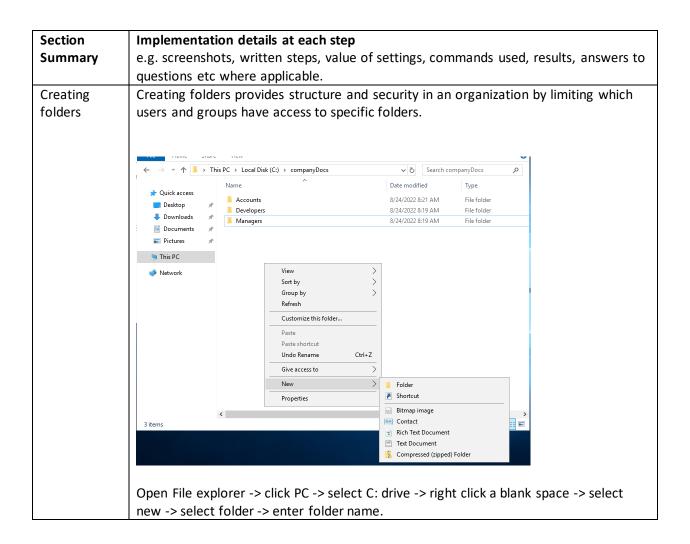
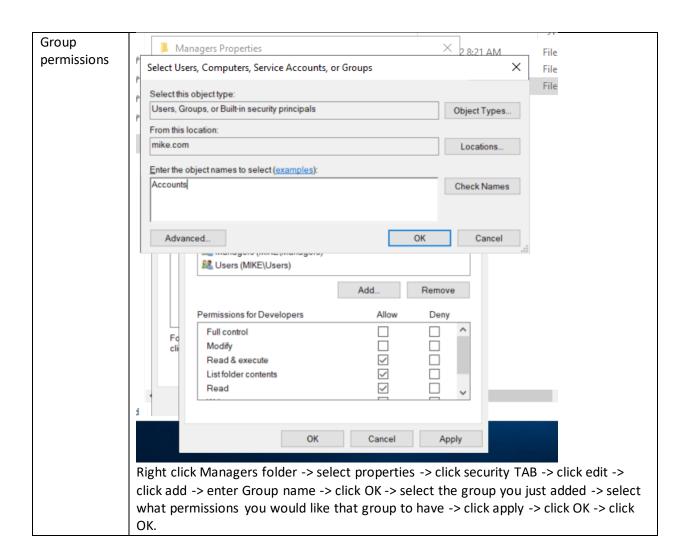
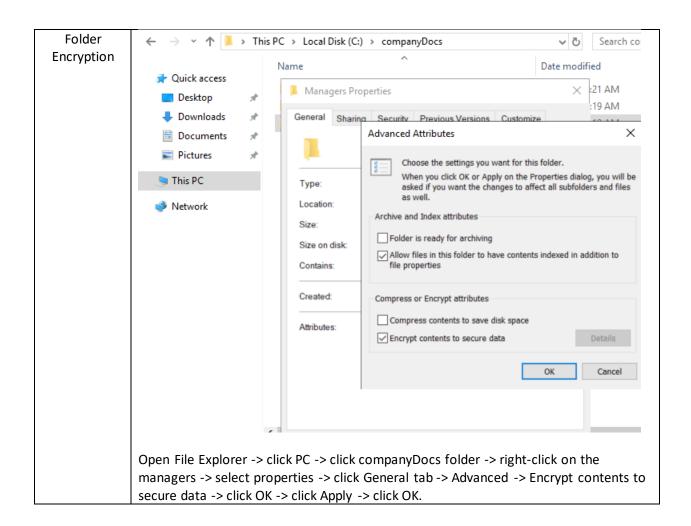
INFO603 Practical project documentation template (Engineering journal)

