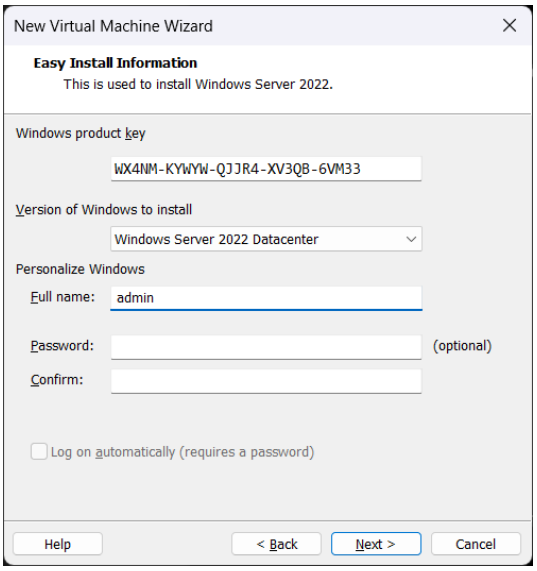
PRACTICAL 1

Aim: - Implementing Failover Cluster on Windows

File used: - Windows Server 2022.iso file

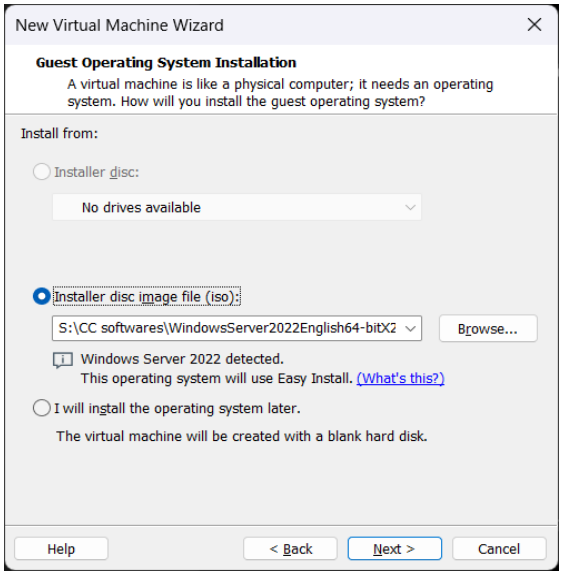
Steps: -

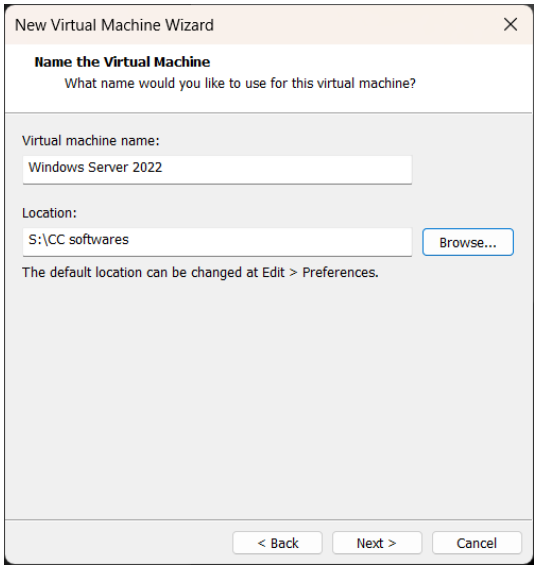
Step1: - Create a new VM



"windowserver2022…."

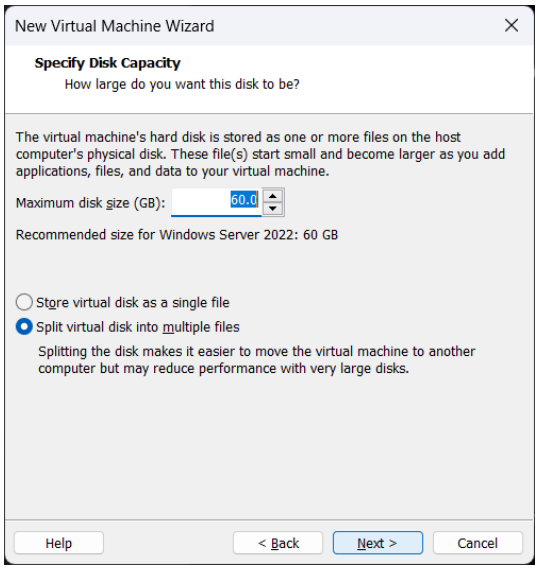
Step2: - Browse the iso file-



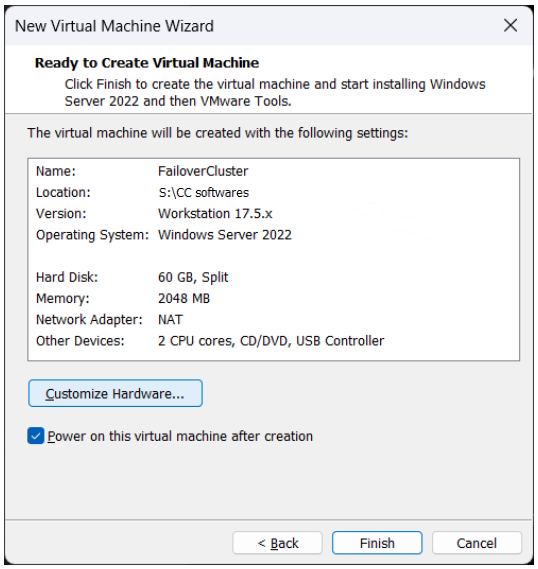


Step3: - Give a Name → Next.

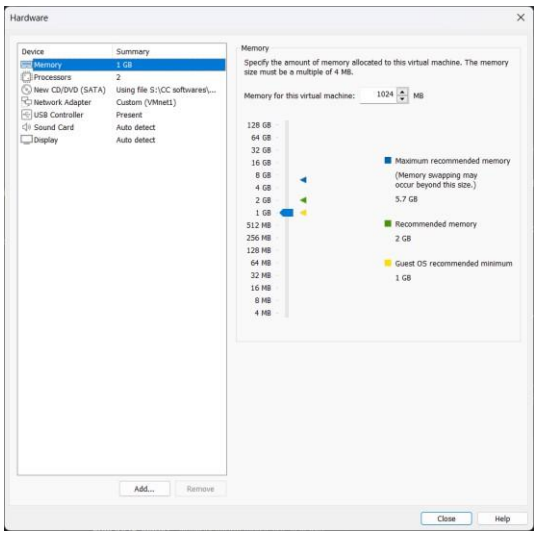
Step4: - Keep default storage capacity → split virtual disk into multiple files.

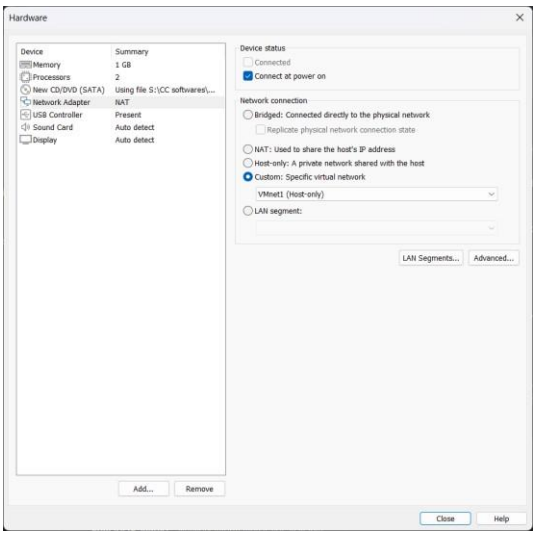


Step5: - Click on Customize Hardware

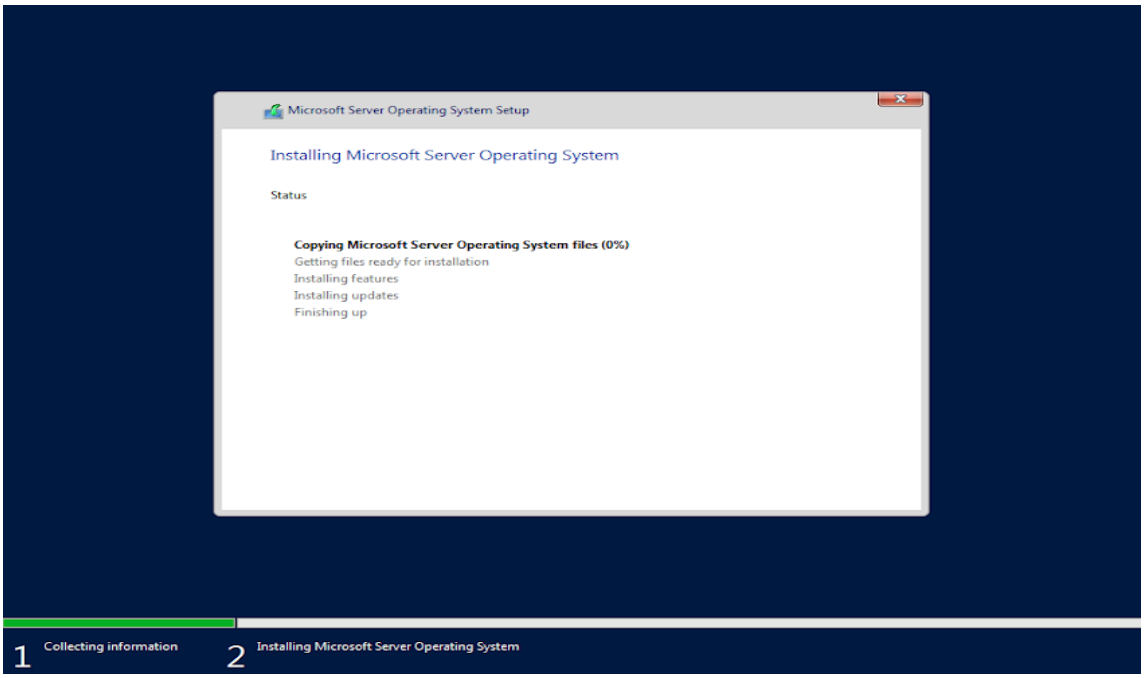


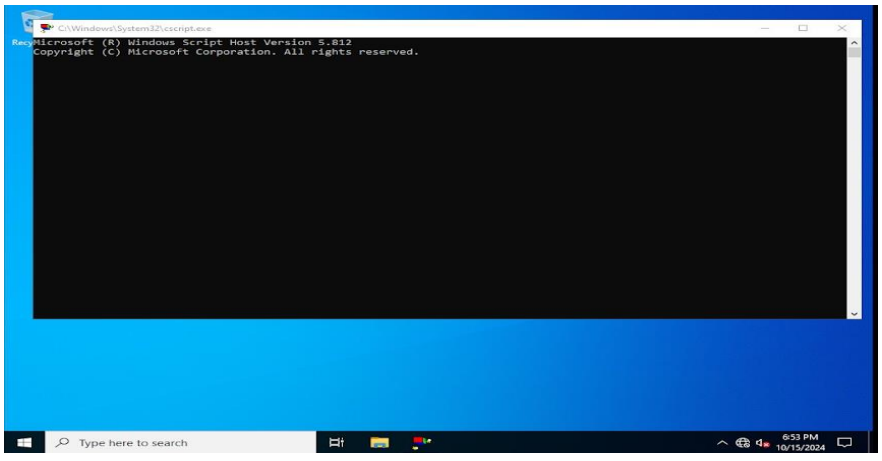
Step6: - Set Memory to 1GB →Network Adapter→ Custom specific Virtual network.



