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Practical

Configuring ESXi Hosts

Step 1: Insert the VMware ESXi 7 installation disk and start Computer. Then, VMware ESXi 7 Installer starts and reads files from the disk.

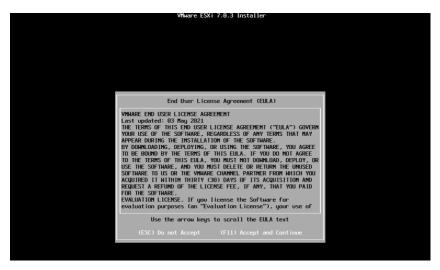


Step 2: Push [Enter] key to proceed to the next



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Step 3: Push [F11] key to accept license agreement



Step 4: Select a disk you like to install VMware ESXi 7 and Push [Enter] key to proceed to the next



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Step 5: Select a keyboard layout you are using and Push [Enter] key to proceed to the next

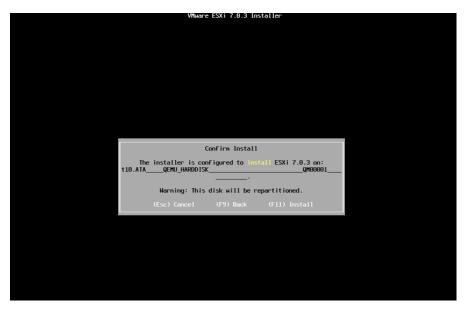


Step 6: Set password for root user account and Push [Enter] key to proceed to the next.



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Step 7: Confirm selections and Push [F11] key to begin installation



Step 8: After finishing installation, Push [Enter] key to restart computer



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Step 9: After restarting computer, VMware ESXi 7 default console window is shown.

Verify installation to login with root user account. Push [F2] key.



Step 10: Input password for root user account you set during the installation

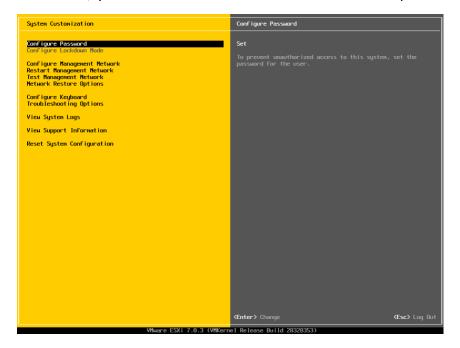


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Step 11: If successfully logined, System configuration windows is shown like follows. To logout from the System, Push [Esc] key.

That's OK, your VMware ESXi 7 installation has completed



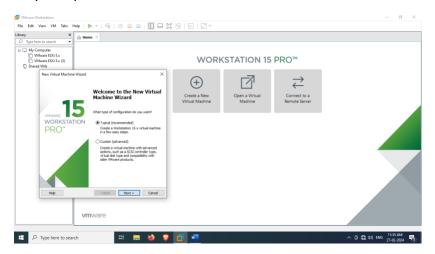
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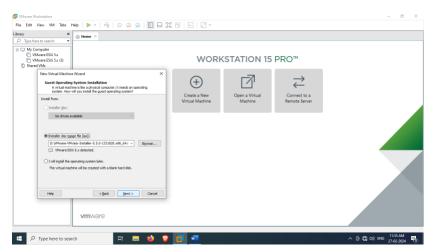
Practical

