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| **DOCUMENT RULES:** | |
| **Task Number / Name:** | **Task / NFS Server** |
| **Task name & column name should be written:** | **Bold (CTRL+B)** |
| **Commands should be written in the after # sign:** | *Italic (CTRL+I) #hostname* |
| **Output photo should be cropped or compressed:**  **Photo could be more than one:**  **If you need extra lines, add the line next after it:** | ***Description photo should be with title bar (CTRL + I + B)*** |
| **All other text should be written:** | Standard |
| **Font name and text size:** | Calibri and 9 |
| **Group name:** | Dev\_ops\_ |
| **Student name and surname:** | Huseyin Mammmadli |
| **E-mail:** | huseinlmemmedli@gmail.com |
| **WhatsApp number:** | **+994555687441** |

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| **#** | **Task names** | **Command steps and outputs** |
| **1** | 1. **Lab requirements:**   **-We need 1 Ubuntu VM on Desktop Hypervisor with Snapshoot**  **- MobaXterm terminal Client software should access to guest VM** | Ubuntu 18.04 Bionic Beaver mini.iso |
| **2** | 1. **Check status of firewall and take screenshot of the CLI output.** 2. **If firewall is not installed left it as have.** 3. **Give permanent SSH access from.** 4. **SSH virtual port is 22. If SSH server is not installed, please install it.** 5. **To be check connectivity use commands.** 6. **Update the system and application.** | **For instance: start**, **stop**, **enable**, **disable, status**  *# firewall-cmd –state*  #*ping x.x.x.x*  *#telnet x.x.x.x 22*  *#sudo apt-get update* |
|  | 1. **Server side** |  |
|  | 1. **Install NFS Server to the Server machine** | *#sudo apt install nfs-kernel-server* |
|  | 1. **Export and allow from Client machine** | *#nano /etc/exports* |
|  | 1. **Create folder for usage** | *#sudo mkdir /var/nfs/general -p*  *#sudo chown nobody:nogroup /var/nfs/general* |
|  | 1. **Export to the client** | *#sudo nano /etc/exports* |
|  | 1. **Restarting NFS** | *#sudo systemctl restart nfs-kernel-server* |
|  | 1. **Allow firewall from nfs** | *#sudo ufw allow from 192.168.152.140 to any port nfs* |
|  | 1. **Client side** |  |
|  | 1. **Install nfs commono to client machine** | *#sudo apt install nfs-common* |
|  | 1. **Create folder as the same in nfs server** | *#sudo mkdir -p /nfs/general*  *#sudo mkdir -p /nfs/home* |
|  | 1. **Mounting from server** | *#sudo mount 192.168.152.138:/var/nfs/general /nfs/general*  *#sudo mount 192.168.152.138:/home /nfs/home* |
|  | 1. **Checking nfs connection** | *#df -h*  *#du -sh /nfs/home* |
|  | 1. **Create file in client** | *#sudo touch /nfs/general/file1.txt*  *#sudo nano /nfs/general/file1.txt* |
|  | 1. **Checking this file from server as seen** | *#ls /var/nfs/general*  *#cat /var/nfs/general/file1.txt* |