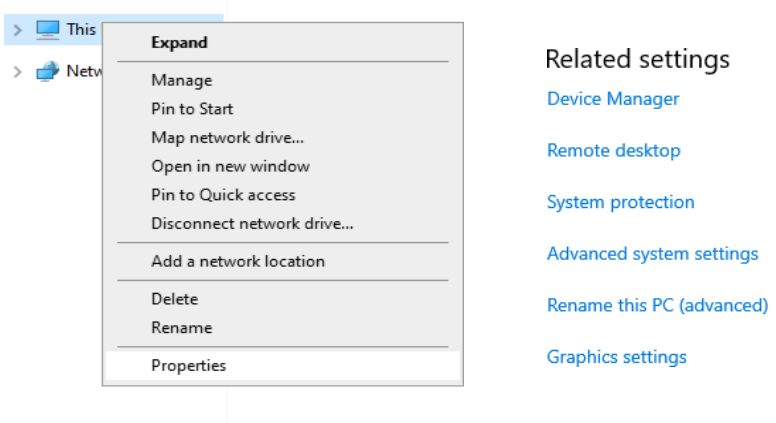


Step7: - Now Power on the virtual machine

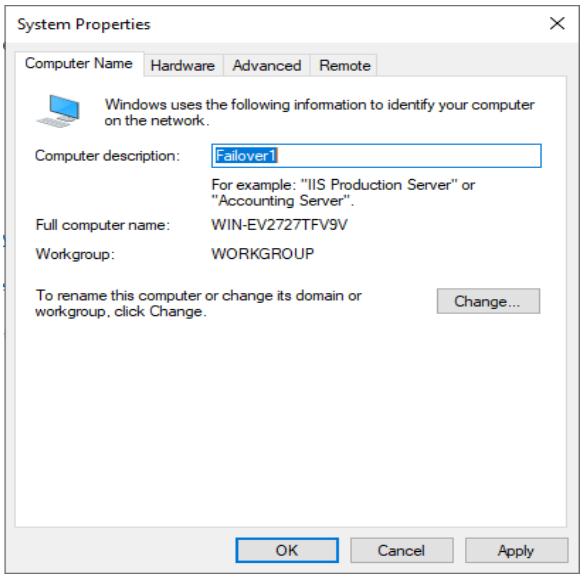


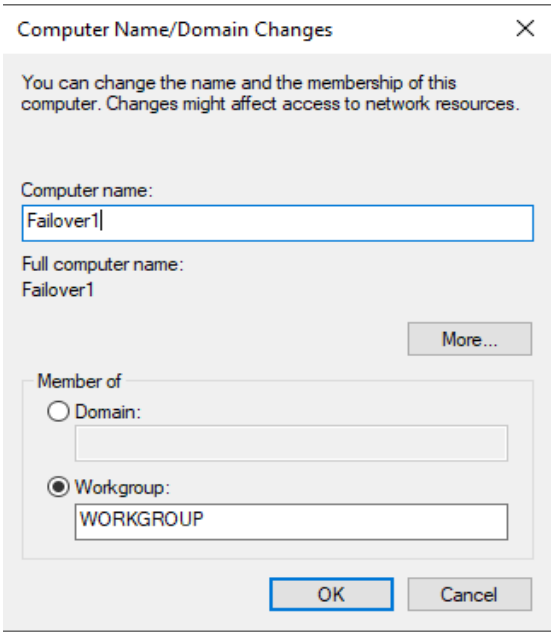


Step8: - Ctrl + E → This Pc → Right Click → Properties.

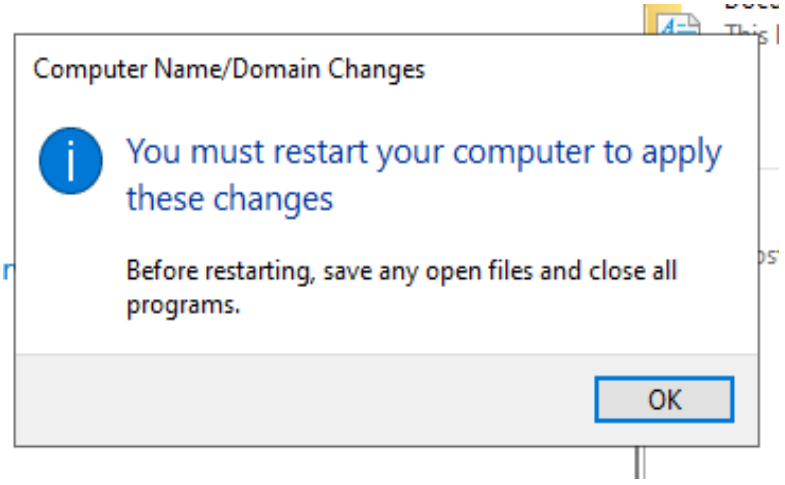


Step9: - Click on Rename this Pc (advanced) → give a name →Click on change → Ok.

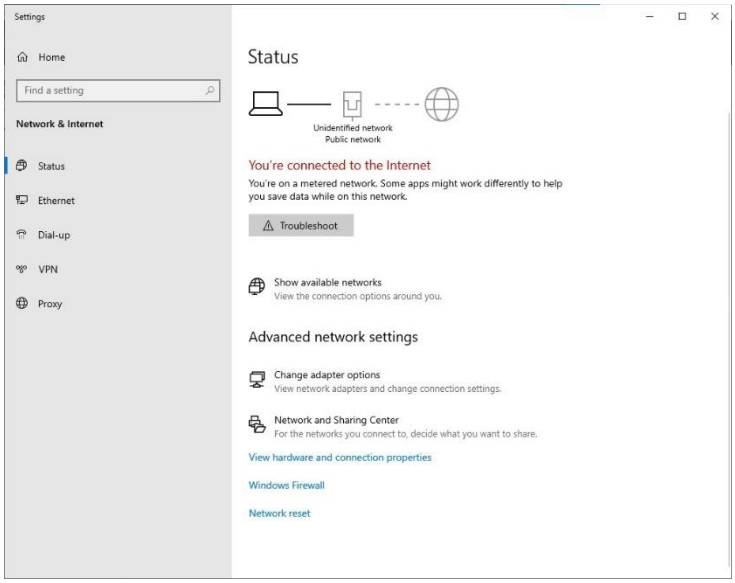


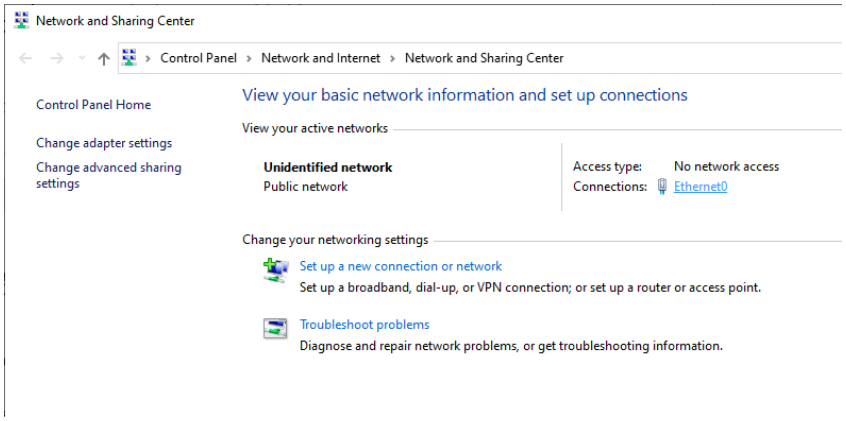


Step10: - After restart

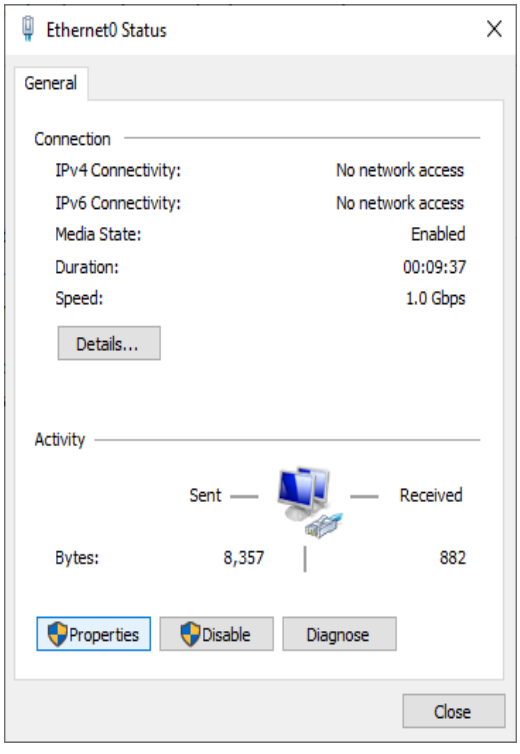


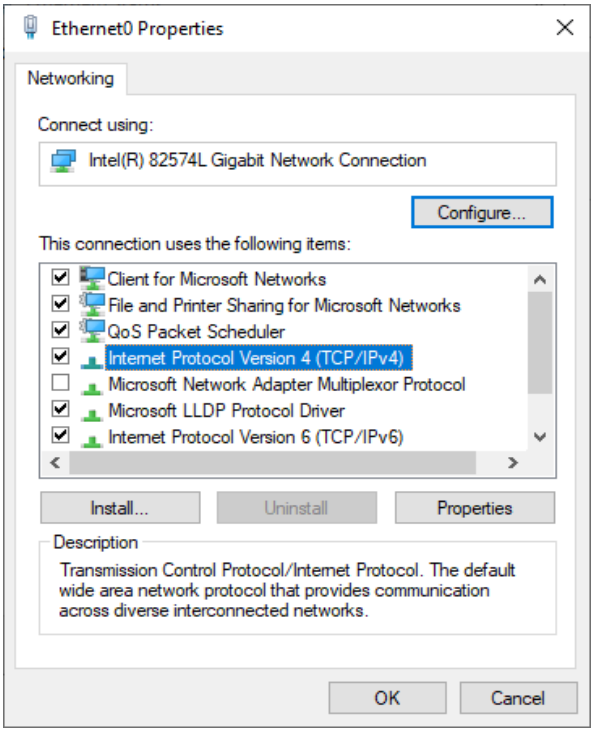
Step12: - Go to setting → network and sharing center → Click on Ethernet ()



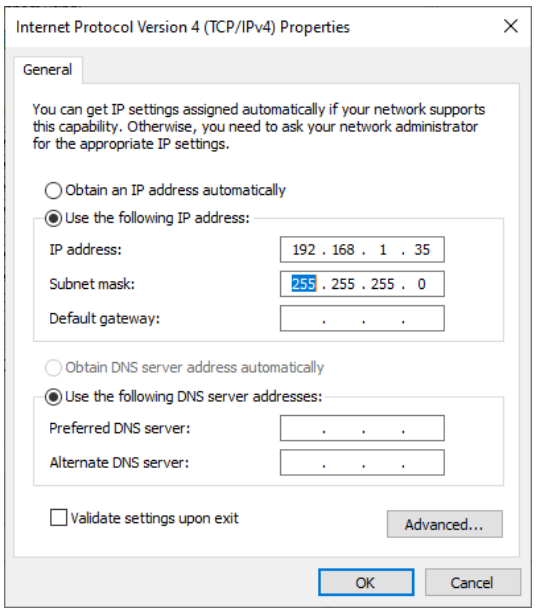


Step13: - Click on properties → Click internet protocol version 4(TCP/IPv4)