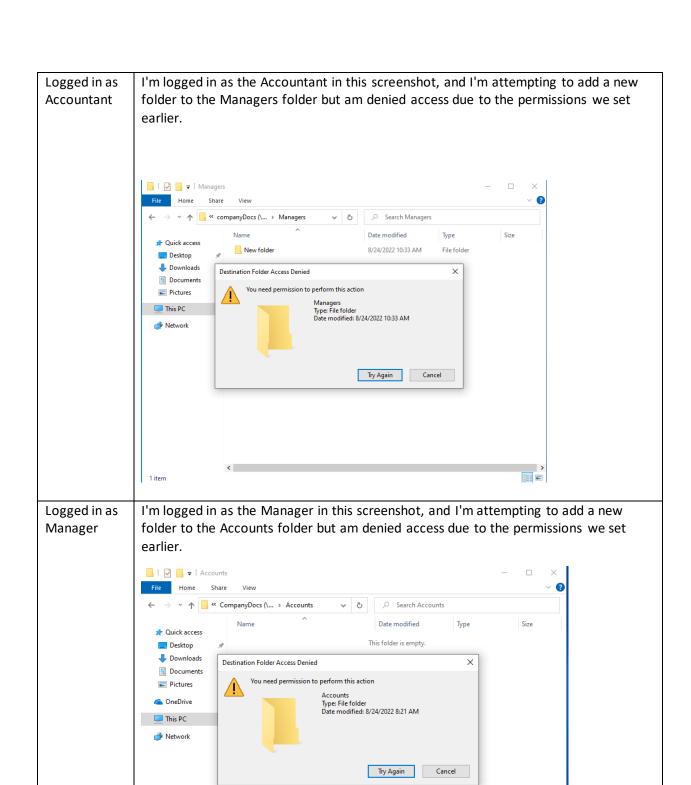
Section number: Four

Student name: Dominic Nathan

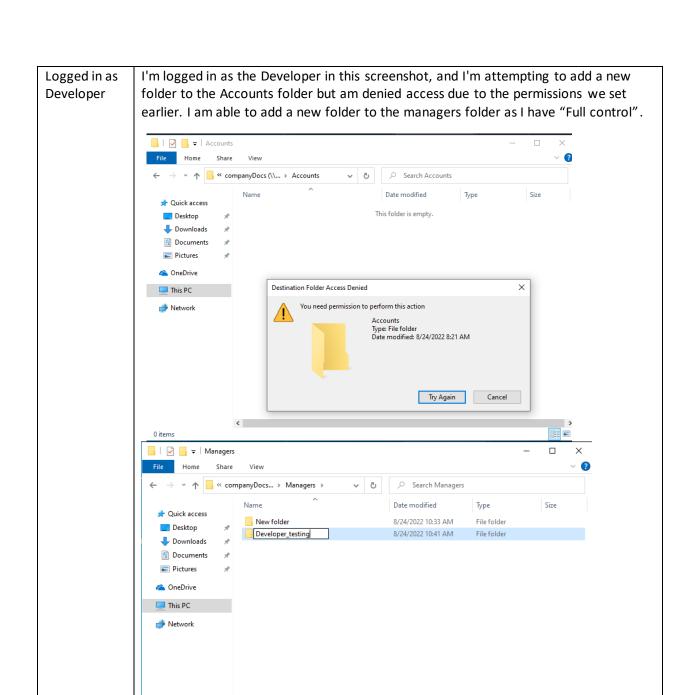






