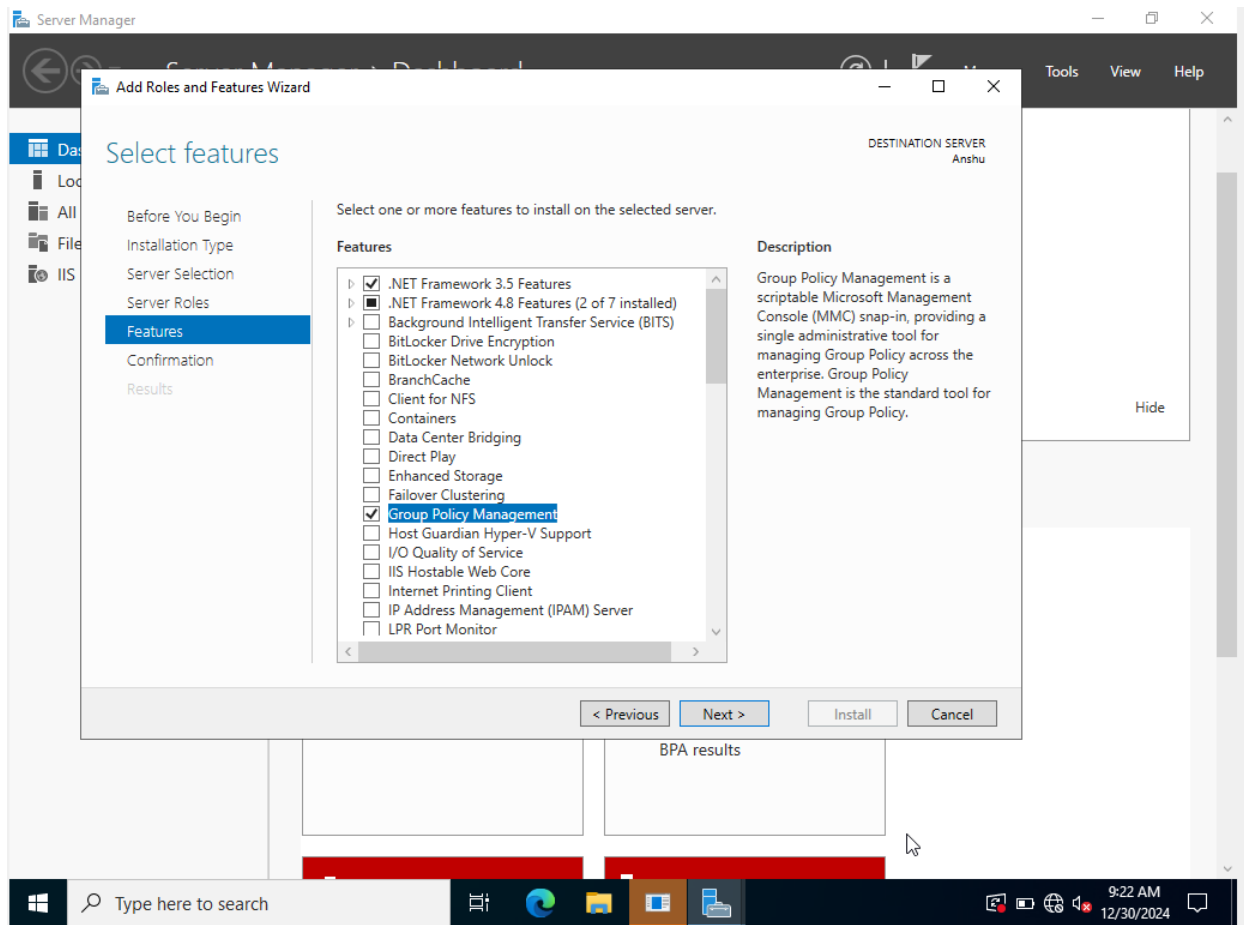
**Step 4: “Select a server from the server pool” and click on the Next button.**



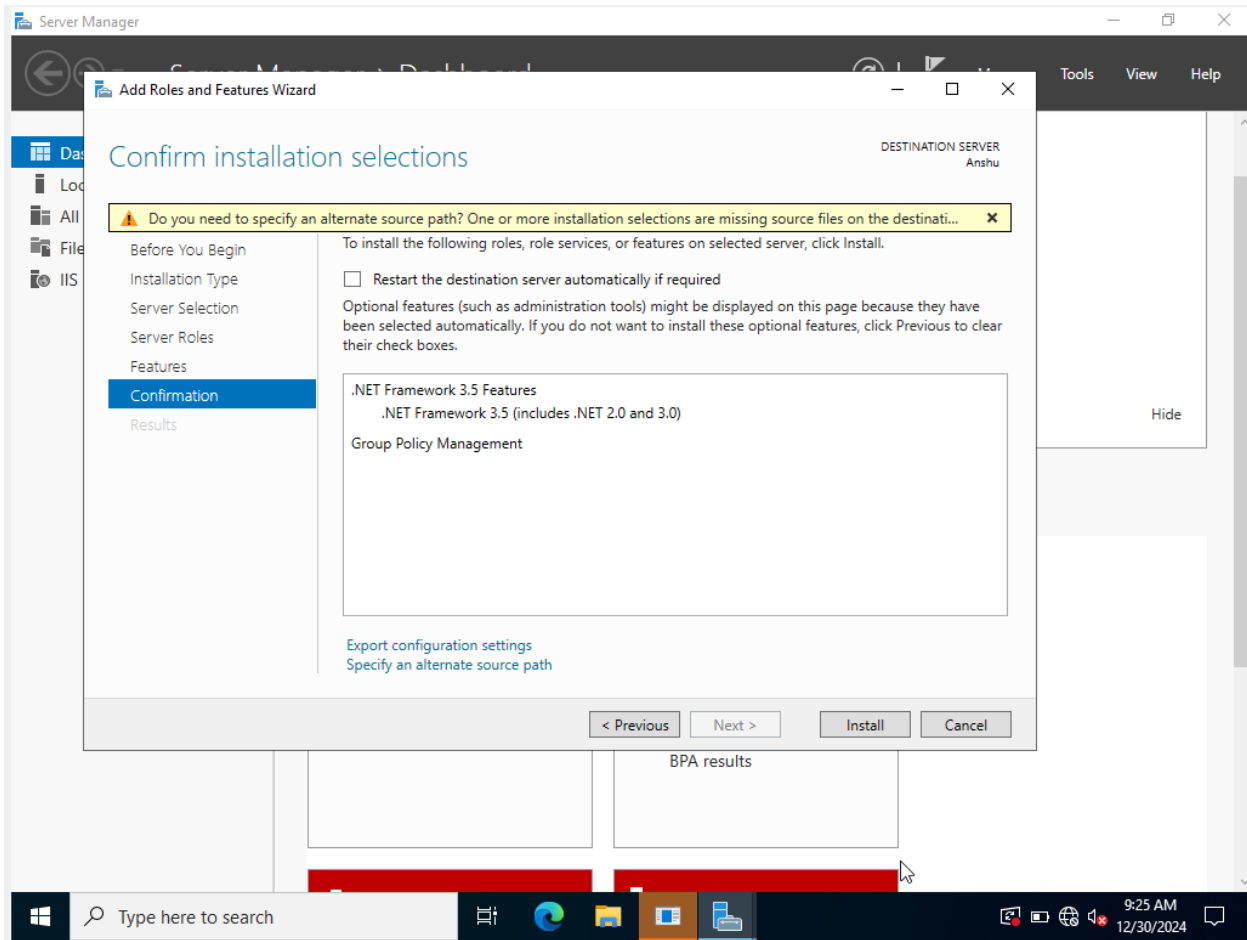
## Step 5: Select Active Directory Domain Services and click on the Next button.