Deploying & Configuring a Virtual Machine

Step 1: Open VMware Workstation > Click on Create a New > Next > Finish

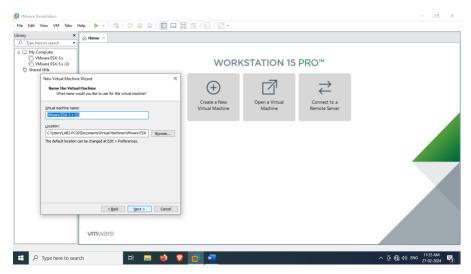


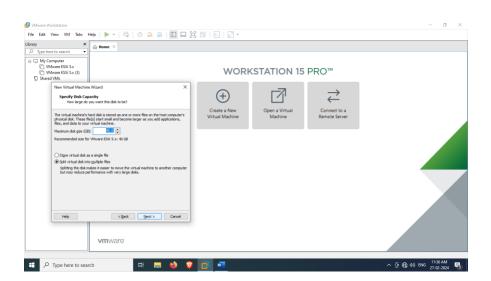
Step 2: Choose Disc Image File > Next



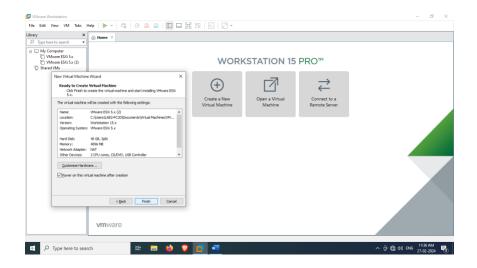
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Step 3: Give Virtual Machine Name > Next > Next

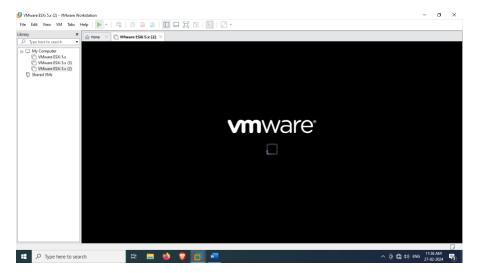




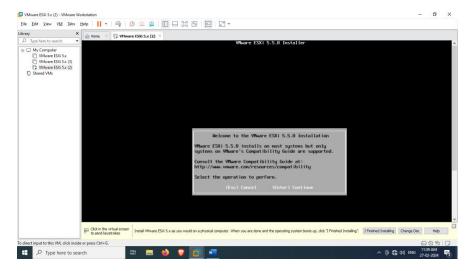
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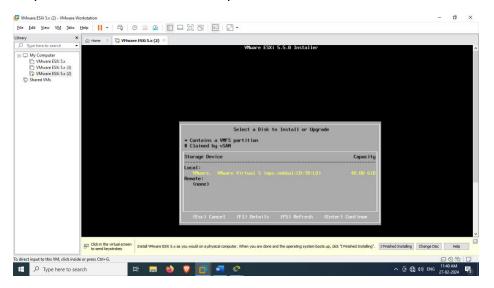
Step 4: Power On ESXI Machine > it Take some time then click on continue



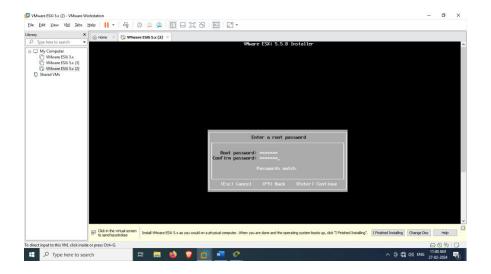
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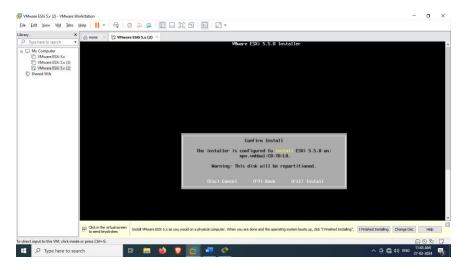
Step 5: click on Continue > Enter password for root



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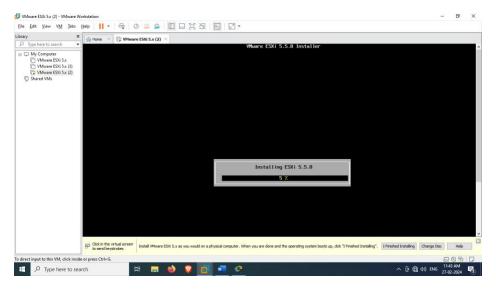
Step 6: It take some time then click on Continue