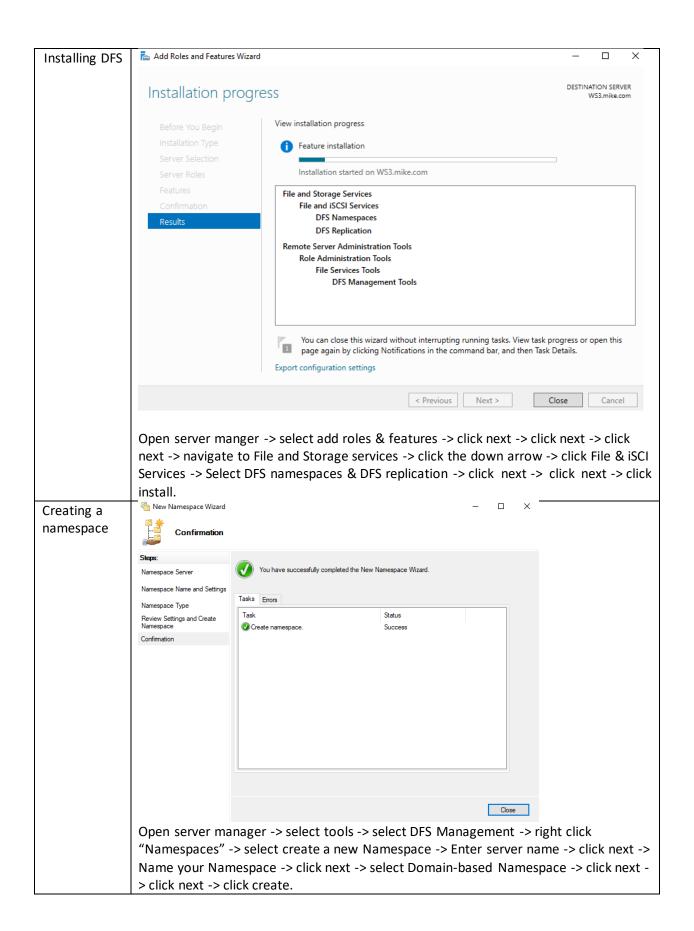


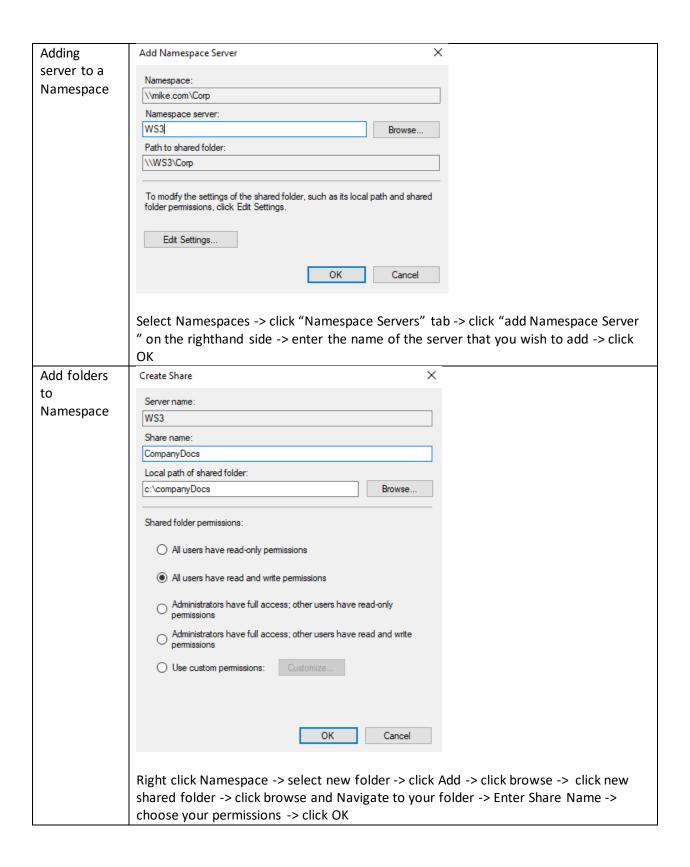
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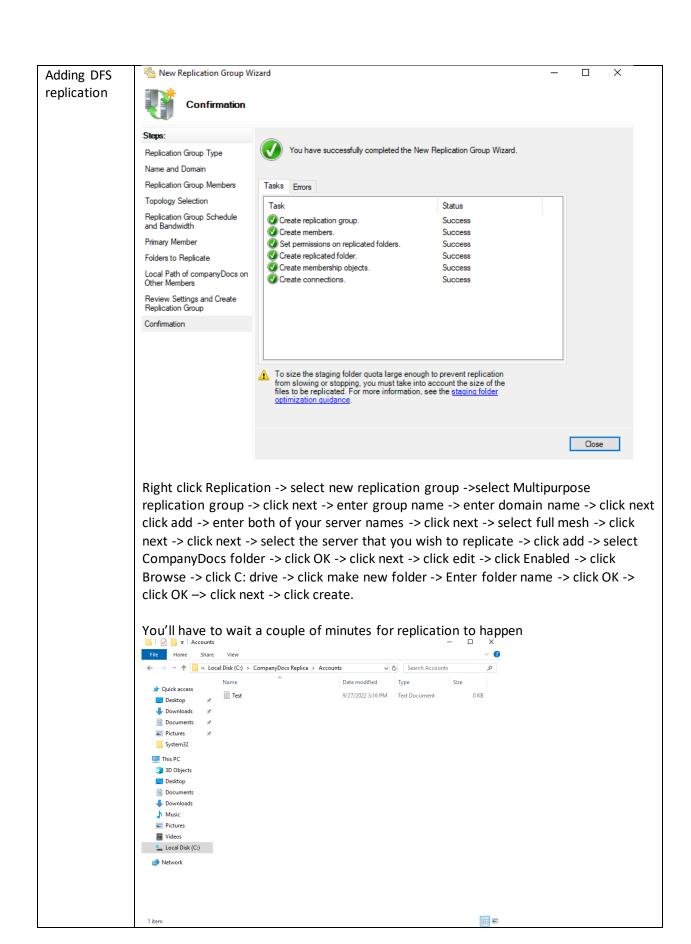