**Step 6: Leave all default settings and click on the Next button.**

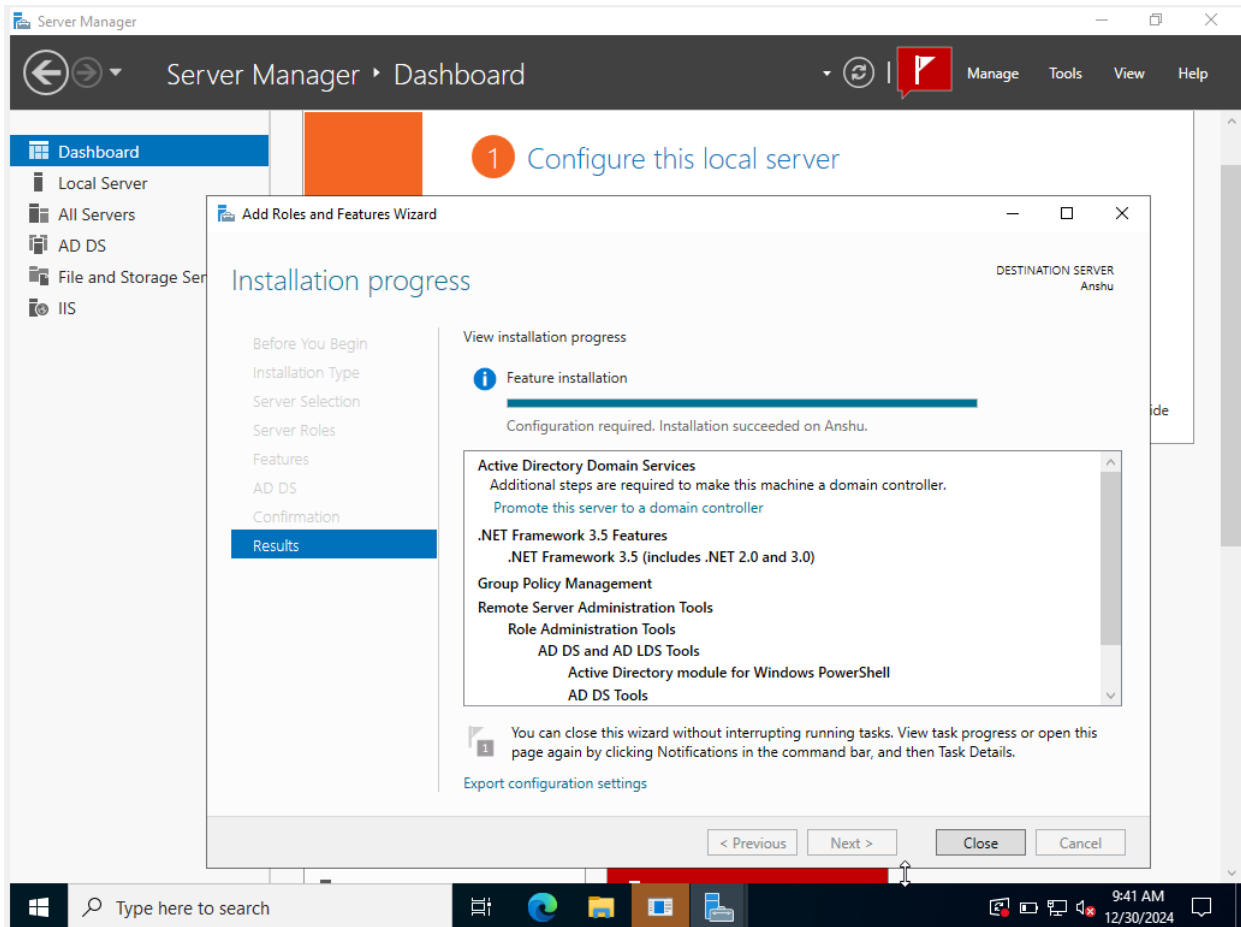


**Step 7: Click on the Install button to start the installation.**

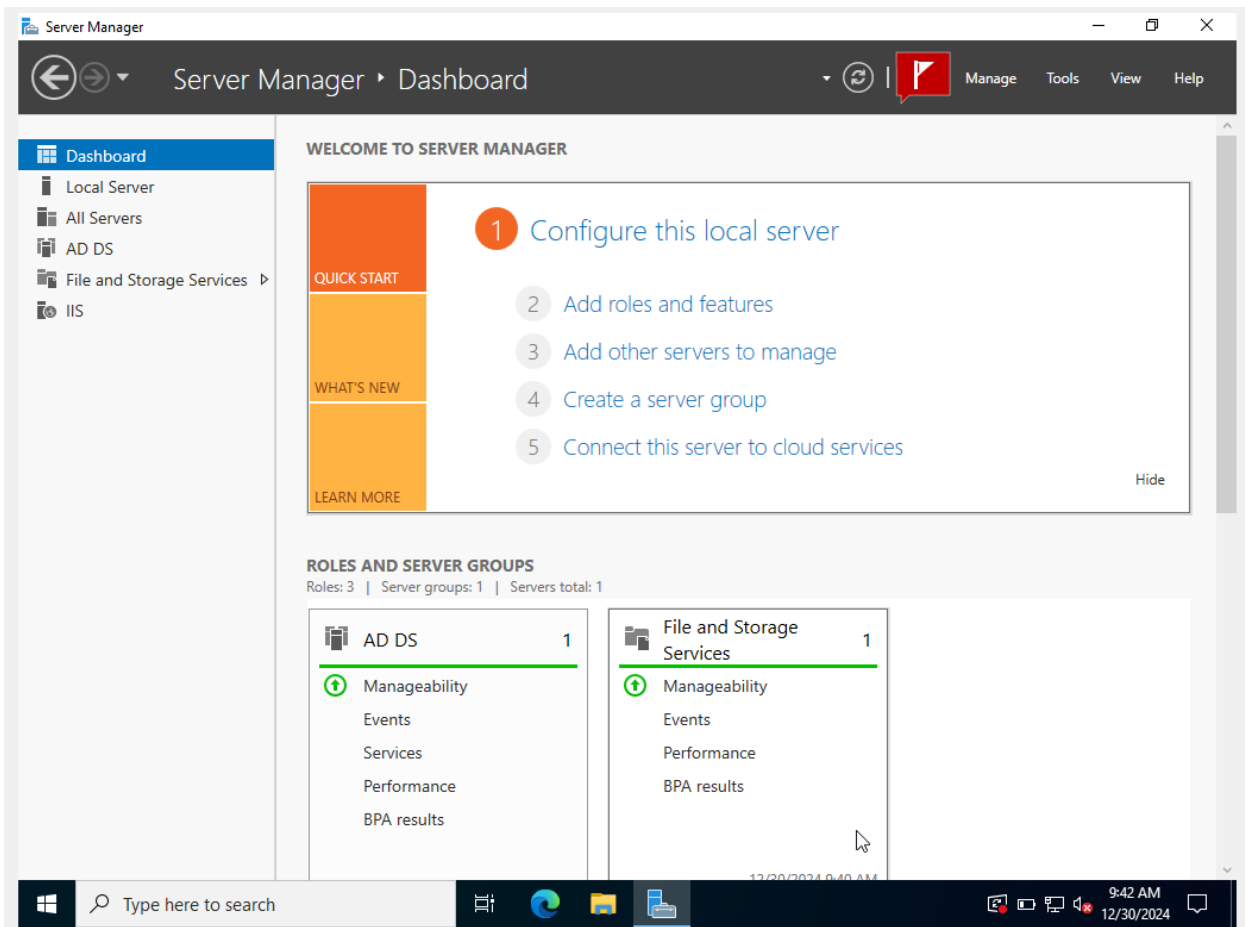