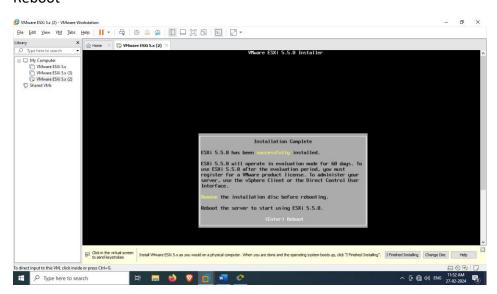
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Starting Installation process



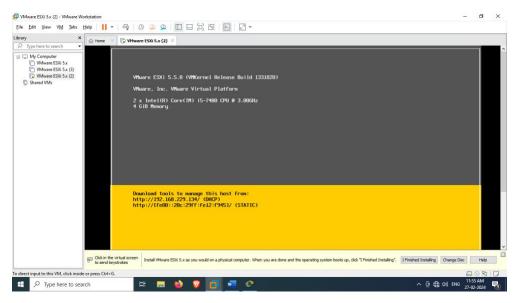
Reboot



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Output:



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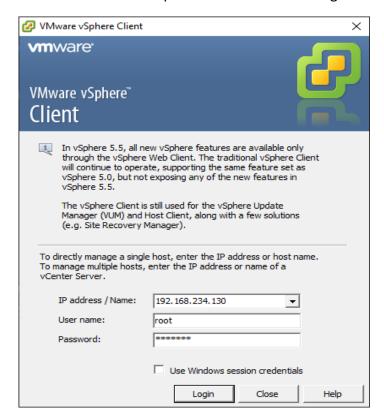
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Practical

- Step 1: Power on VMvare > Power on ESXi > copy the IP address which show on screen
- Step 2: Open Vsphere Client then enter IP address that you copy from ESXi

Enter username & password then click on Login

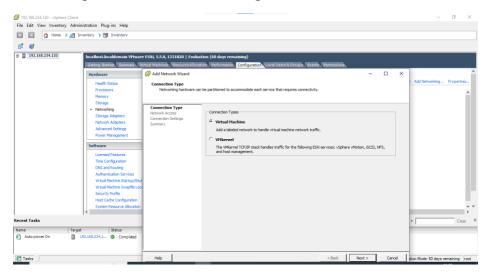


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Step 3: Click on ESXi servers IP

On the Right Hand side we will find configuration tab under configuration tab select Networking > Click on add Networking > Next

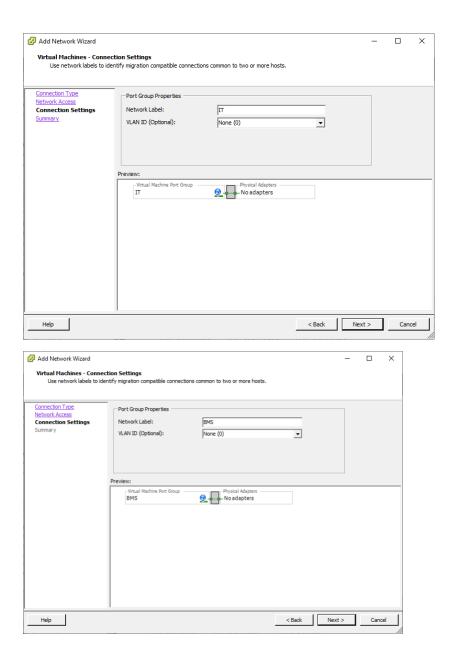


Step 4: Create a two network BMS, IT

On the network label give your network name > click next > Ok

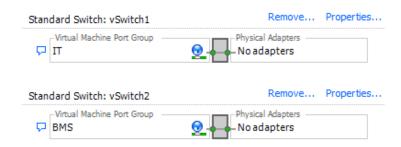
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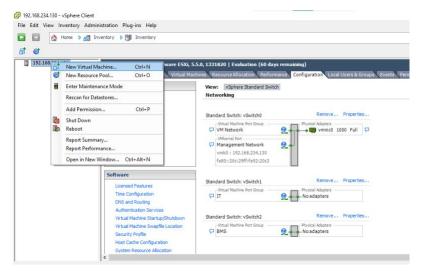