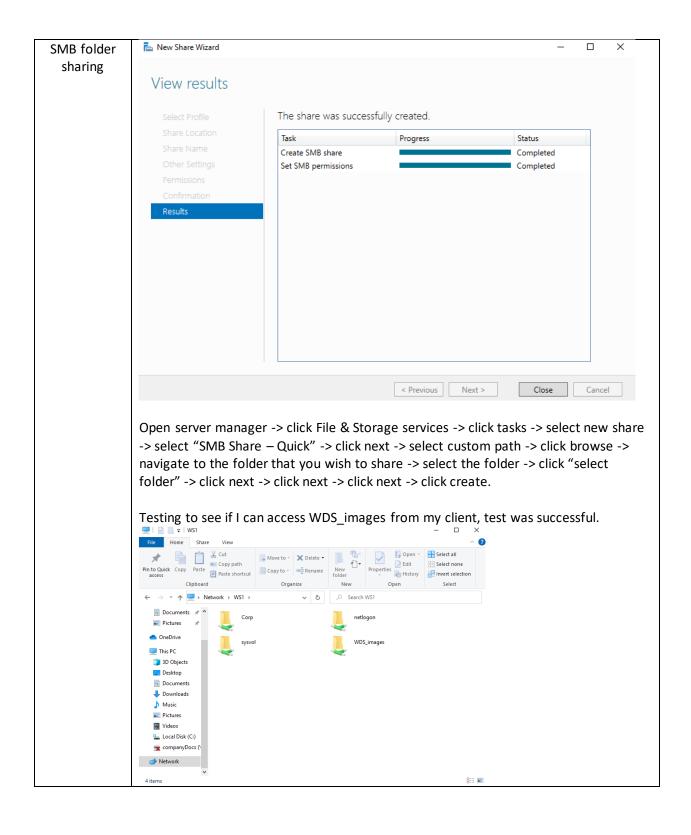
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2 items