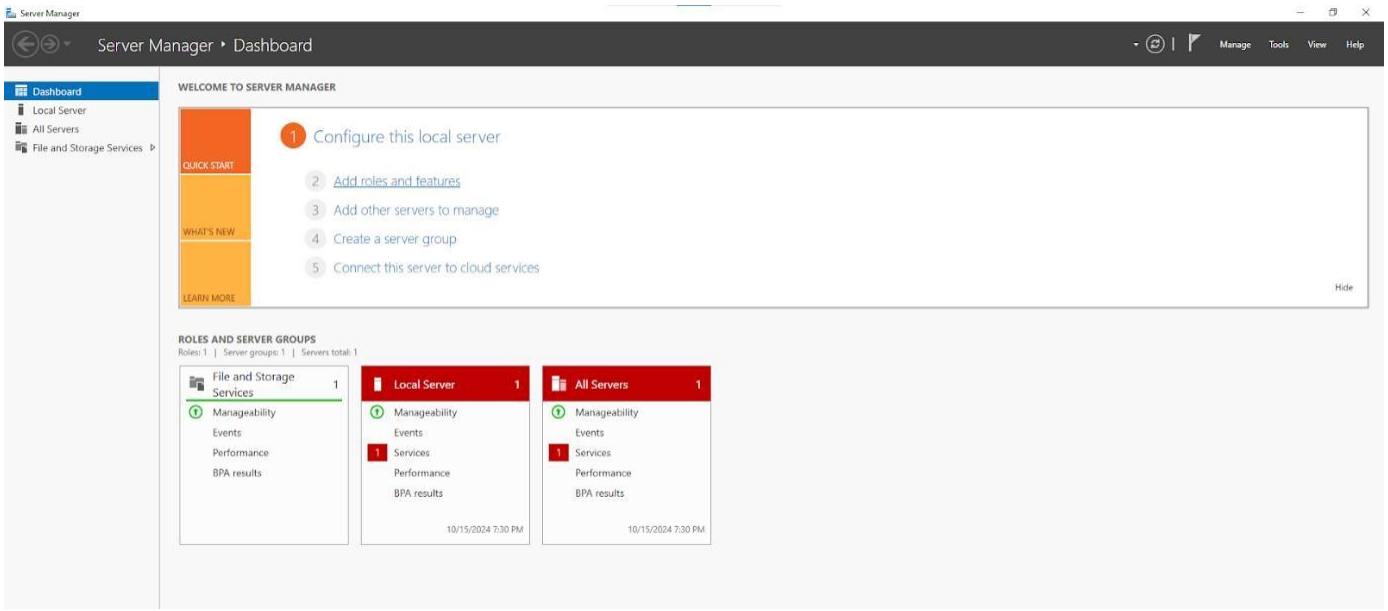


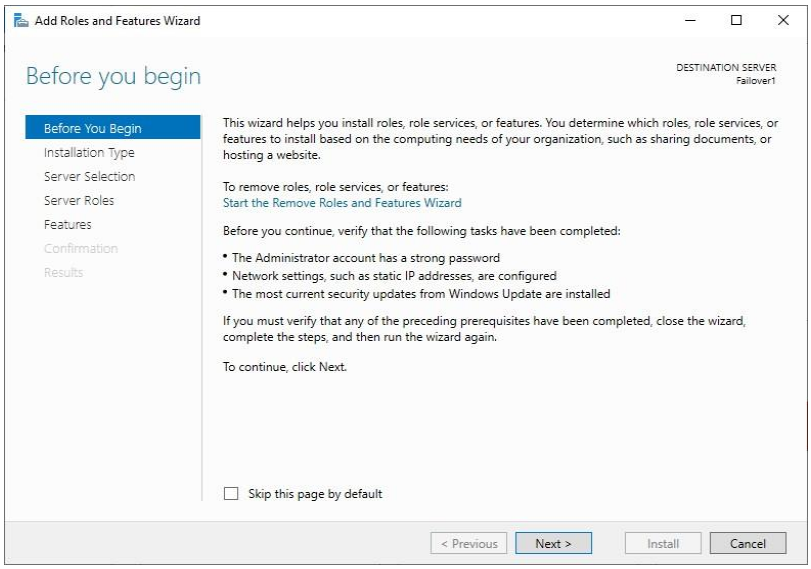


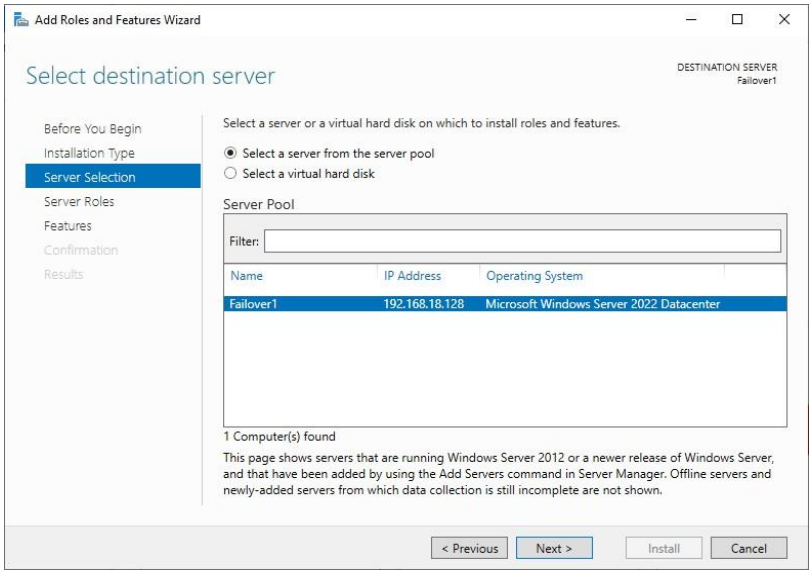
Step14: - Now add Ip address 192.168.1.35, subnet mask.



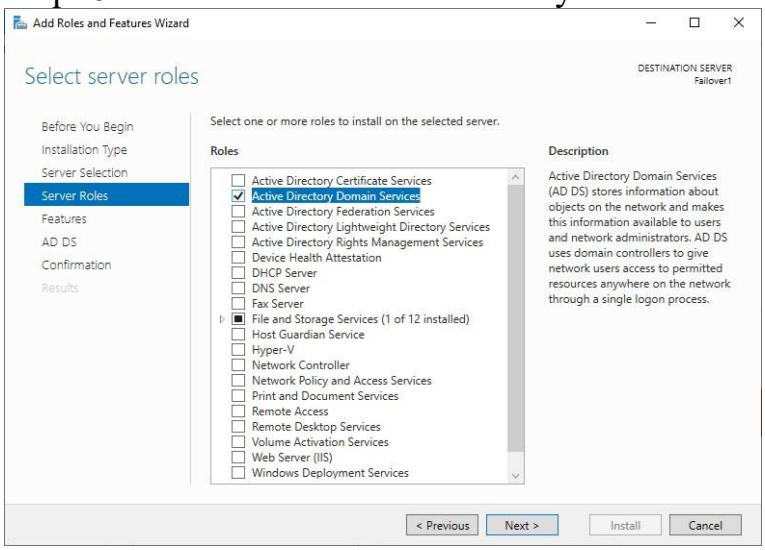
Step15: - Now click on server manager → Add roles and features.



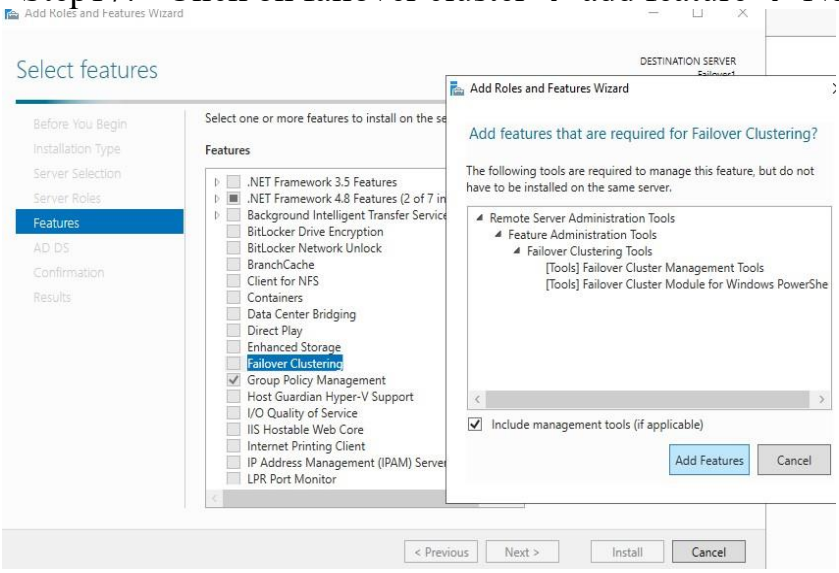




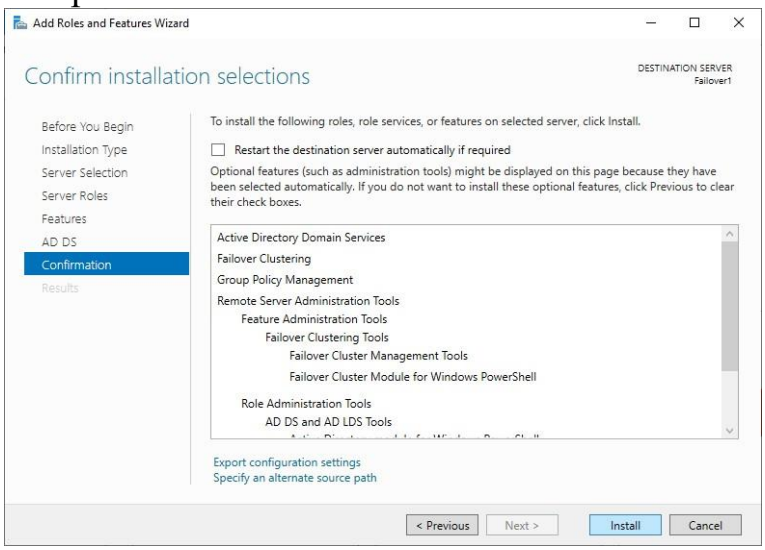
Step16: - Check the “Active Directory Domain Services” → Add feature → next.



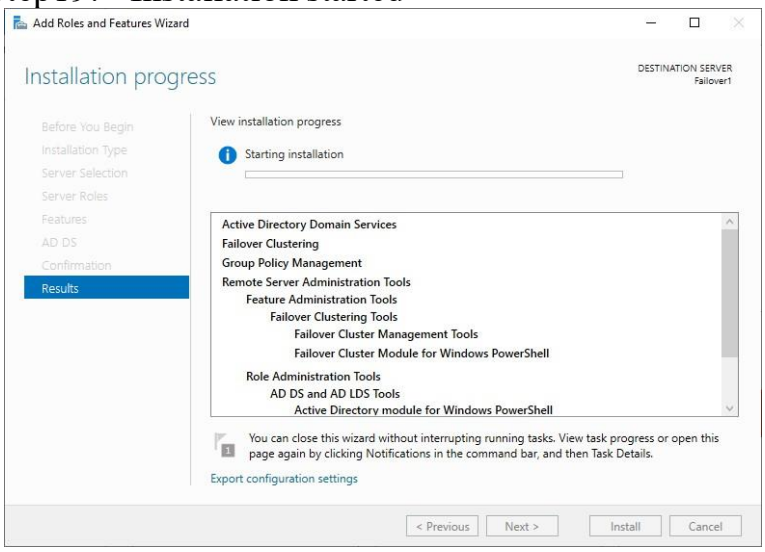
Step17: - Click on failover cluster → add feature → Next.



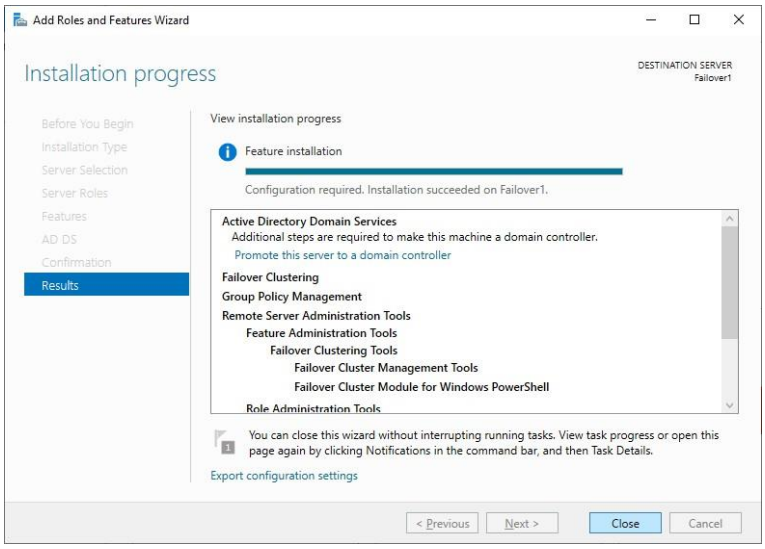
Step18: - Click on installation.