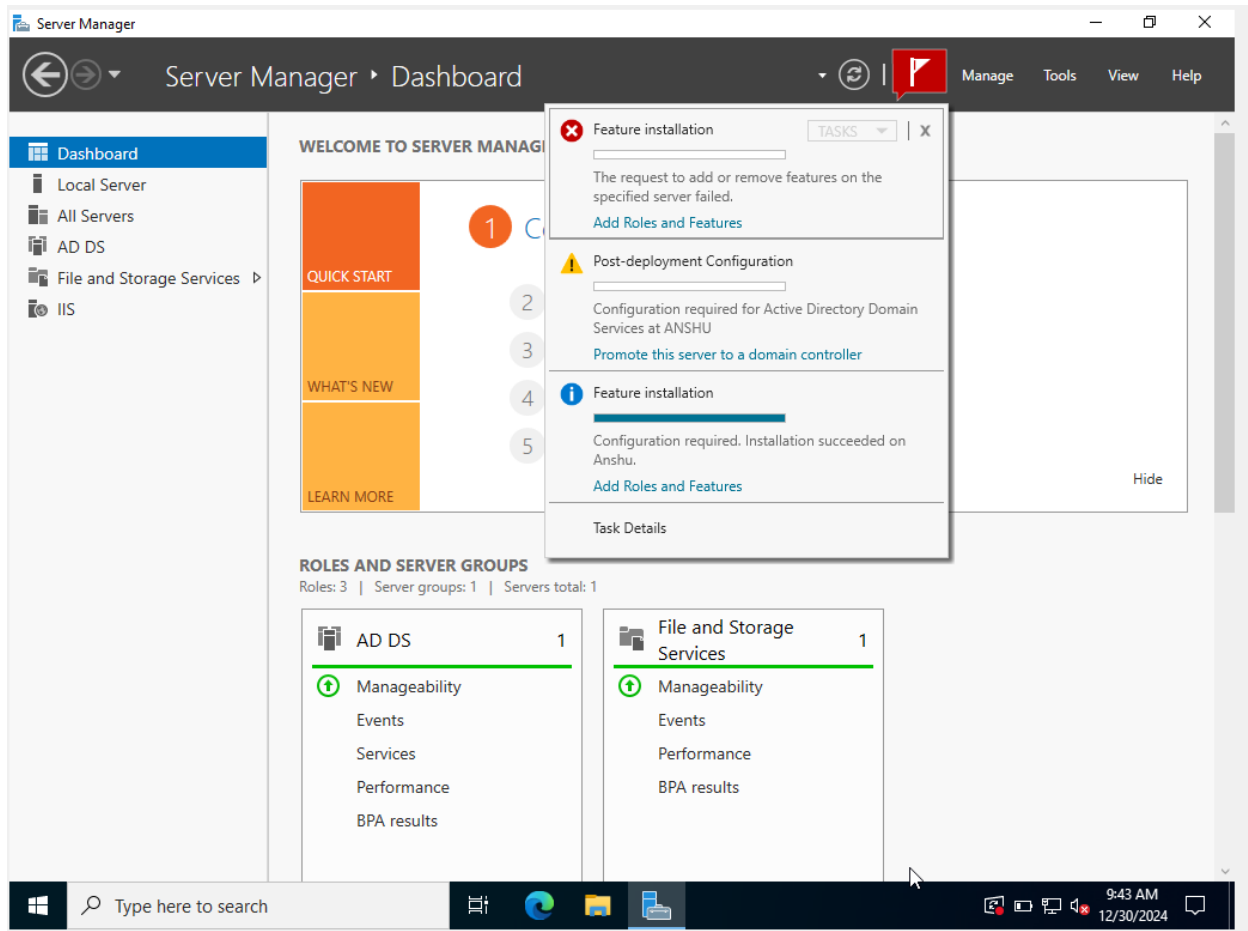
**Step 8: Once the installation has been finished, Click on the close button.**



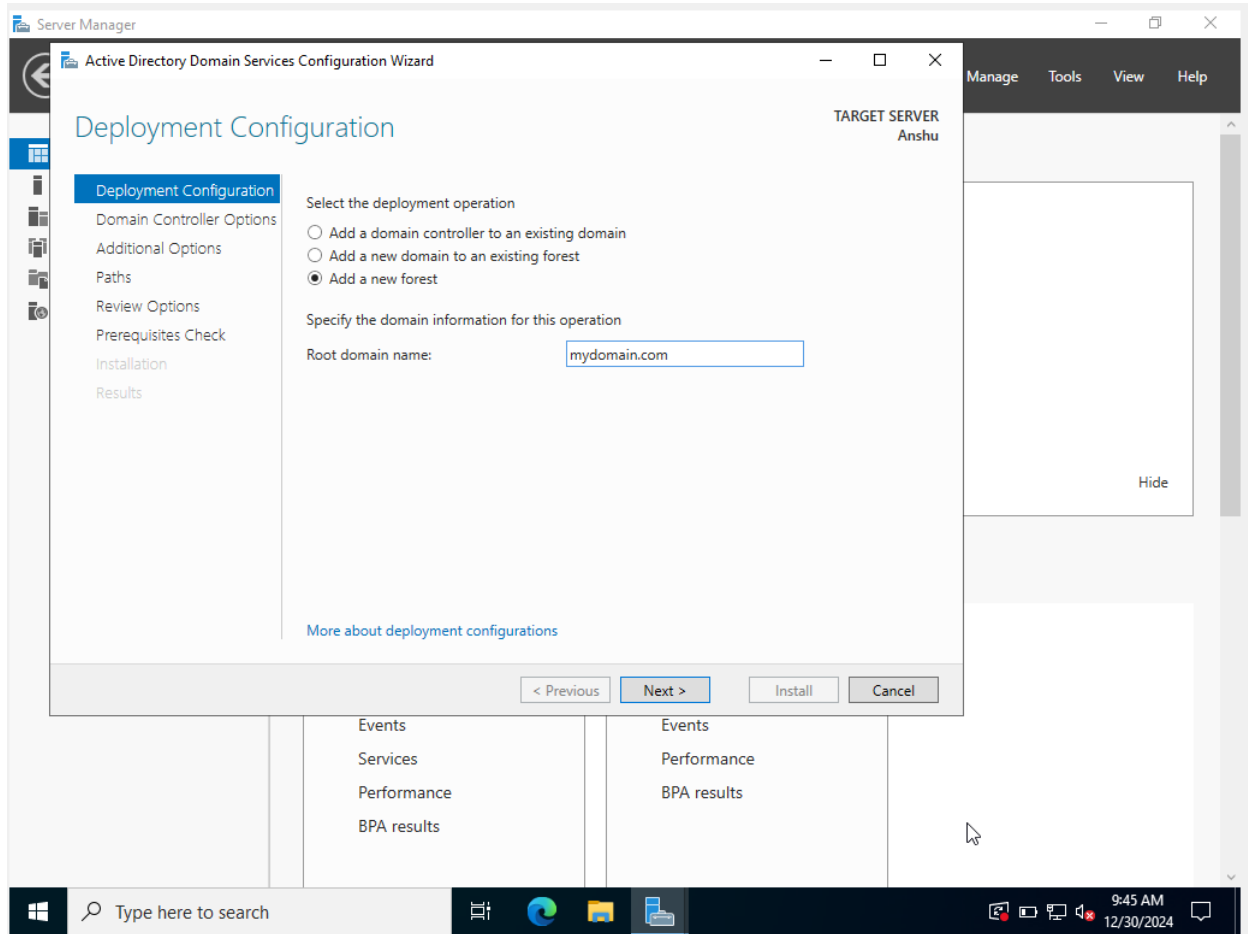
**Step 9: The following page will be shown, then click on the red flag.**