Here are we create IT & BMS Switches

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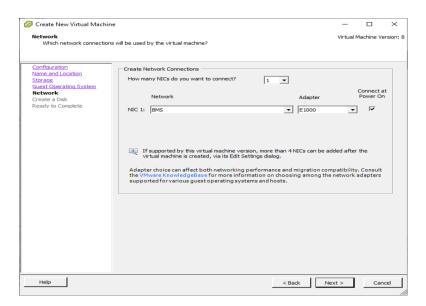
Step 5: Now assign system to particular Machine for that first we have to Create a Virtual Machine > Click on IP address which present on Right hand side > New Virtual Machine > Click Next > Give Name to machine > create



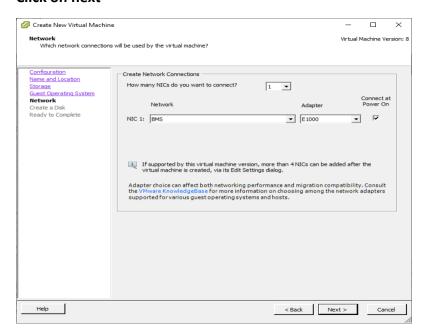
Step 6: Right hand side click on any one virtual Machine > edit Setting > Network Adapter > from drop down select any on network.

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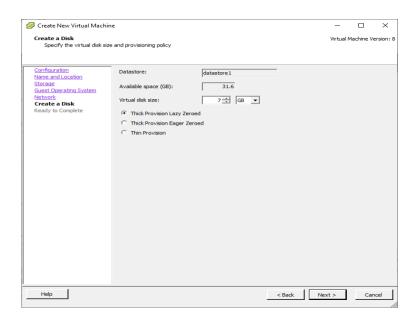
Click on next



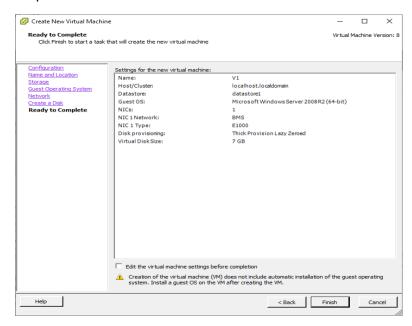
Next

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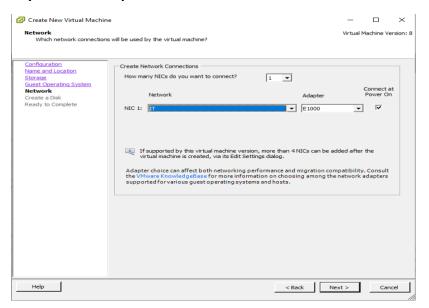
Step 7: Finish



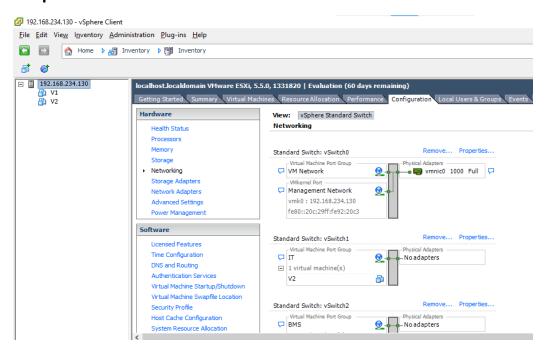
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Repeat same steps for Other virtual Machine



Output:



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Practical

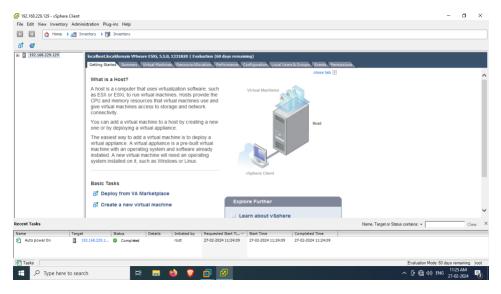
Accessing ISCSI Storage.

iSCSI stands for "Internet Small Computer System Interface." It's a protocol used for linking data storage facilities over a network, typically Ethernet. iSCSI enables the transmission of SCSI commands over IP networks

Initiator: The initiator is the client device that initiates the request for data from the storage device. It could be a server, desktop, or any other computing device that requires access to the storage.