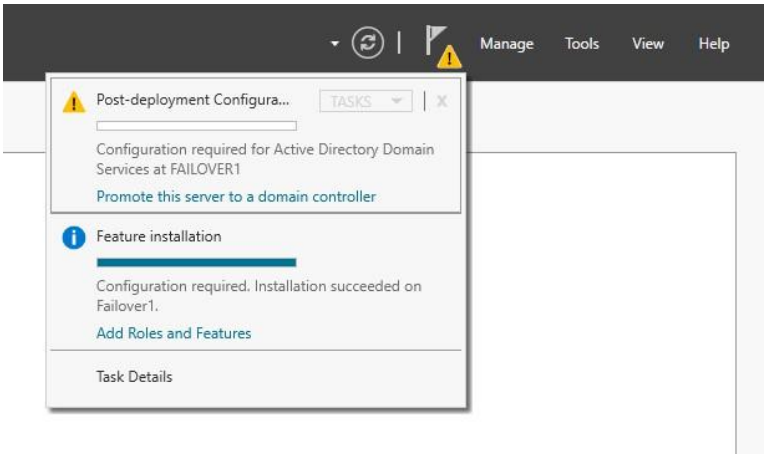
Step19: - Installation started



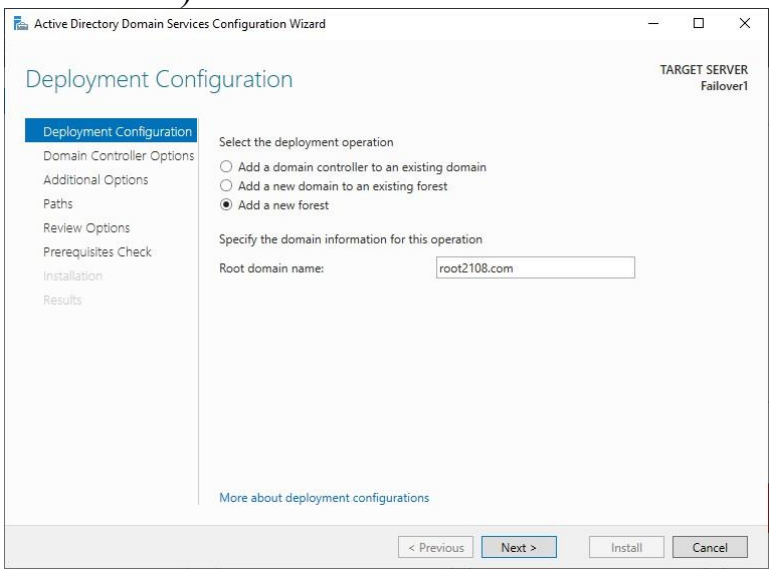
Step20: - After installation click on close.



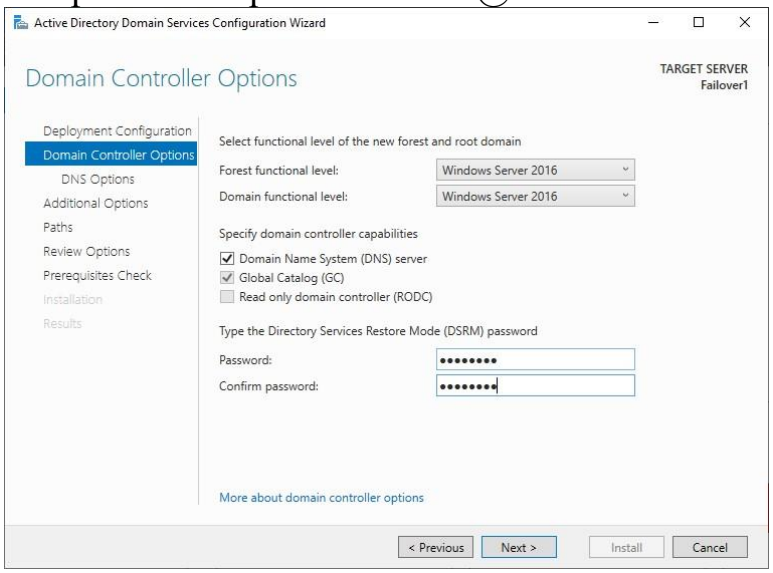
Step21: - Now click on flag (notification) icon → promote this to server to a domain controller.



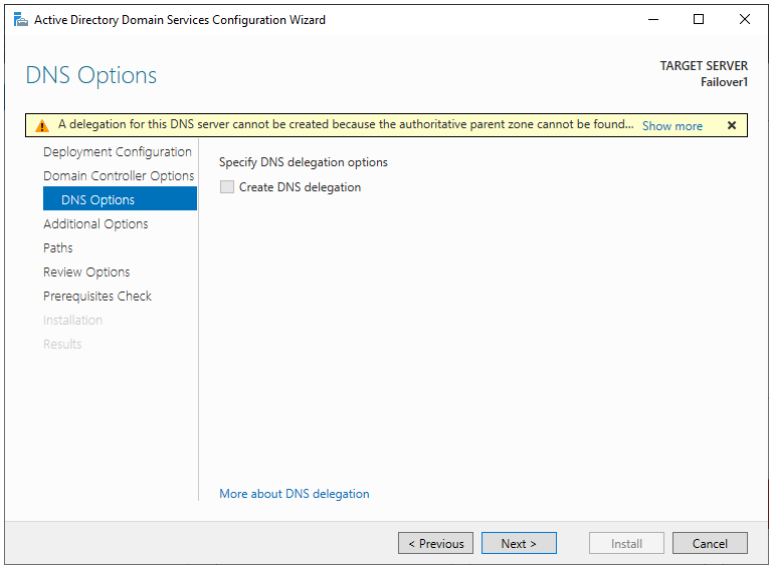
Step22: - Click on Add a new forest → give root domain name (.com is necessary at the end of the name)



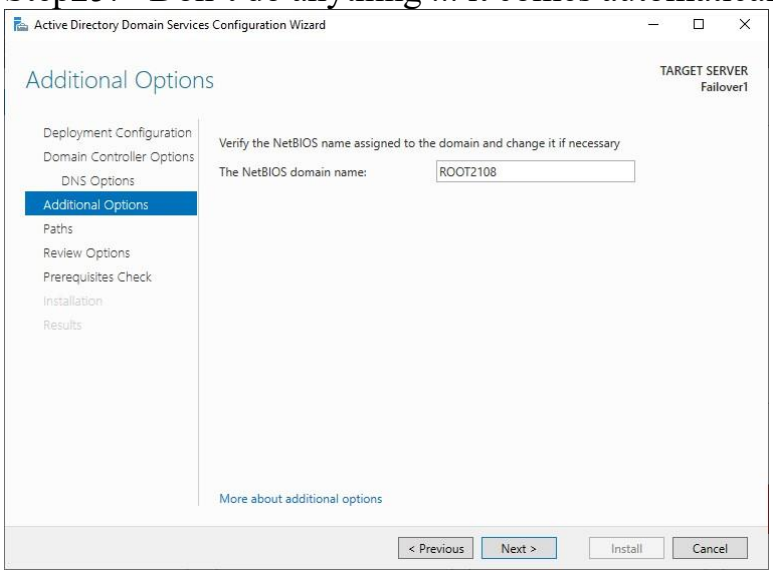
Step23: - Give password: **root@2108** → next.



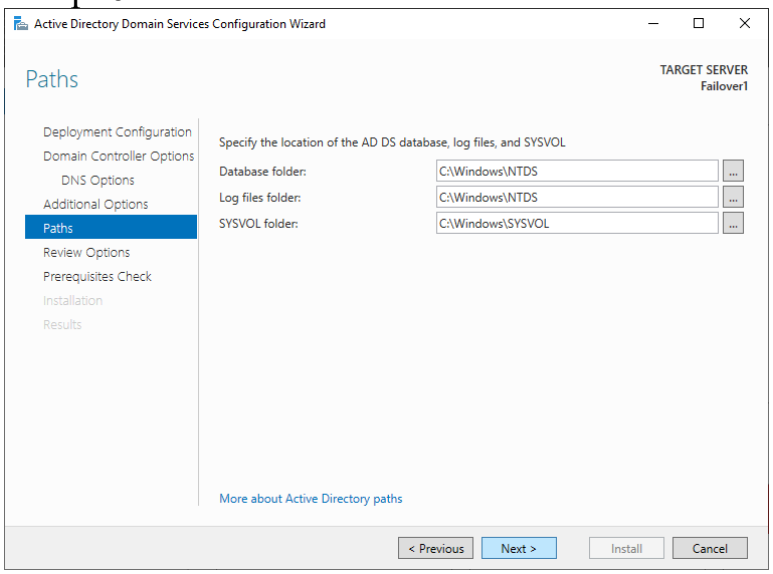
Step24: - Click on next.



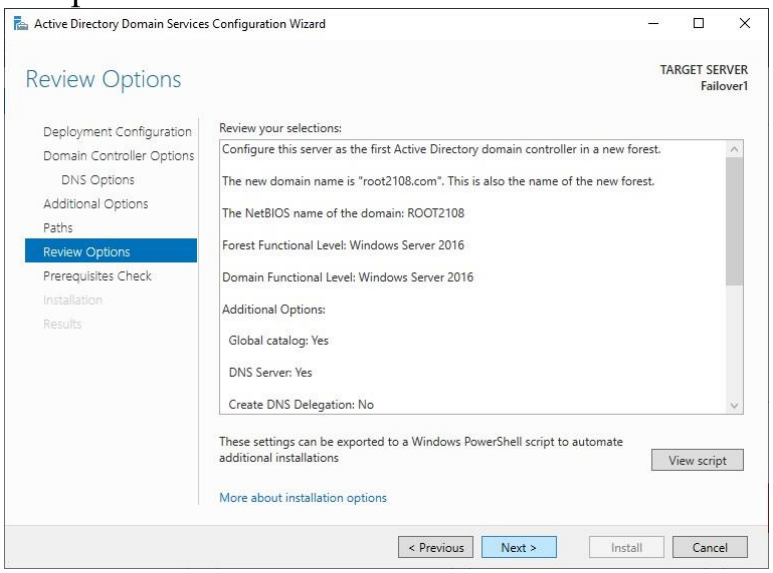
Step25: - Don’t do anything ... it comes automatically → next.



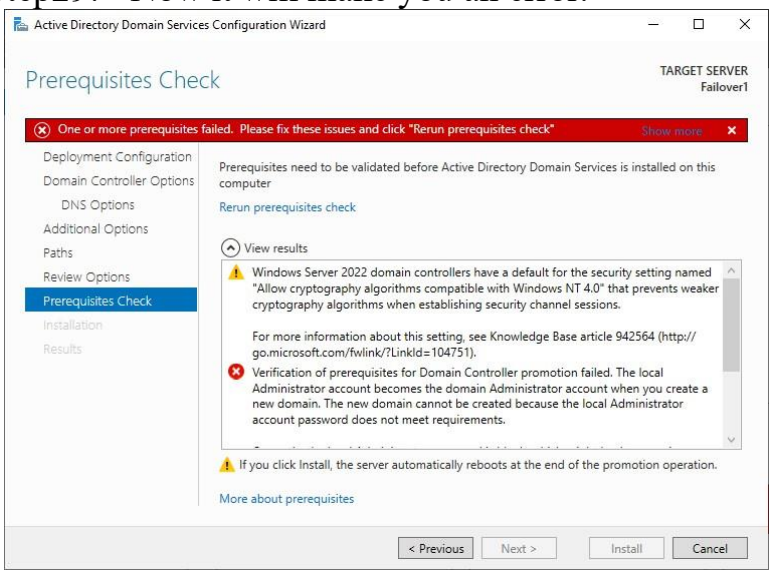
Step26: - Click Next



Step27: - Click on next.



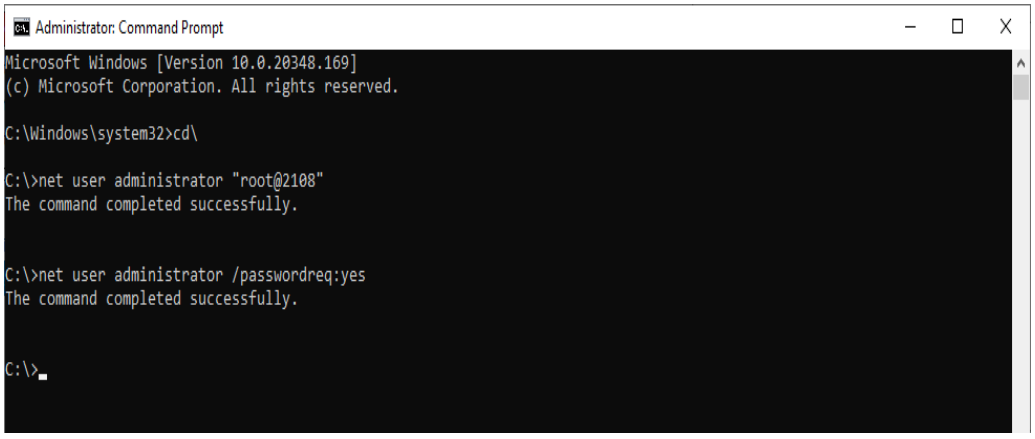
Step29: - Now it will make you an error.



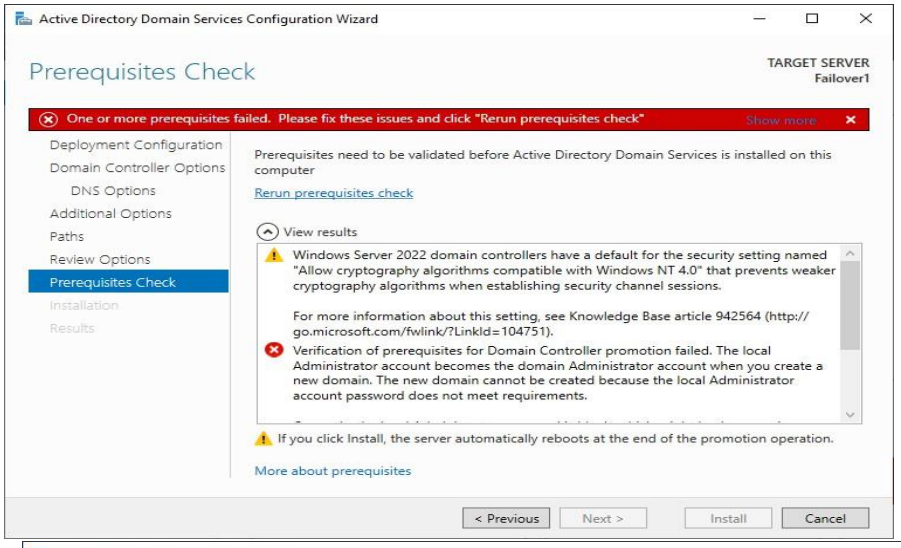
Step30: - Open cmd → run as administrator → Now type the following commands: -

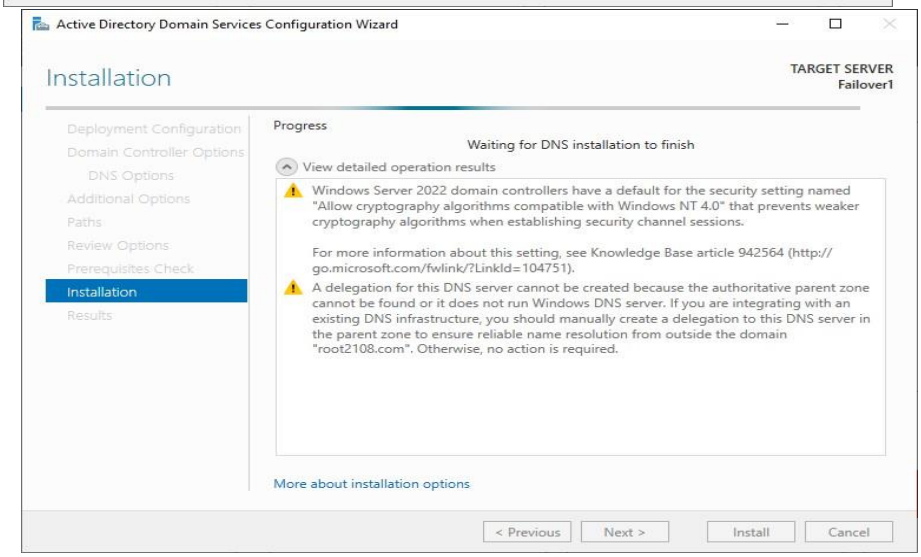
- cd\
- net user administrator "root@2108"
- net user administrator /passwordreq:yes

root@2108 – this is the password u set before

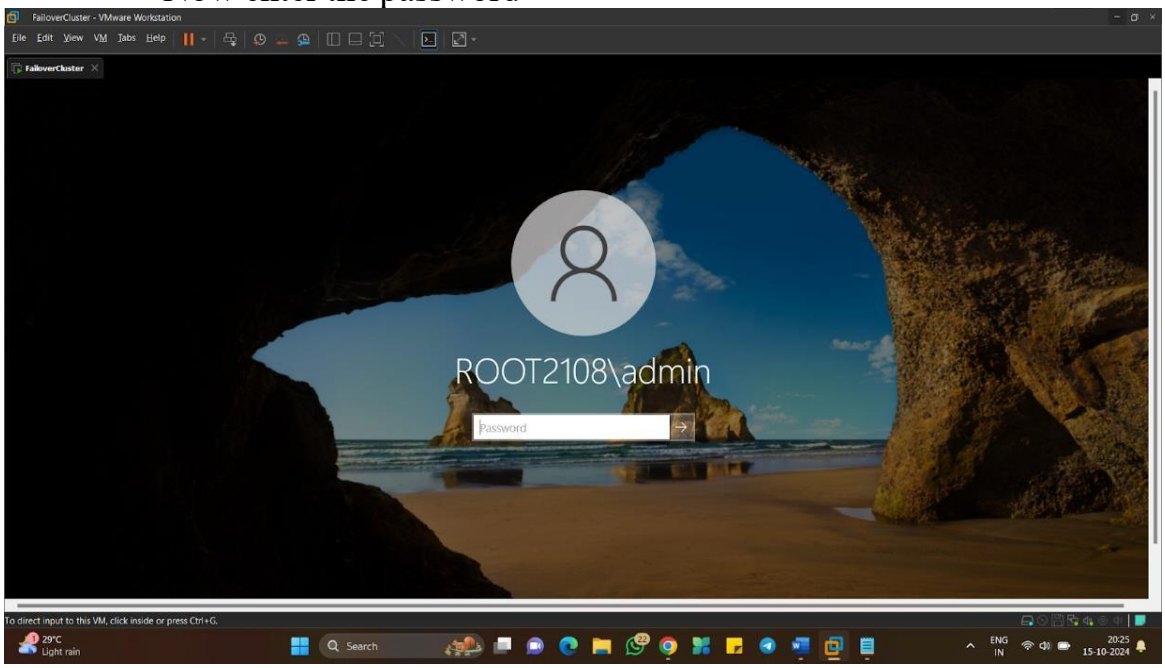


Step31: - Now click on rerun prerequisites check → install.

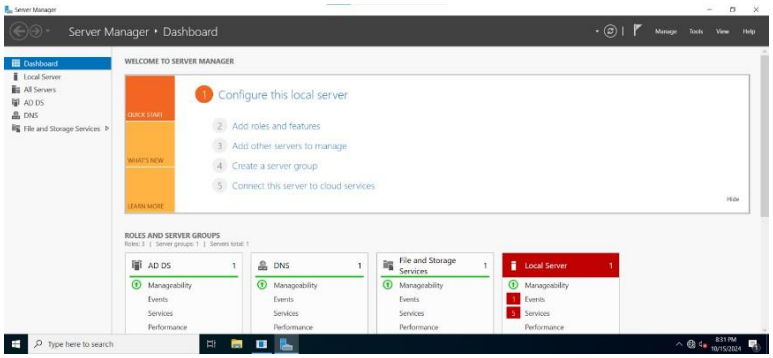




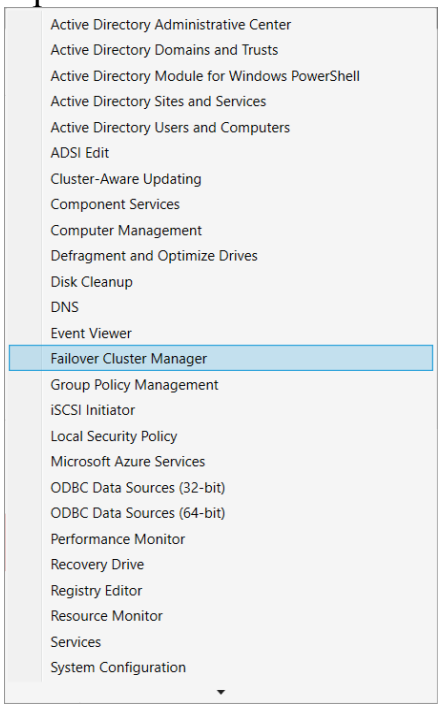
Step32: - After this the PC will restart.
Now enter the password



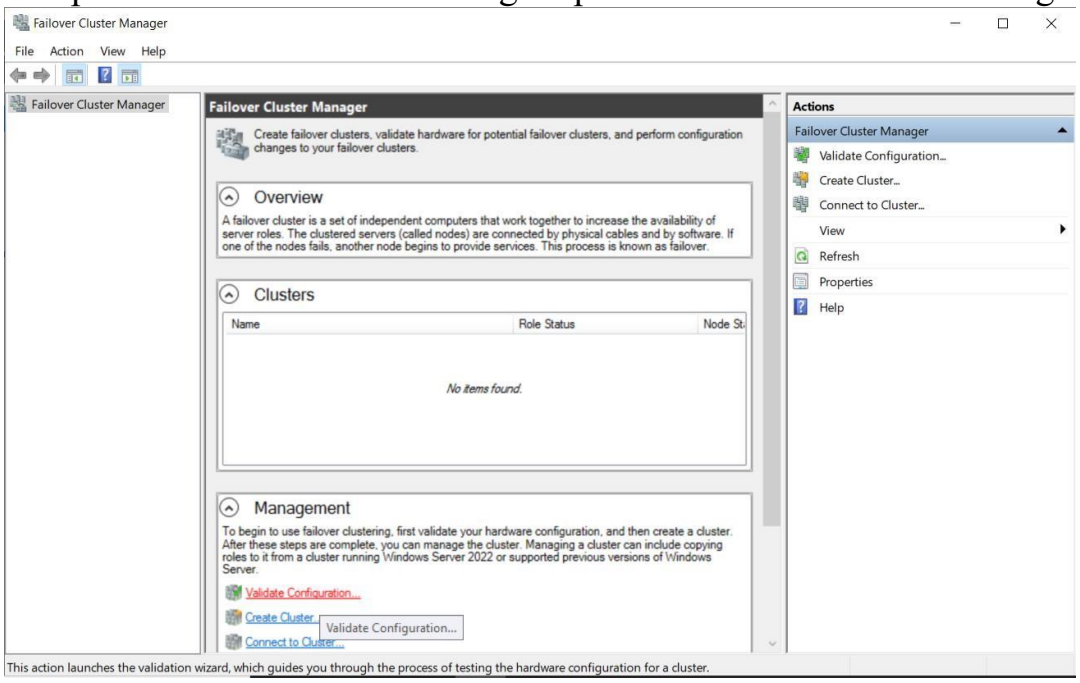
Step33: - Click on tools.



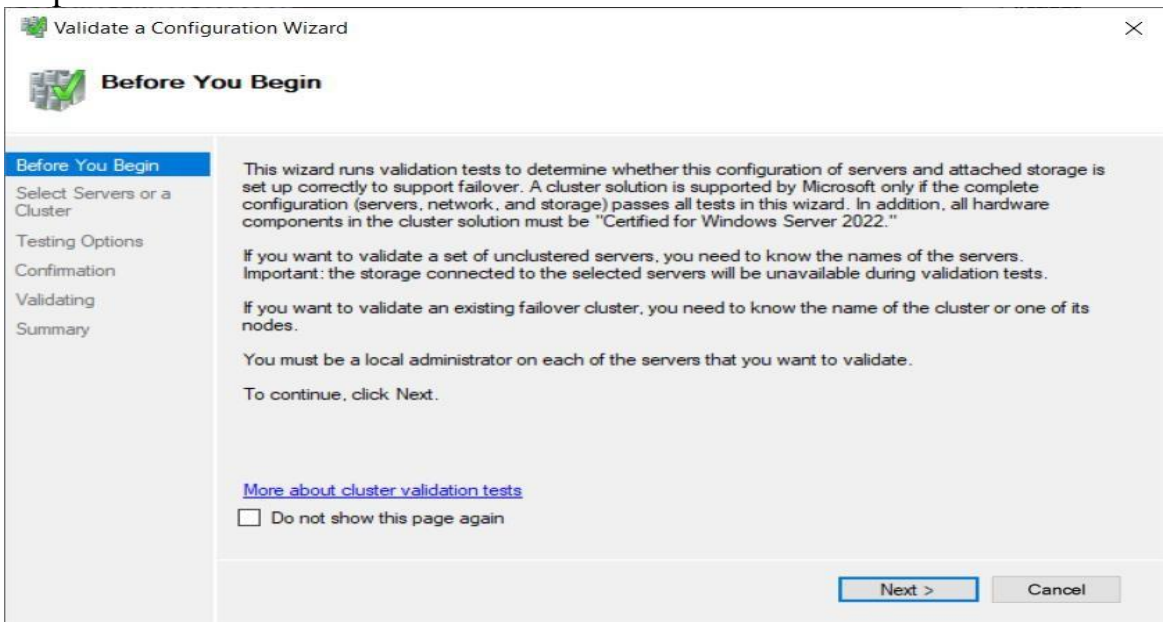
Step34: - Now click on tools → failover cluster manager.



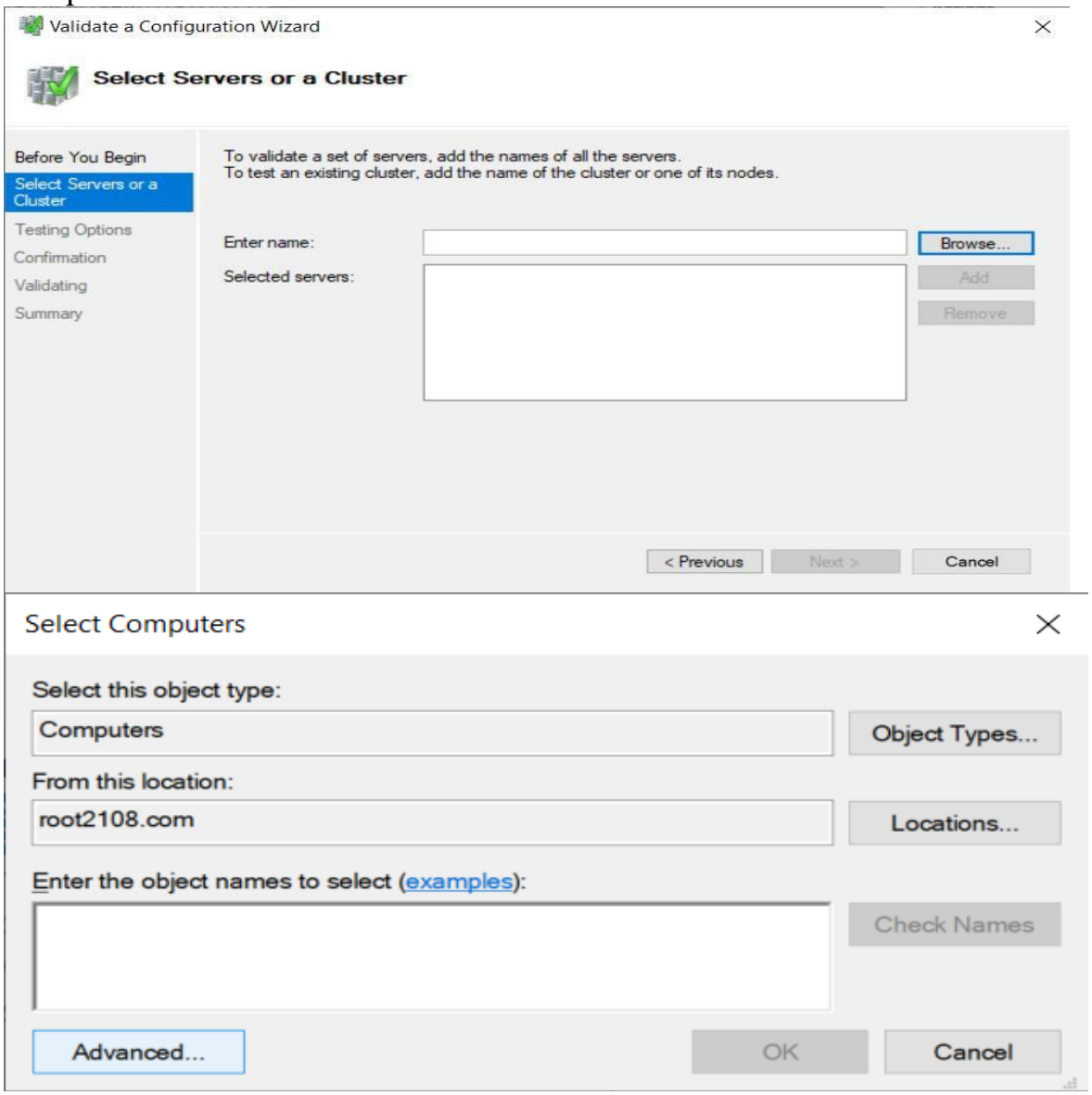
Step35: - Failover Cluster manager opens → Click on validate configuration.

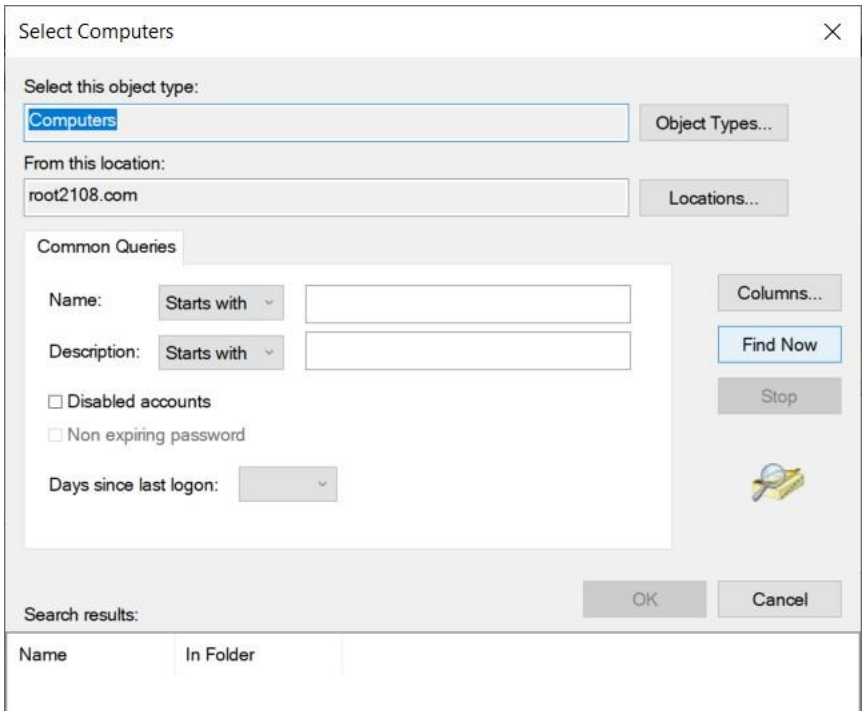


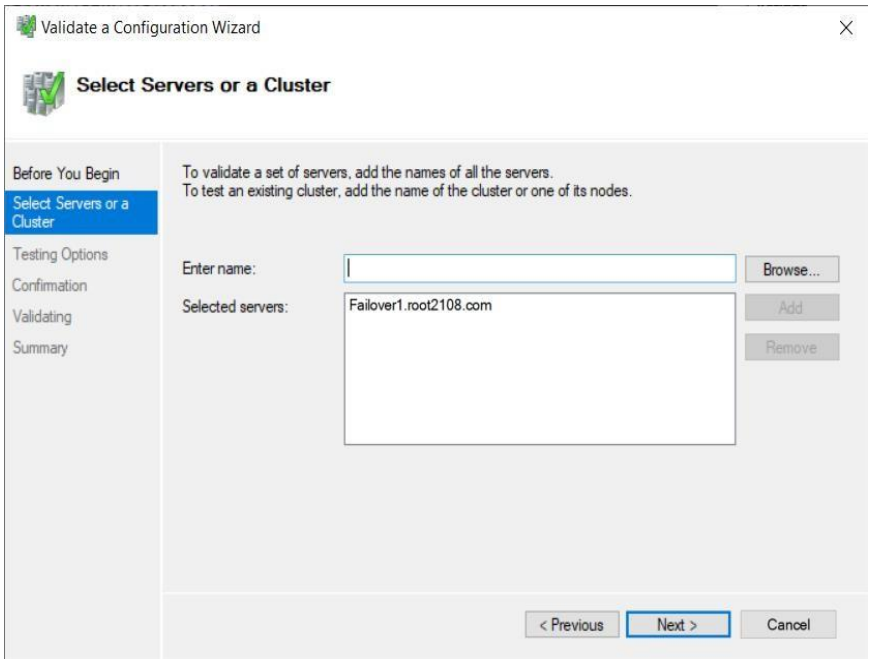
Step36: - Now click on next.



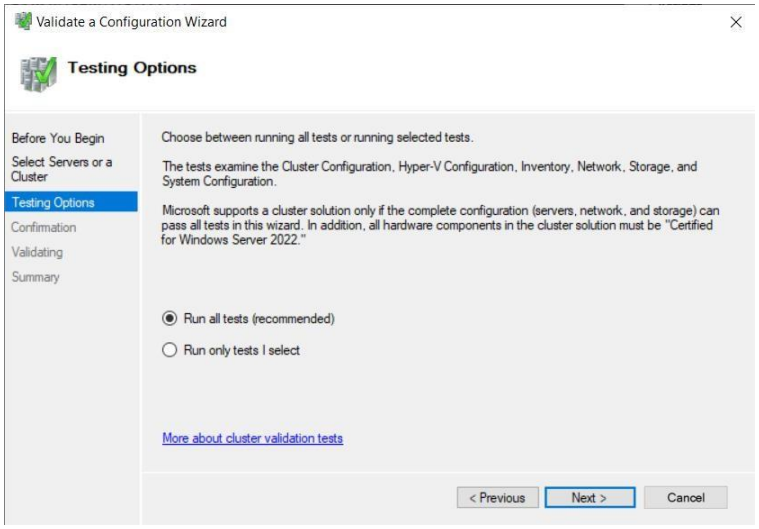
Step37: - Click on browse →Advanced →Find now →Next.



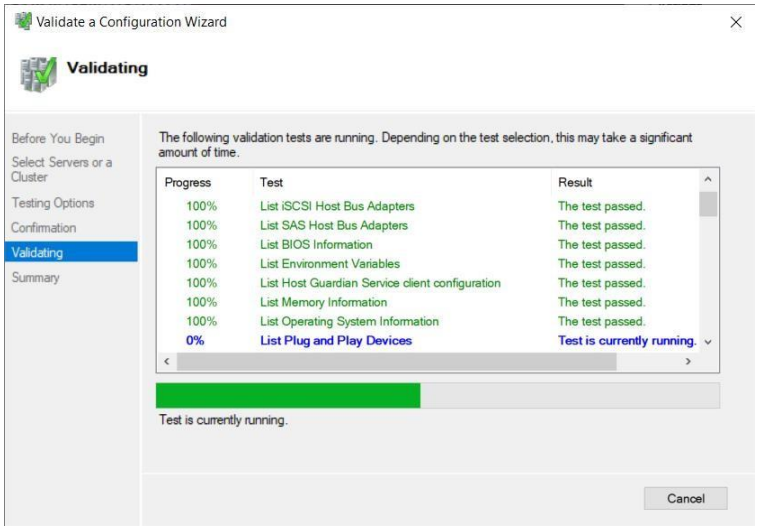

Select Computers
Select this object type:
Computers
Object Types...
From this location:
root2108.com
Locations...
Common Queries
Name:
Starts with
Description:
Starts with
Disabled accounts
Non expiring password
Days since last logon:
Columns...
Find Now
Stop
OK
Cancel
Search results:
Name
In Folder


Validate a Configuration Wizard
Select Servers or a Cluster
Before You Begin
Select Servers or a Cluster
Testing Options
Confirmation
Validating
Summary
To validate a set of servers, add the names of all the servers.
To test an existing cluster, add the name of the cluster or one of its nodes.
Enter name:
Browse...
Selected servers:
Failover1.root2108.com
Add
Remove
< Previous
Next >
Cancel

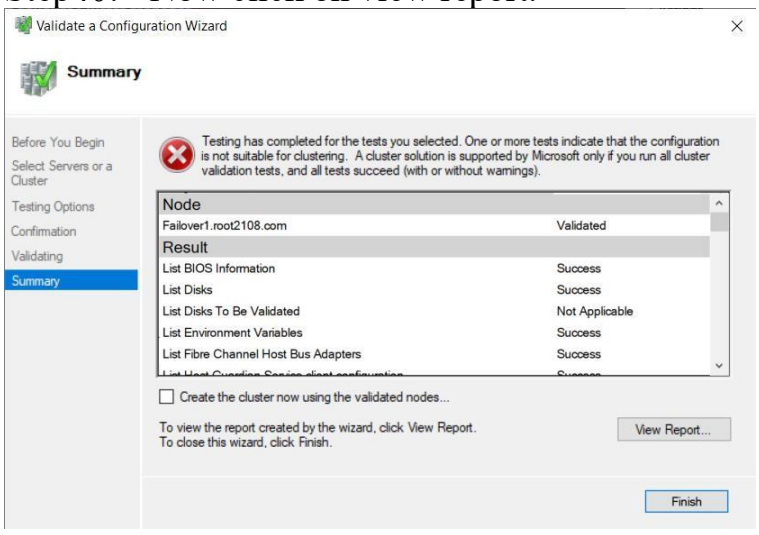
Step38: - Now run all tests.



Step39: - Now click on next.

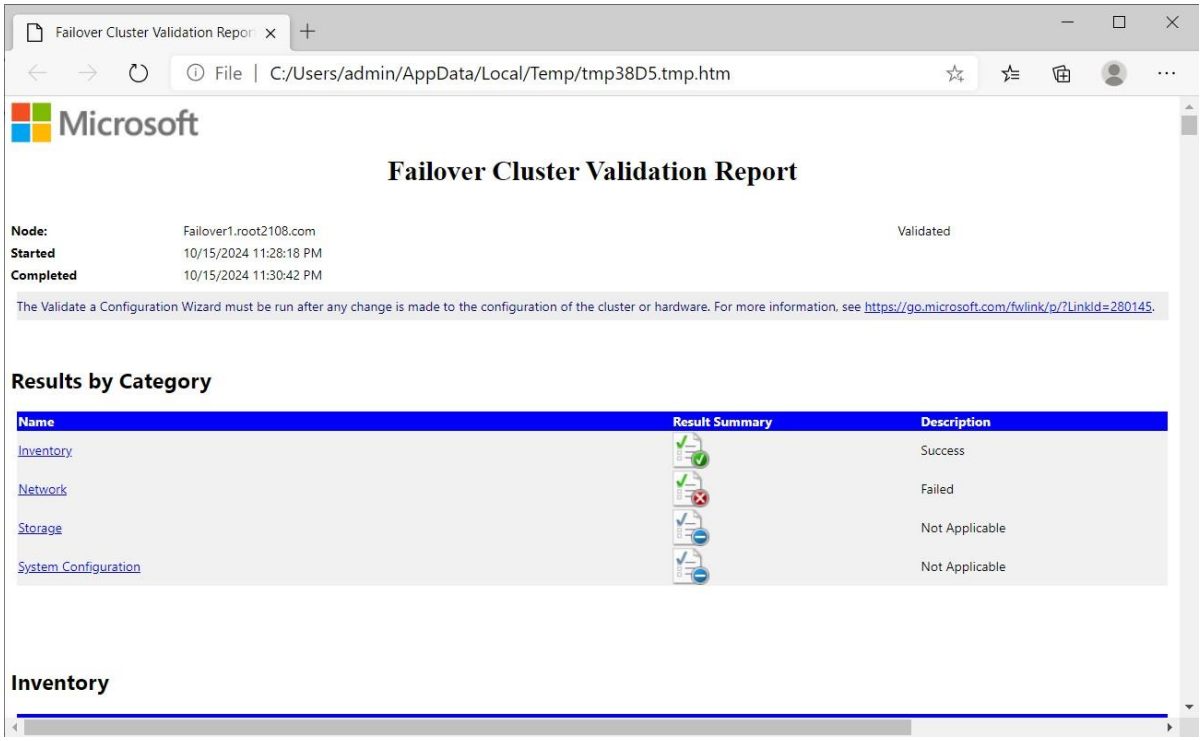


Step40: - Now click on view report.



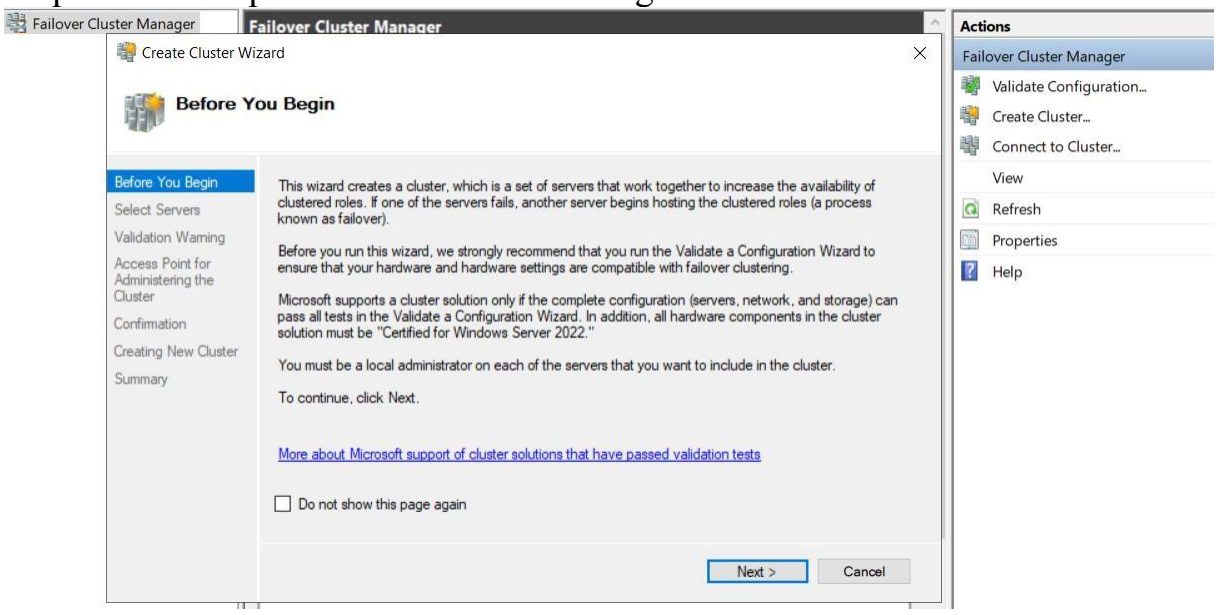
Then it will display the following page

Step41: - After viewing the report click on finish.