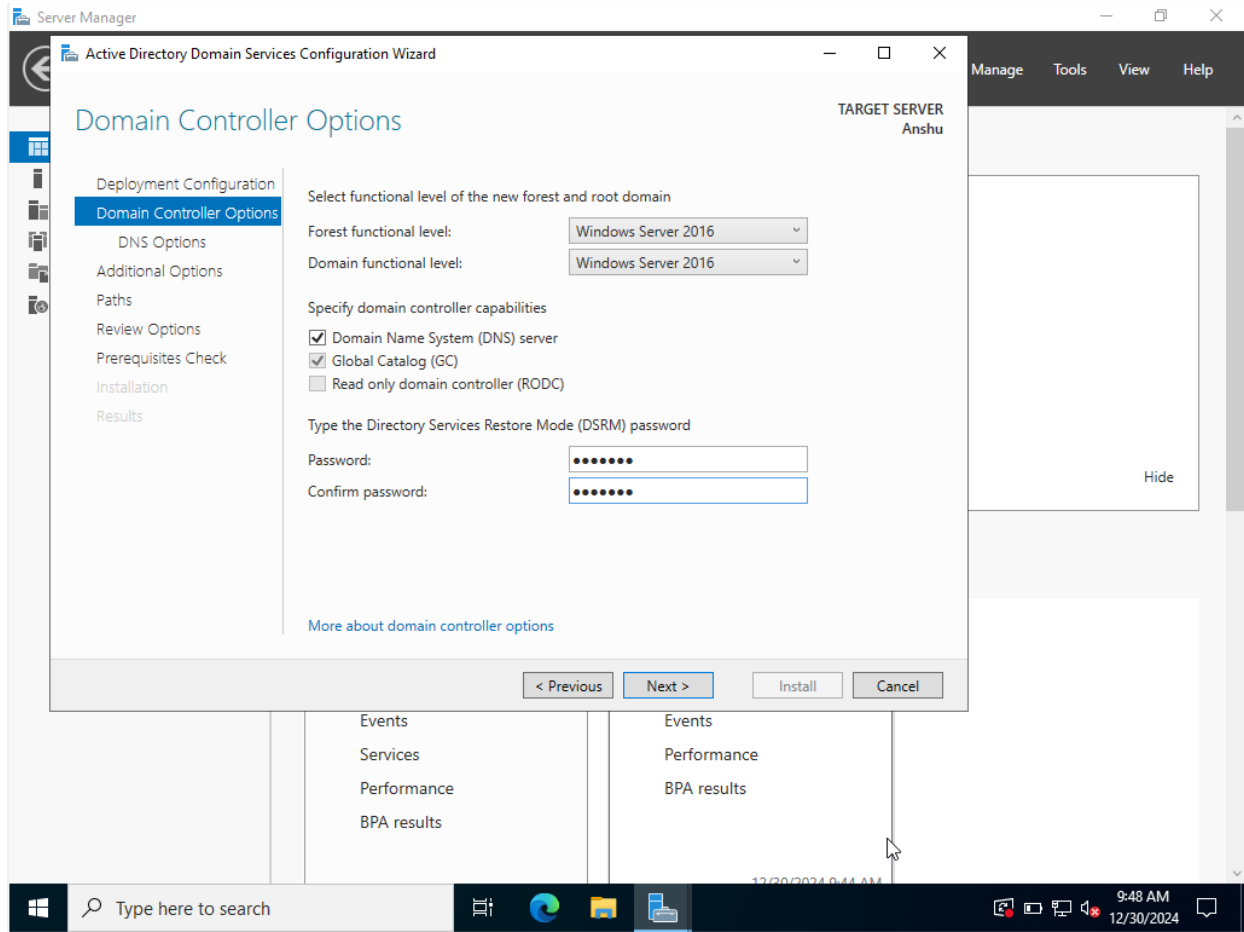
**Step 10: Click on “Promote this server to a domain controller”.**



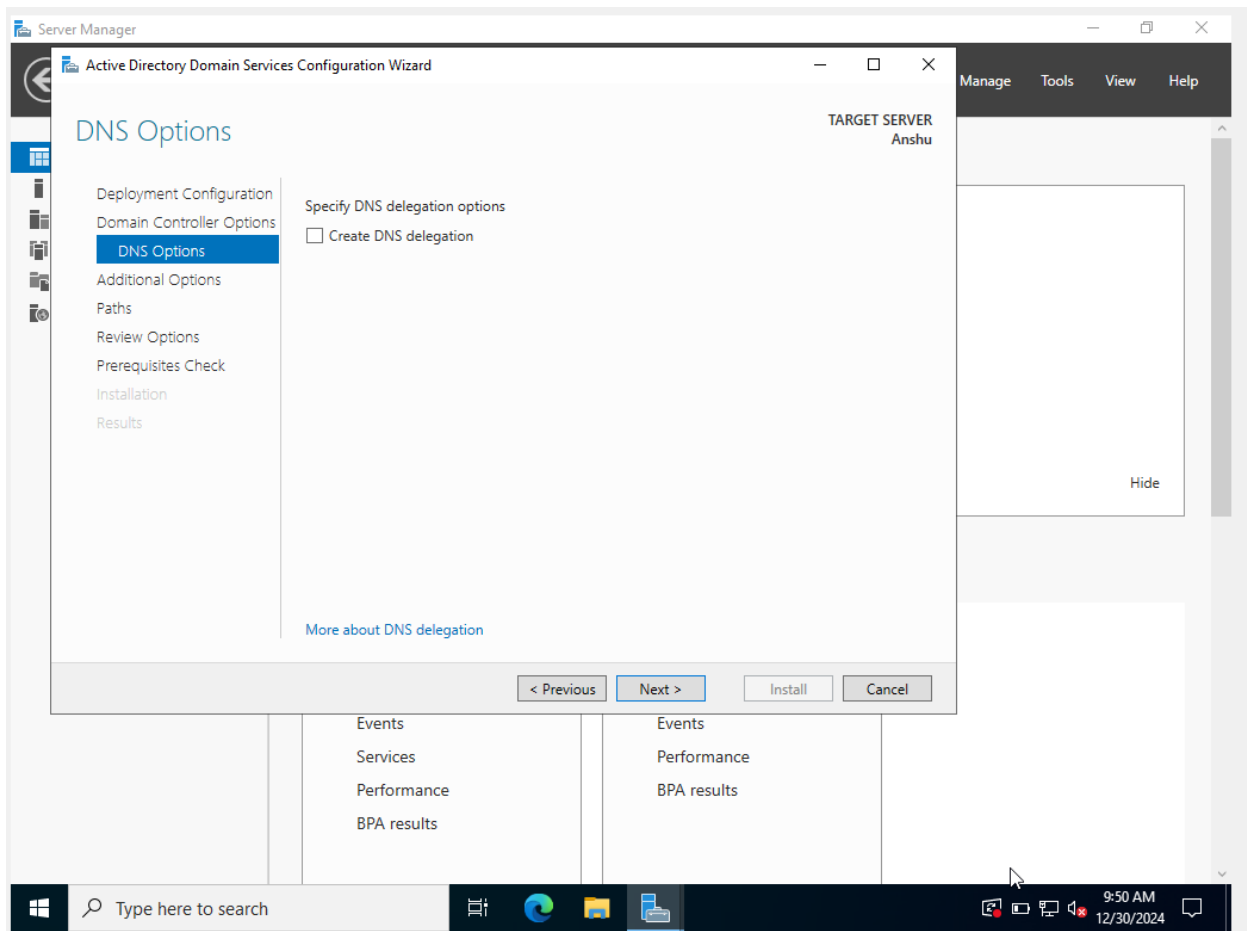
**Step 11: Select add a new forest, define the domain name and click on the Next button.**