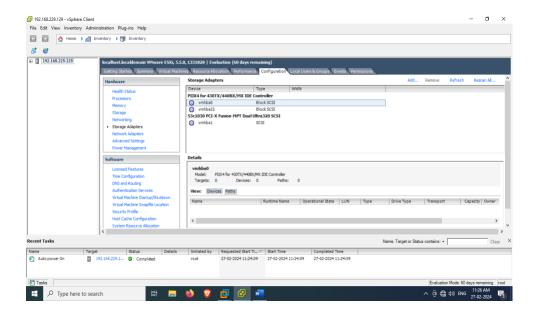
Target: The target is the storage device that holds the data being accessed. It could be a disk array, a tape library, or even a single hard drive. The target responds to the requests made by the initiator.

Step 1: Open vSphere Client

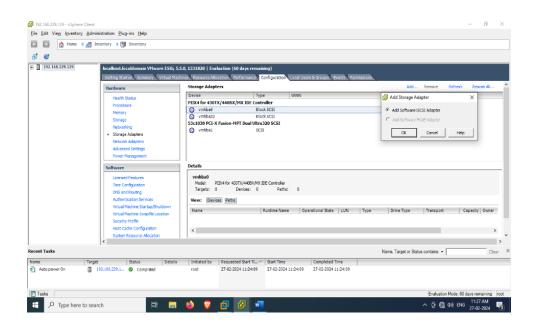


Step 2: Click configuration -> Storage Adaptor → add → ISCSI → Network Configuration → Add → Dynamic Discovery → Add (Enter VM's Name)

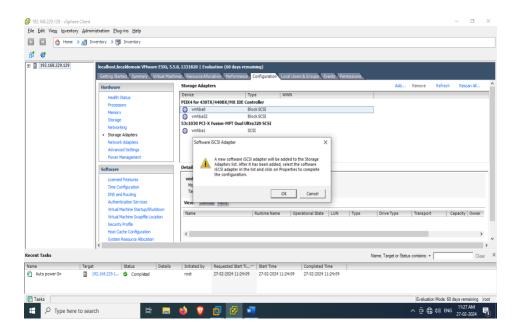
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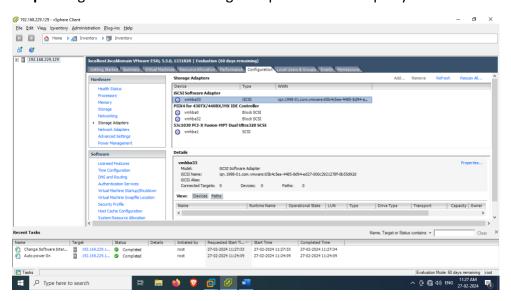
Step 3: Click On Add > OK > OK



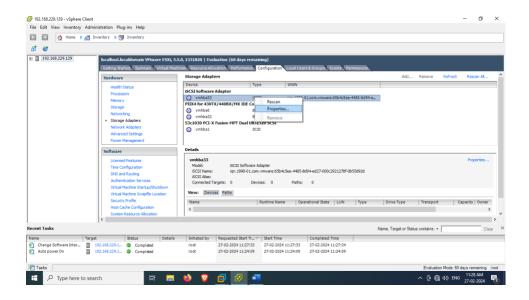
Class: TYIT Sem: VI Roll No.: TYIT01 Date:



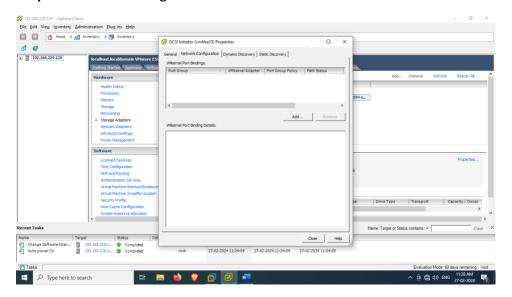
Step 4: Right Click on ISCSI Storage adapter name > Property



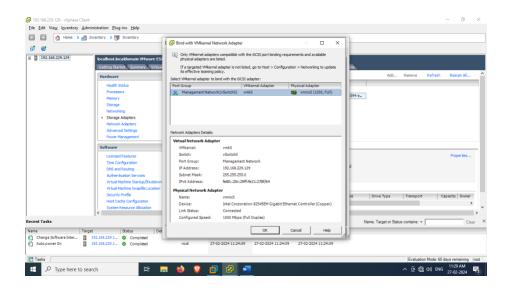
Class: TYIT Sem: VI Roll No.: TYIT01 Date:



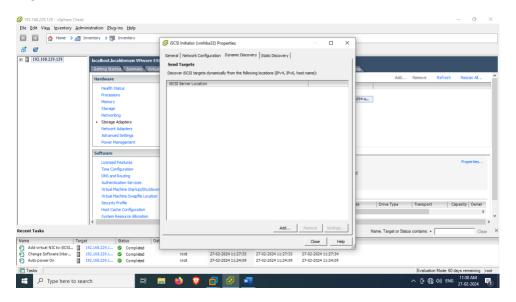
Step 5: Network Configuration > Add > OK



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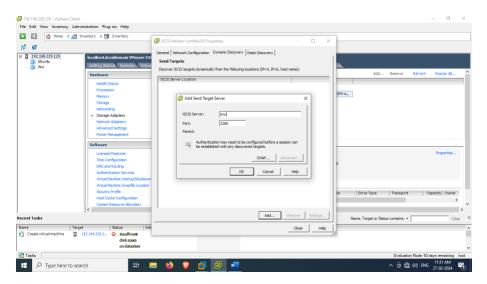


Step 6: Click on Dynamic Discovery > Add > for ISCSI Server choose your Virtual Machine Name > OK

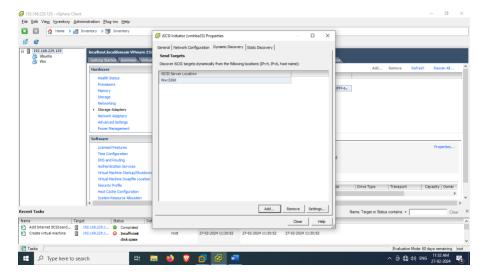


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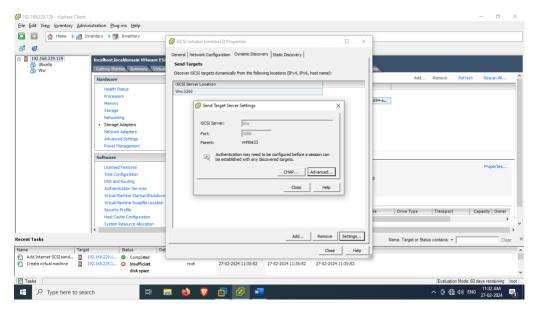


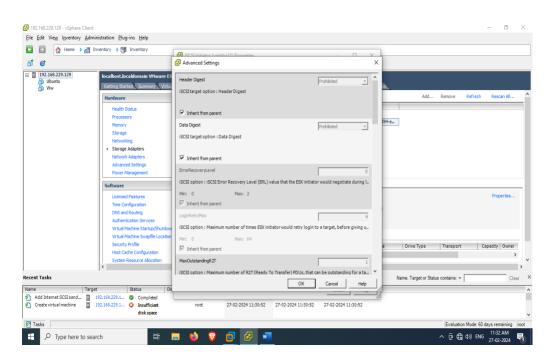
Here We add successfully ISCSI Target



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Step 7: For Checking Advance Setting > Click on Target Name > The Click on Advance





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Output:

