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| **DOCUMENT RULES:** | |
| **Task Number / Name:** | **Task 8 / Install nfs server on ubuntu** |
| **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\_Tn\_2 |
| **Student name and surname:** | Samir Mirzayev |
| **E-mail:** | [samir.mirzeyev2004@gmail.com](mailto:samir.mirzeyev2004@gmail.com) |
| **WhatsApp number:** | **+994556207626** |

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| **Task names** | **Command steps and outputs** |
| 1: Install NFS Kernel Server in Ubuntu | *# sudo apt install nfs-kernel-server* |
| 2: Creating the Share Directories on the Host | specifying the NFS mount directory name.  *# sudo mkdir -p /var/nfs/samir*  For remove any restrictions in the directory permissions.  *# sudo chown -R nobody:nogroup /var/nsf/samir*    To give the read, write and execute privileges to all the contents inside the directory.  *# sudo chmod 777 /var/nfs/samir* |
| 3: Grant NFS Share Access to Client Systems | Permissions for accessing the NFS server are defined in the **/etc/exports** file  *# sudo nano /etc/exports*    *Then we provide access to cliet(s)*  *# /var/nfs/Samir ClientIP (rw,sync,no\_subtree\_check)*  *Also we can use ‘\*’ instead of ClientIP. It means everyone can access to the files*     * **#rw**: Stands for Read/Write. * **#ro**: read only * **#sync**: Requires changes to be written to the disk before they are applied. * **#no\_subtree\_check**: Eliminates subtree checking * **#all\_squash**. To squash every remote user, including root, * **#wdelay** Causes the NFS server to delay writing to the disk if it suspects another write request is imminent. * **#no\_wdelay** turns off wdelay feature, but is only available when using the sync option. |

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| 4: Export the NFS Share Directory | **# sudo exportfs -arvf**  **Then restart system**    **As we can see it works** |
| 5: Allow NFS Access through the Firewall | For the client to access the NFS share, you need to allow access:  **#sudo ufw enable**  **Check status**  **#sudo ufw status** |
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