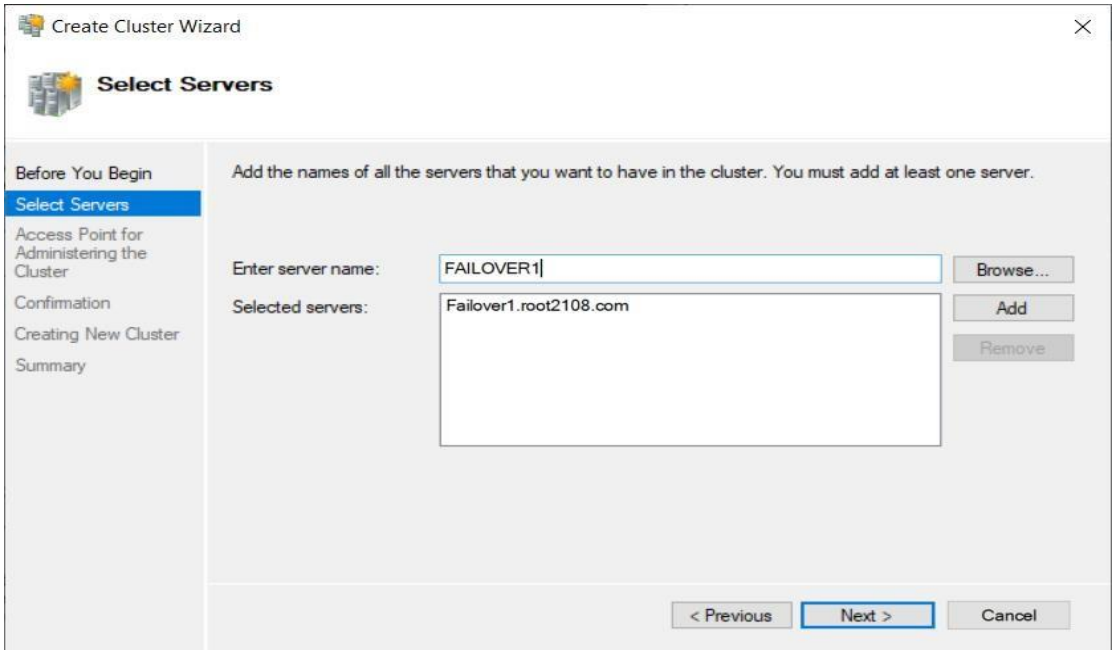


Creating Cluster

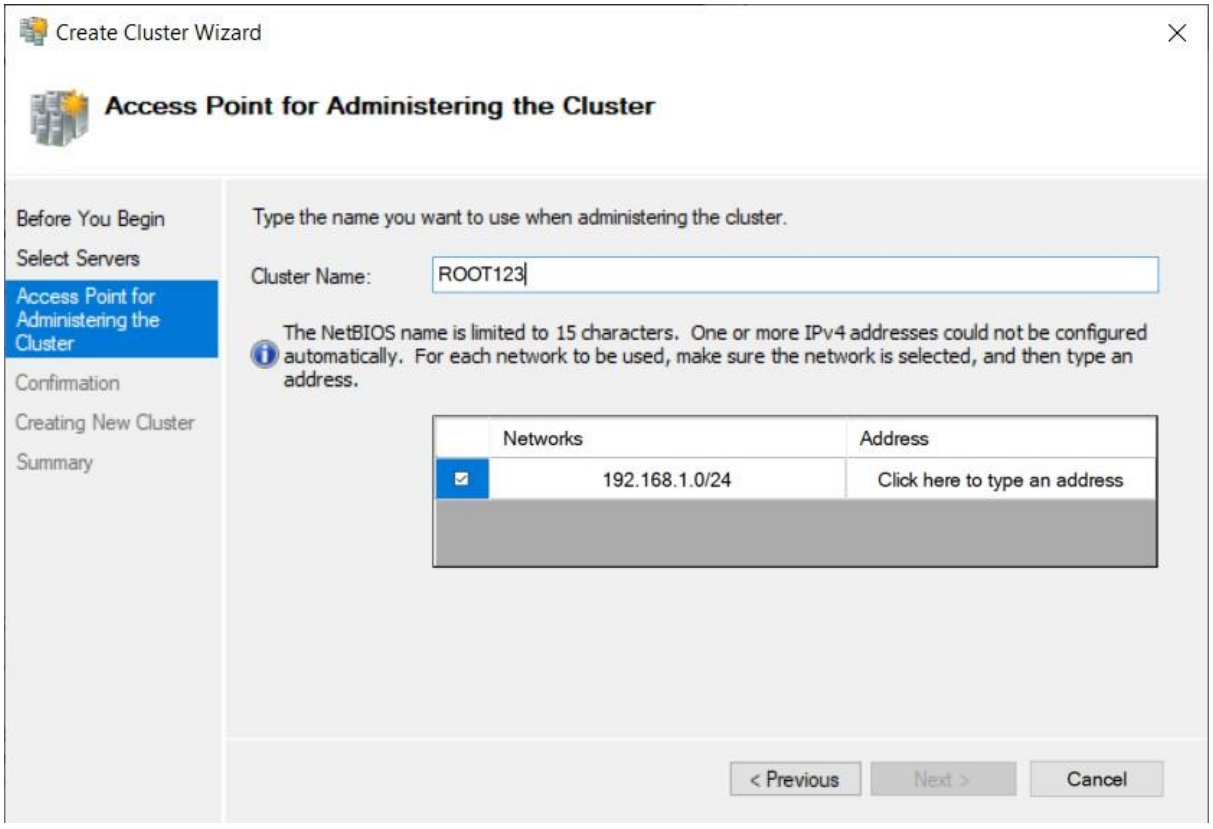
Step42: - Now open failover cluster manager → Create Cluster → next.



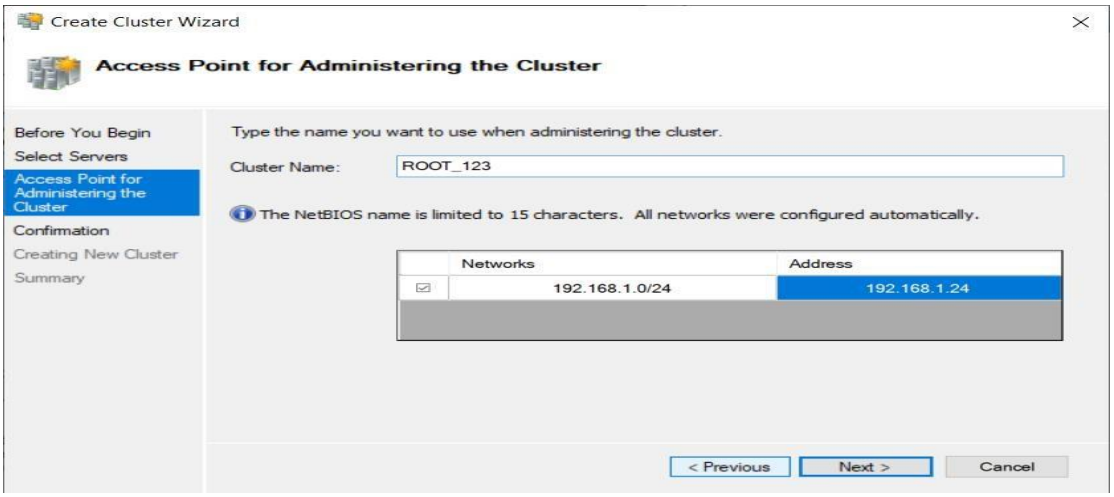
Step43: - Click on browse →Advanced →Find now →Next.



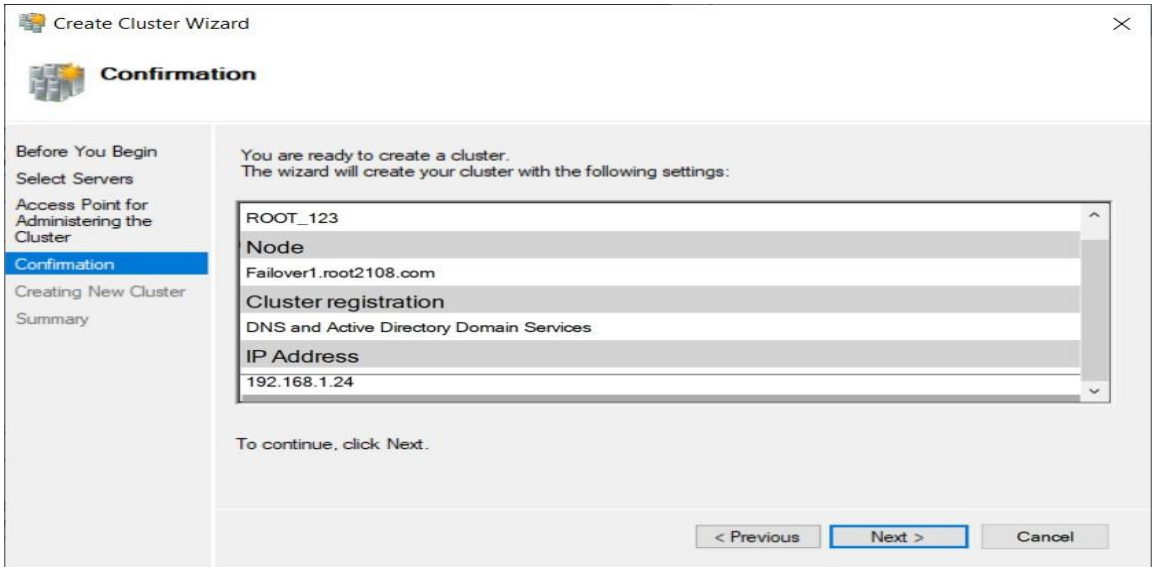
Step44: - Name the Cluster As "ROOT_123"



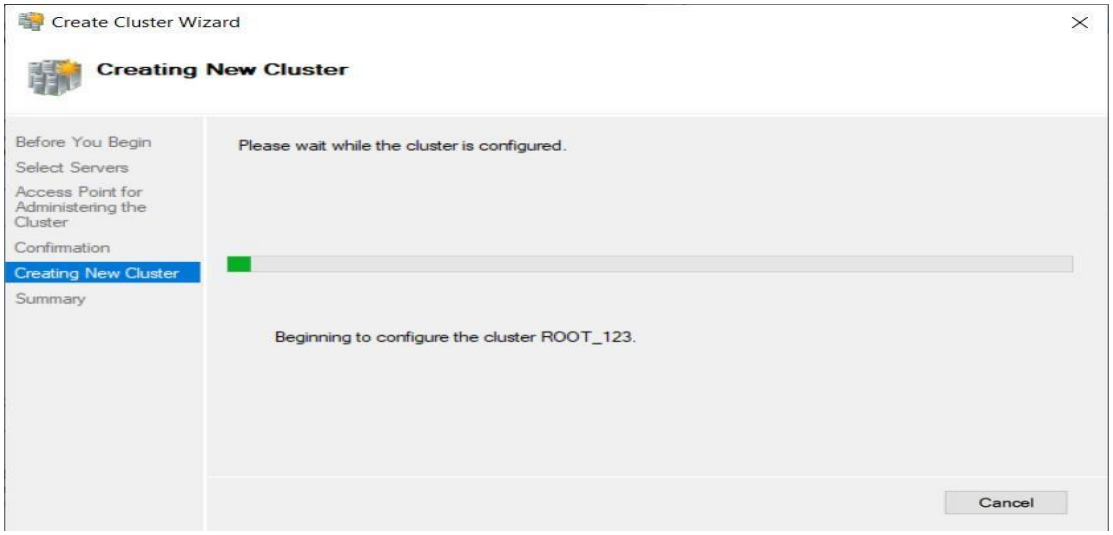
Step45: - Click on NEXT



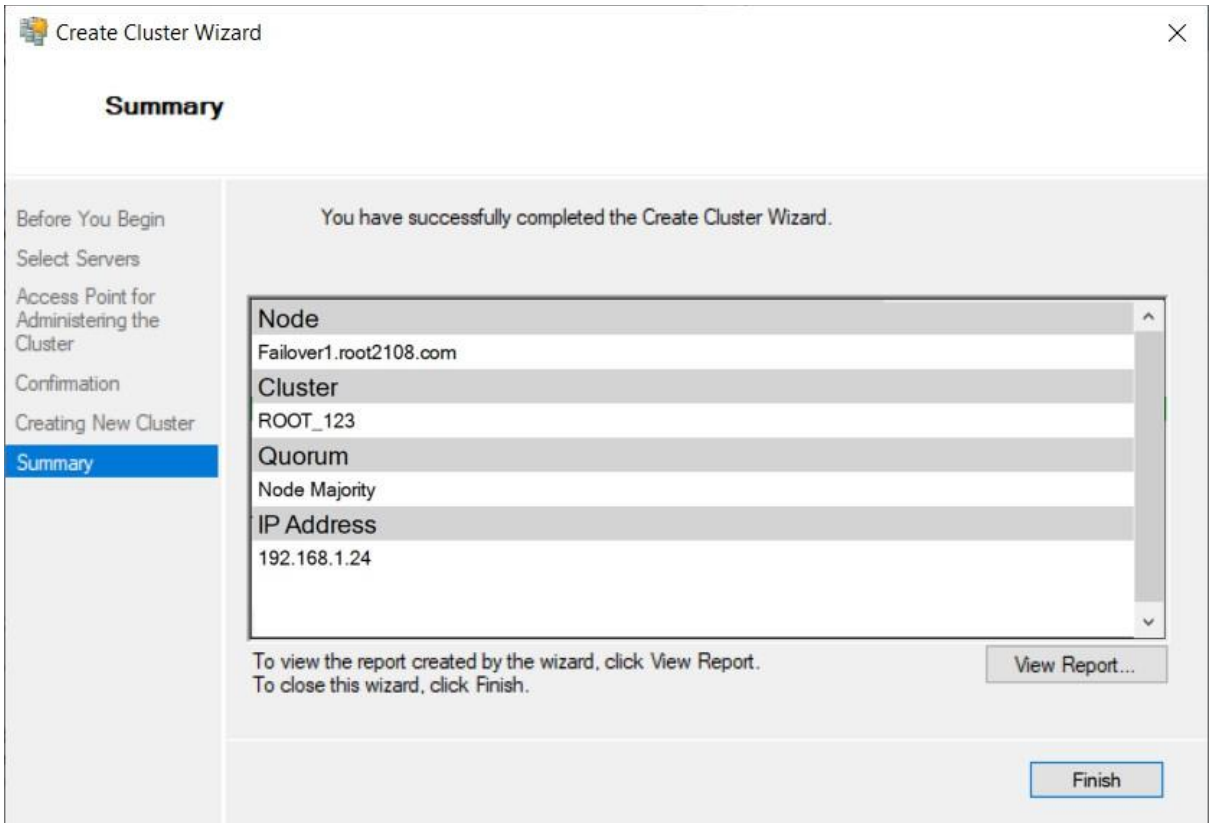
Step46: - Click on NEXT



Step47: -Click on NEXT



Step48: -Click on VIEW REORT…→ Click on FINISH



Created Cluster Report View