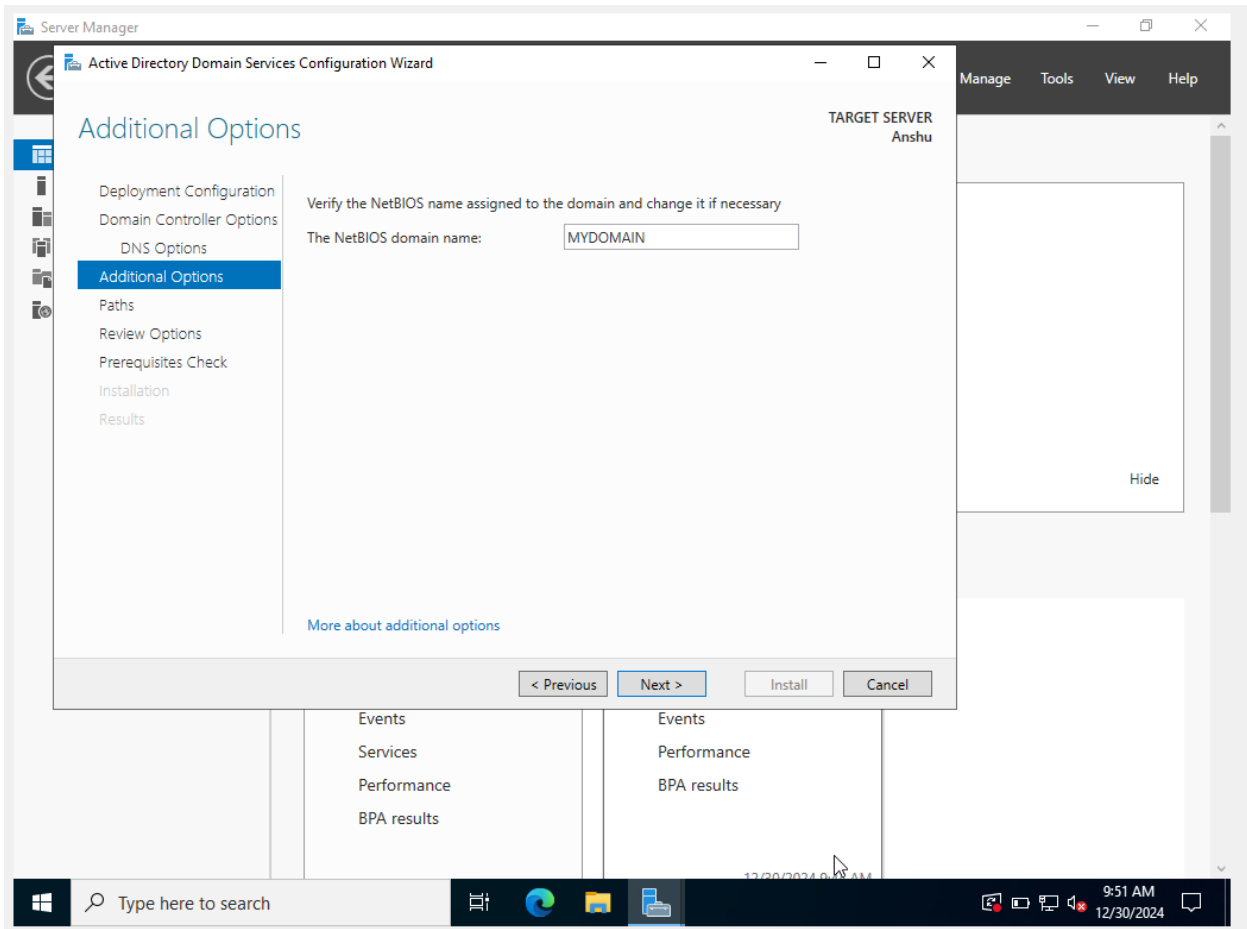
**Step 12: Define the directory service restore mode password and click on the Next button.**



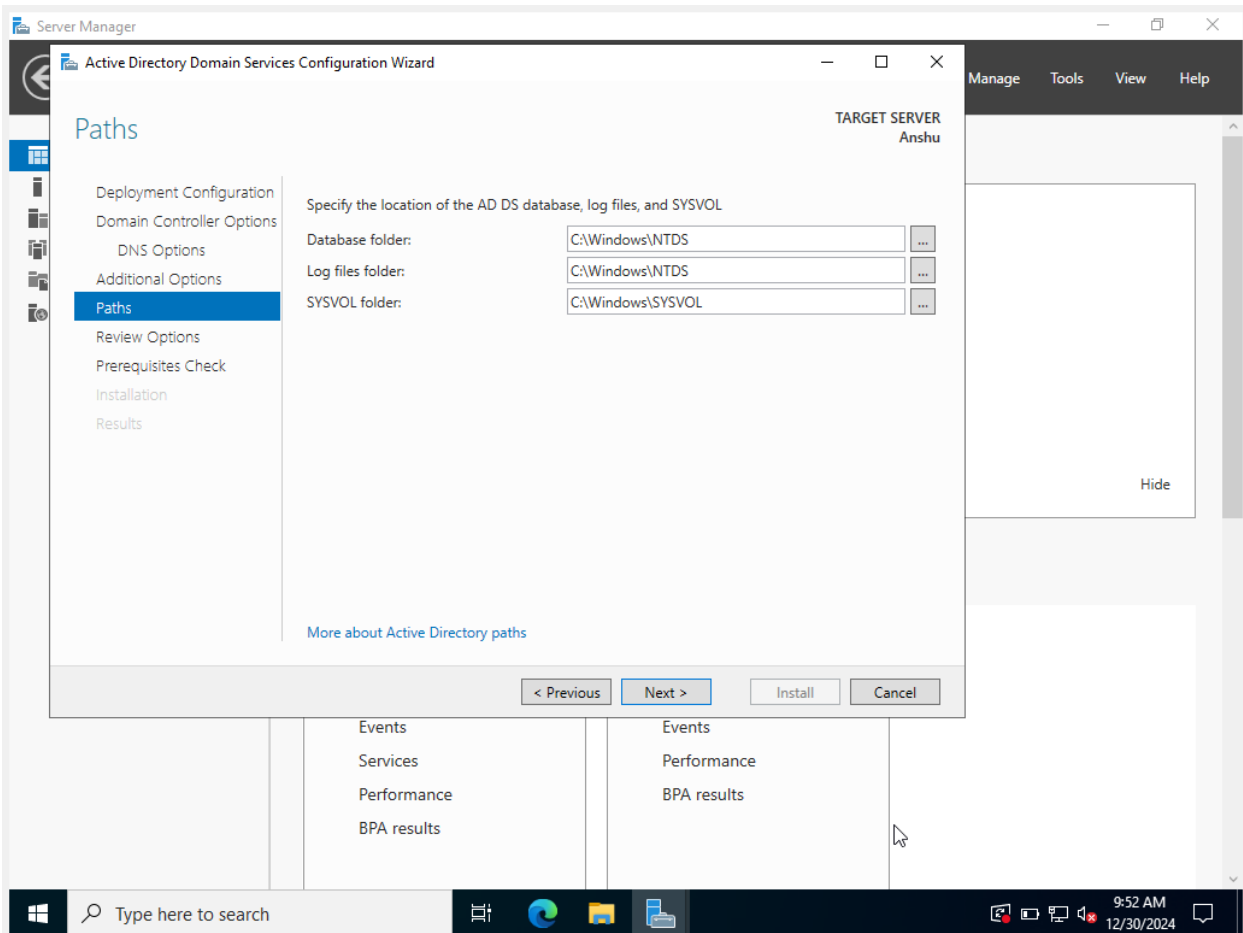
**Step 13: Leave the default configuration and click on the Next button.**



