

## NASA 2016 HW7 SA1

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1.

References:

<http://nfs.sourceforge.net/nfs-howto/ar01s03.html>

<http://linux.die.net/man/5/exports>

This line means that the machines specified by the IP subnet “192.168.123.0/24” have access to the directory “/share,” with the following options selected:

- i. The client machines “192.168.123.0/24” have both read/write access to “/share.”
- ii. The default process called “subtree checking,” which checks whether the requested file is in the proper part of the volume, is disabled, and thus speeding up the file transfers.
- iii. Root on client machines has the same level as root, instead of nobody by default, on the system.

2.

References:

[http://linux.vbird.org/linux\\_server/0330nfs.php](http://linux.vbird.org/linux_server/0330nfs.php)

<http://docs.oracle.com/cd/E19253-01/817-5093/fsmount-69423/index.html>

<http://linux.die.net/man/8/mount>

<https://help.ubuntu.com/community/Autofs>

[https://www.centos.org/docs/5/html/5.1/Deployment\\_Guide/s2-nfs-fstab.html](https://www.centos.org/docs/5/html/5.1/Deployment_Guide/s2-nfs-fstab.html)

- a `mount -t nfs 192.168.123.100:/share /mnt/share`
- b `echo '/mnt /etc/auto.nfs' >> /etc/auto.master && echo 'share 192.168.123.100:/share' > /etc/auto.nfs && /etc/init.d/autofs restart`
- c `echo '192.168.123.100:/share /mnt/share nfs defaults 0 0' >> /etc/fstab`