**Step 14: Set the NetBIOS name and click on the Next button.**

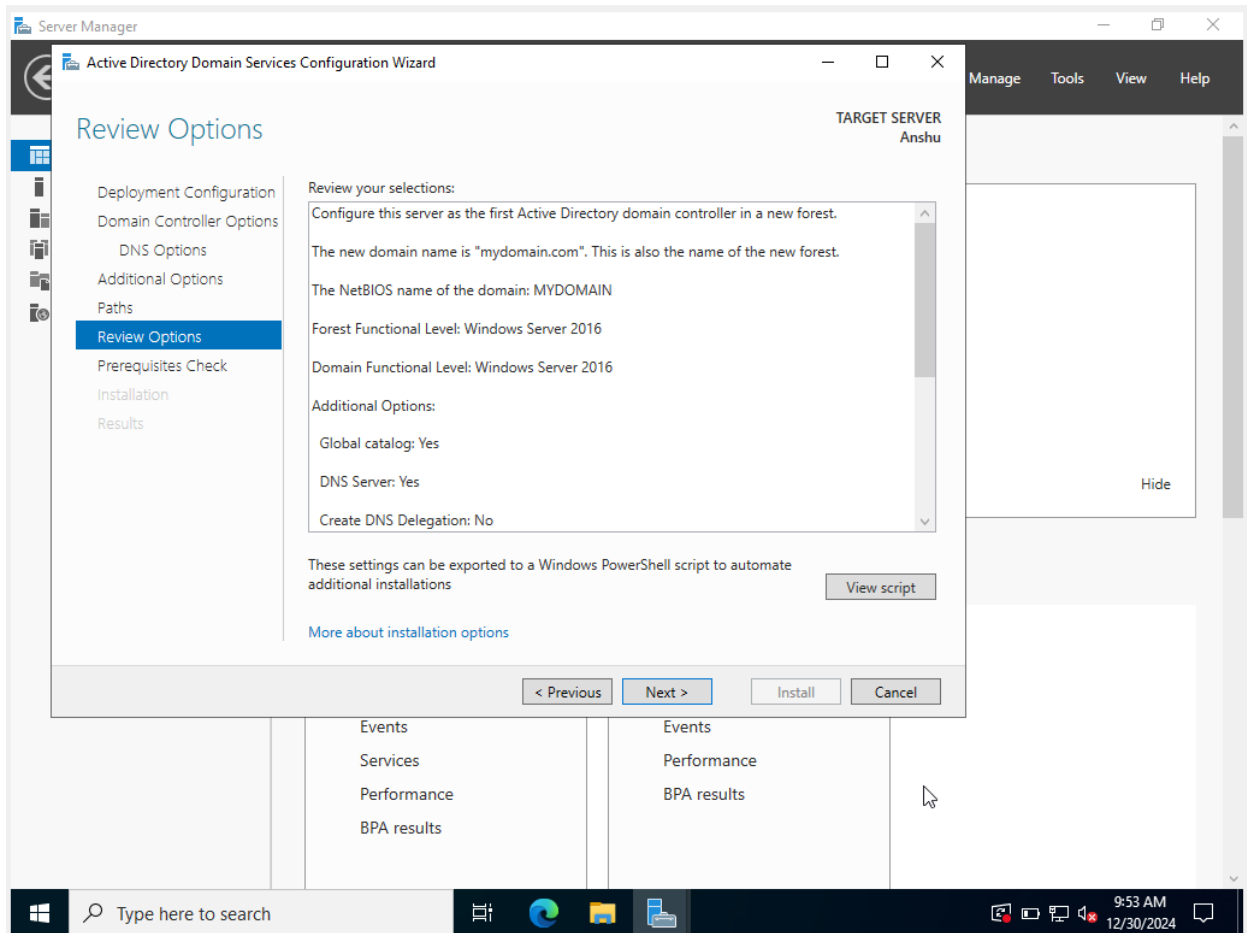


**Step 15: Leave the default path as it is and click on the Next button.**

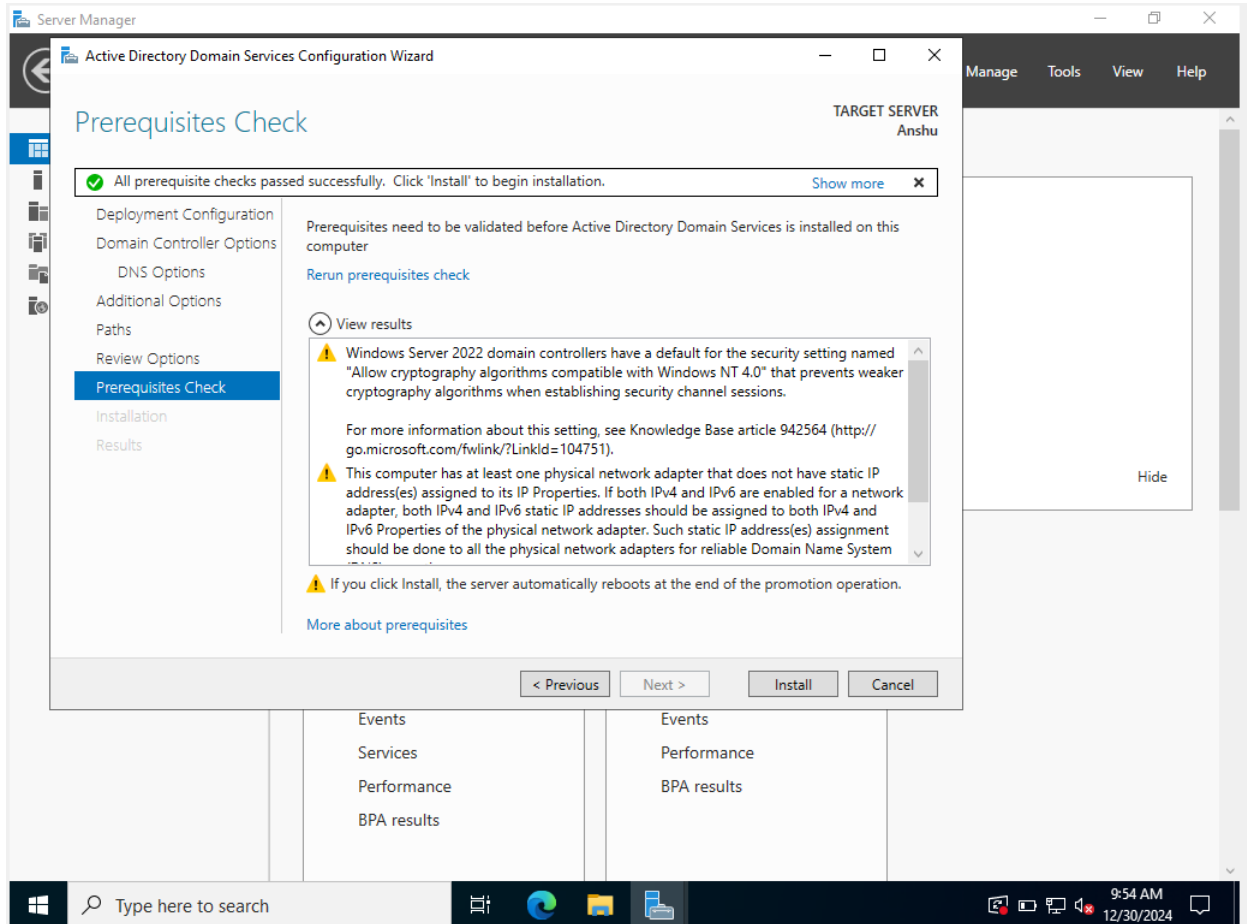




**Step 16: Review all the configurations and click on the Next button.**

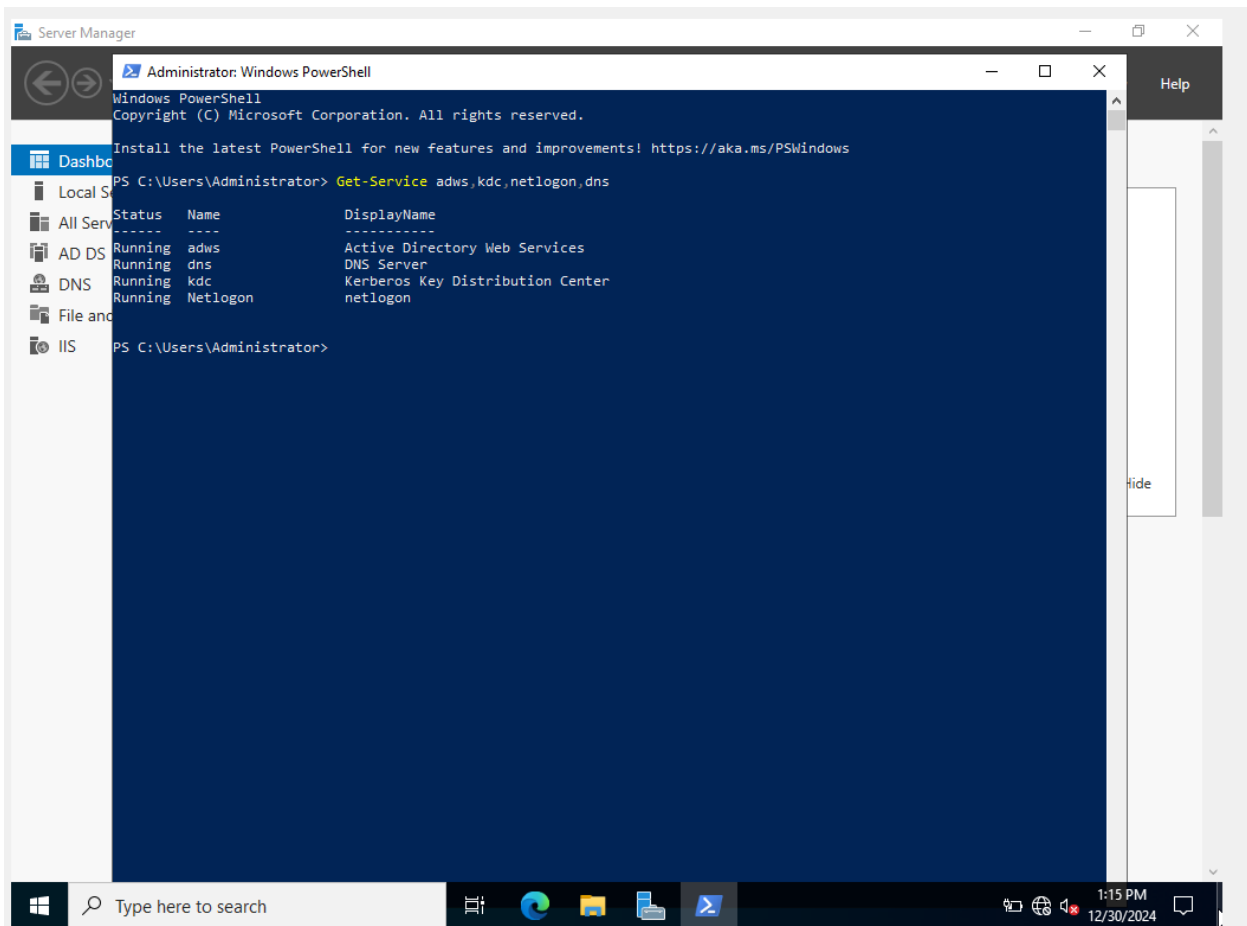


**Step 17: Make sure all prerequisite checks are passed successfully then click on the Install button.**



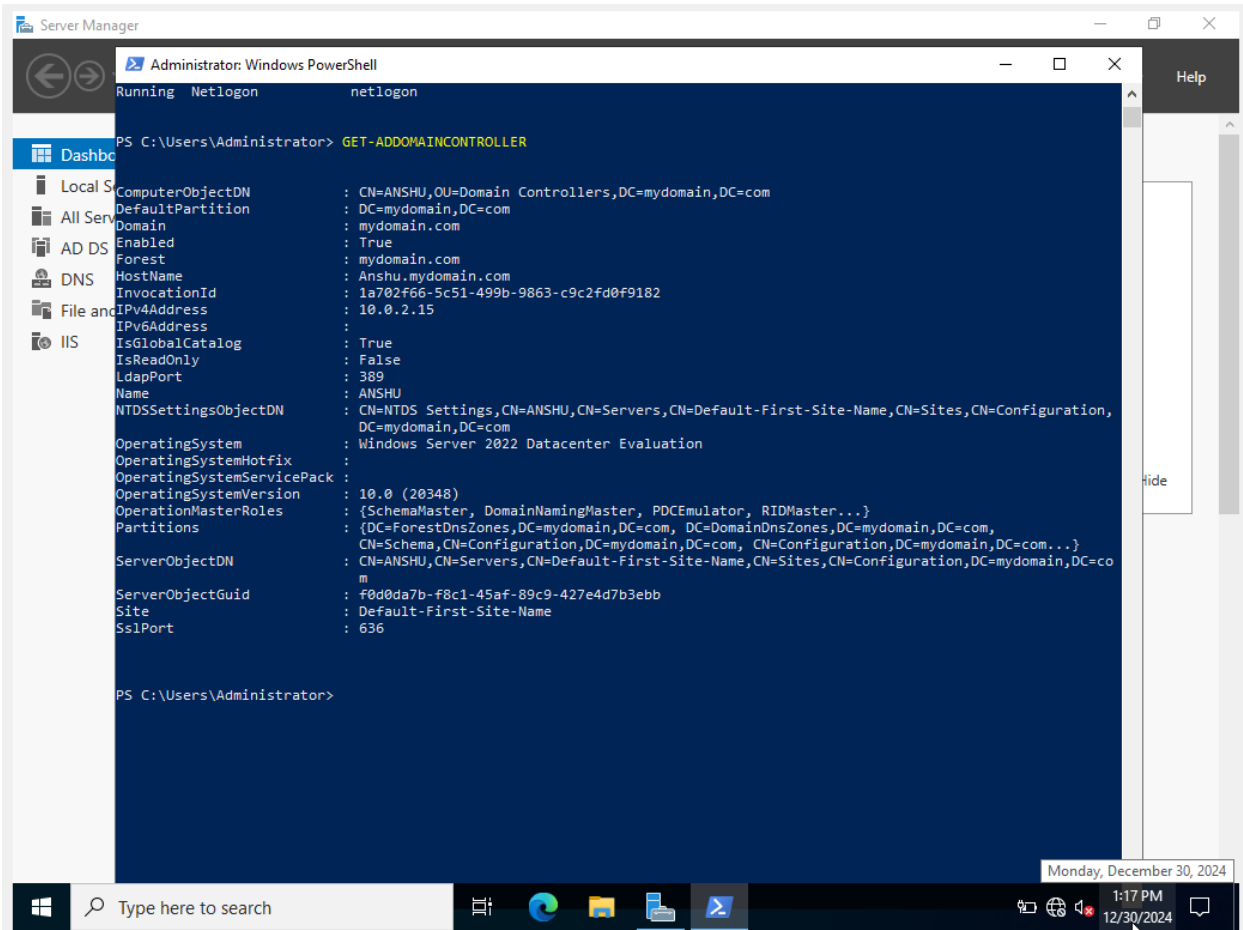
**Step 18: After the installation has been finished the system will be restarted automatically, then go to the Windows PowerShell to confirm the successful installation of the services and run the following command;**

**Get-Service adws,kdc,netlogon,dns**



**Step 19: To display all the configuration details of the domain controller, run the following command:**

**Get-ADDomainController**



The screenshot shows a Windows Server 2022 desktop environment. The 'Server Manager' window is open, displaying the 'Administrator: Windows PowerShell' console. The command `Get-ADDomainController` has been executed, and the output displays the configuration details of the domain controller. The output is as follows:

```
PS C:\Users\Administrator> GET-ADDOMAINCONTROLLER

Running Netlogon netlogon

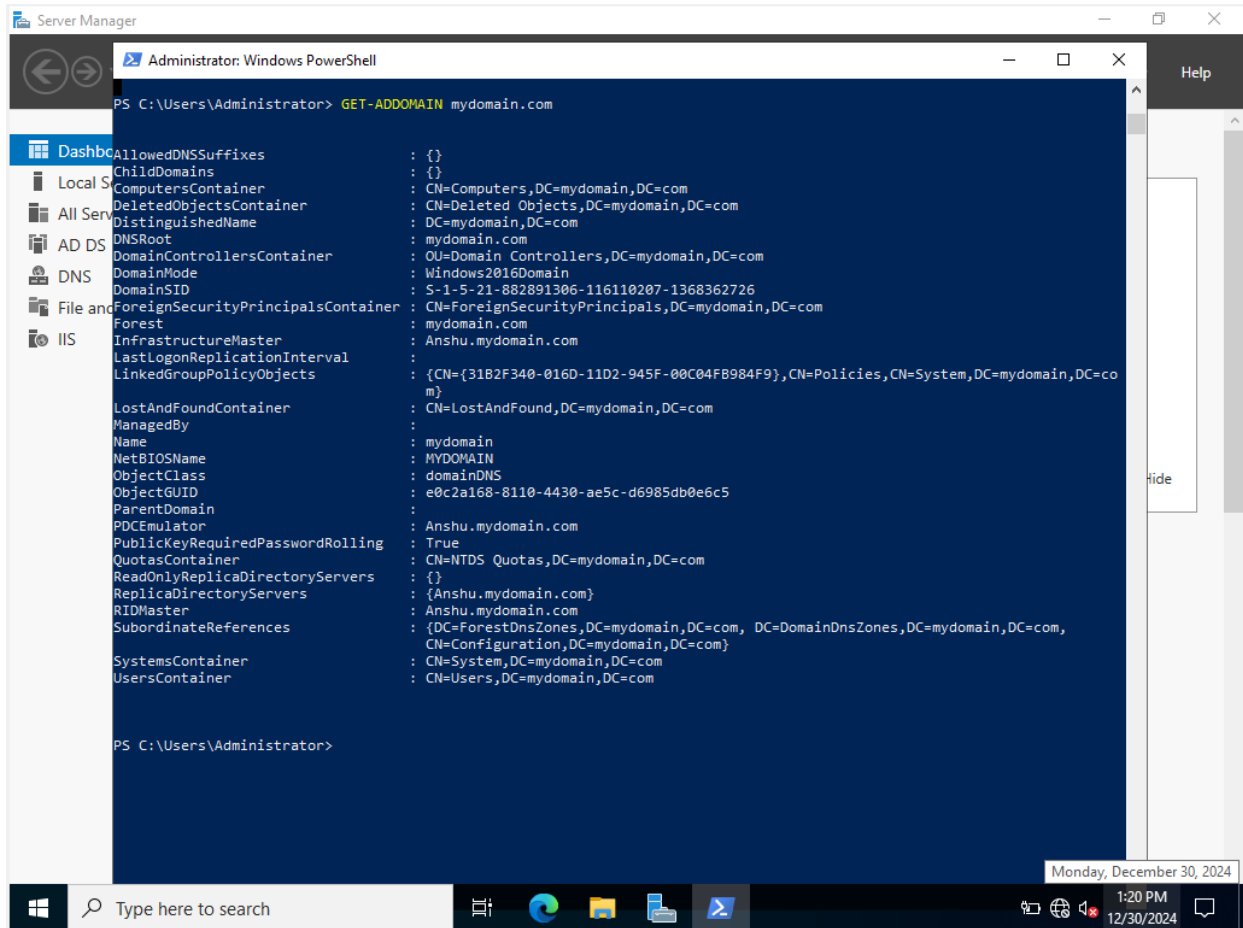
ComputerObjectDN : CN=ANSHU,OU=Domain Controllers,DC=mydomain,DC=com
DefaultPartition : DC=mydomain,DC=com
Domain           : mydomain.com
Enabled          : True
Forest           : mydomain.com
HostName         : Anshu.mydomain.com
InvocationId     : 1a702f66-5c51-499b-9863-c9c2fd0f9182
IPv4Address      : 10.0.2.15
IPv6Address      :
IsGlobalCatalog : True
IsReadOnly       : False
LdapPort         : 389
Name             : ANSHU
NTDSSettingsObjectDN : CN=NTDS Settings,CN=ANSHU,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=mydomain,DC=com
OperatingSystem  : Windows Server 2022 Datacenter Evaluation
OperatingSystemHotfix :
OperatingSystemServicePack :
OperatingSystemVersion : 10.0 (20348)
OperationMasterRoles : {SchemaMaster, DomainNamingMaster, PDCEmulator, RIDMaster...}
Partitions       : {DC=ForestDnsZones,DC=mydomain,DC=com, DC=DomainDnsZones,DC=mydomain,DC=com, CN=Schema,CN=Configuration,DC=mydomain,DC=com, CN=Configuration,DC=mydomain,DC=com...}
ServerObjectDN   : CN=ANSHU,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=mydomain,DC=com
ServerObjectGuid : f0d0da7b-f8c1-45af-89c9-427e4d7b3ebb
Site             : Default-First-Site-Name
SslPort          : 636

PS C:\Users\Administrator>
```

The taskbar at the bottom shows the Windows logo, a search bar with the text 'Type here to search', and several application icons. The system clock in the bottom right corner indicates the date and time as 'Monday, December 30, 2024' and '1:17 PM 12/30/2024'.

**Step 20: To get detailed information about the domain, run the following command:**

**Get-ADDomain mydomain.com**



The screenshot shows a Windows Server Manager window with a PowerShell console open. The console displays the output of the command `Get-ADDomain mydomain.com`. The output lists various domain properties and their values, including DNS suffixes, containers, distinguished names, domain mode, SID, security principals, forest information, infrastructure master, replication intervals, linked group policy objects, lost and found container, managed by, name, NetBIOS name, object class, object GUID, parent domain, PDC emulator, public key required password rolling, quotas container, read-only replica directory servers, replica directory servers, RID master, subordinate references, systems container, and users container.

```
PS C:\Users\Administrator> GET-ADDOMAIN mydomain.com

AllowedDNSSuffixes      : {}
ChildDomains            : {}
ComputersContainer      : CN=Computers,DC=mydomain,DC=com
DeletedObjectsContainer : CN=Deleted Objects,DC=mydomain,DC=com
DistinguishedName       : DC=mydomain,DC=com
DNSRoot                : mydomain.com
DomainControllersContainer : OU=Domain Controllers,DC=mydomain,DC=com
DomainMode              : Windows2016Domain
DomainSID               : S-1-5-21-882891306-116110207-1368362726
ForeignSecurityPrincipalsContainer : CN=ForeignSecurityPrincipals,DC=mydomain,DC=com
Forest                  : mydomain.com
InfrastructureMaster     : Anshu.mydomain.com
LastLogonReplicationInterval : 
LinkedGroupPolicyObjects : {CN={31B2F340-016D-11D2-945F-00C04FB984F9},CN=Policies,CN=System,DC=mydomain,DC=com}
LostAndFoundContainer    : CN=LostAndFound,DC=mydomain,DC=com
ManagedBy               : 
Name                     : mydomain
NetBIOSName              : MYDOMAIN
ObjectClass              : domainDNS
ObjectGUID               : e0c2a168-8110-4430-ae5c-d6985db0e6c5
ParentDomain             : 
PDCemulator              : Anshu.mydomain.com
PublicKeyRequiredPasswordRolling : True
QuotasContainer          : CN=NTDS Quotas,DC=mydomain,DC=com
ReadOnlyReplicaDirectoryServers : {}
ReplicaDirectoryServers  : {Anshu.mydomain.com}
RIDMaster                : Anshu.mydomain.com
SubordinateReferences     : {DC=ForestDnsZones,DC=mydomain,DC=com, DC=DomainDnsZones,DC=mydomain,DC=com, CN=Configuration,DC=mydomain,DC=com}
SystemsContainer         : CN=System,DC=mydomain,DC=com
UsersContainer           : CN=Users,DC=mydomain,DC=com

PS C:\Users\Administrator>
```

**Step 21: To display the Active Directory Forest details, run the following command:**

**Get-ADForest mydomain.com**