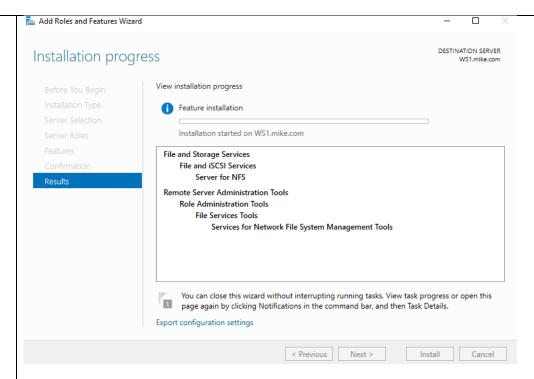




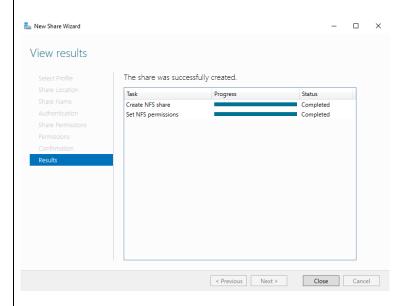




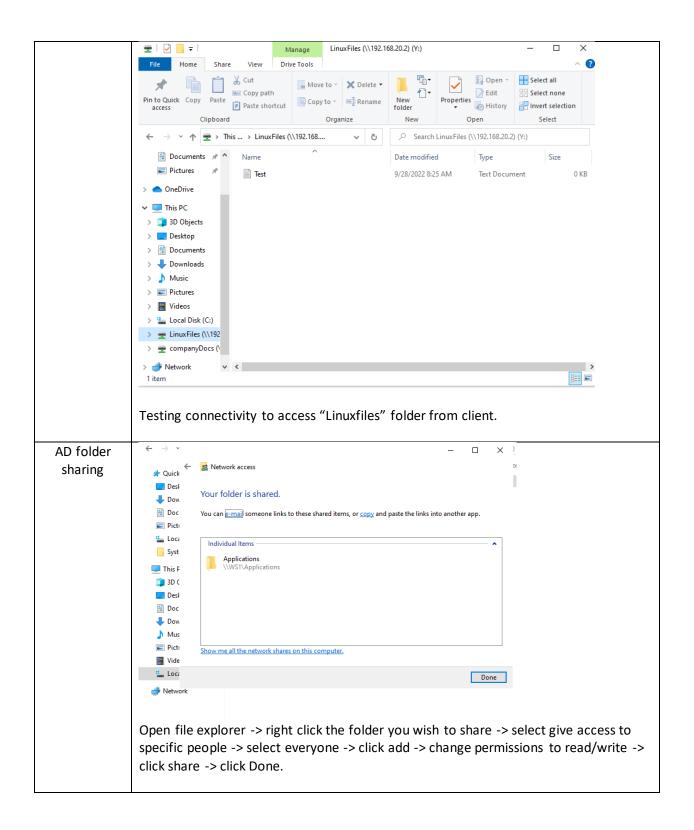


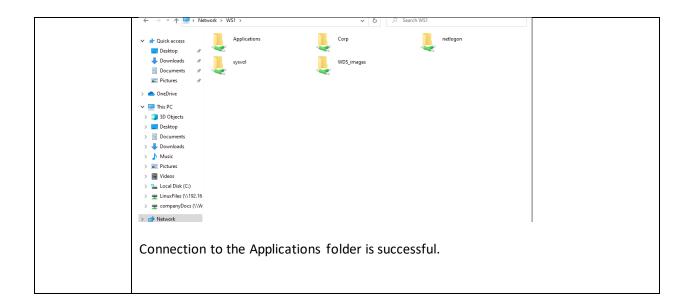


Open server manager -> click manage -> click add roles & features -> click next -> select role-based installation -> click next -> click next -> click File & Storage Services -> click File & iSCI Services -> select Server for NFS -> click next -> click install.



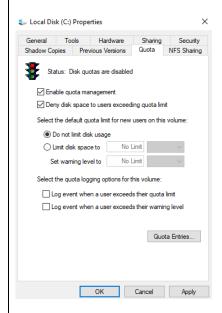
Click File & Storage Services -> click Shares -> click TASKS -> select "NFS Share - quick" -> click next -> select custom path -> select browse -> select your folder -> click "select" folder -> click next -> click next -> select "No server authentication" -> select "Enable unmapped user access" -> click next -> click add -> select host -> enter server name -> select read/write for permissions -> select "allow root access" -> click add -> click next -> click next -> click create.



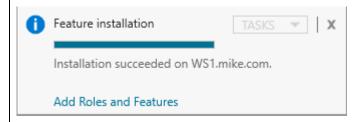


Folder Quota

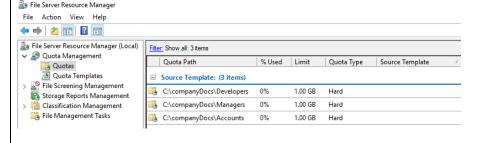
Open file explorer -> click This PC -> navigate to the folder/folders that you want to enable quota's for -> right click your folder -> select properties -> click Quota Tab -> click enable -> click apply.



Open server manager -> click add roles & features -> click next -> click next -> click next -> click next -> click file and storage services -> click File & iSCI Services -> select File Server Resource Manager -> click next -> click next -> click install.



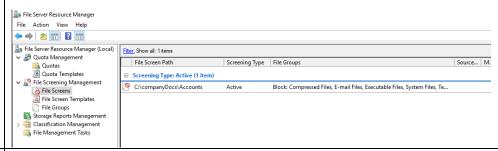
Open tools -> select File Server Resource Manager -> click Quotas -> right click a blank space -> select create new quota -> click browse -> navigate to your folder -> select your folder -> click OK -> select define custom quota properties -> click Custom properties -> set limit to 1GB -> click OK -> click Create -> click Save as template -> click OK



Filescreen

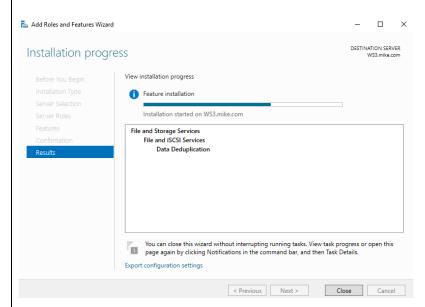
This allows users to control what type of files can be upload and stored in specific folders.

Open file server manager -> right click a blank space -> select create File Screen -> click browse -> select your folder -> select define custom file screen properties -> click Custom properties -> select which type of files you want to allow -> click OK -> click create -> click save as template -> click OK

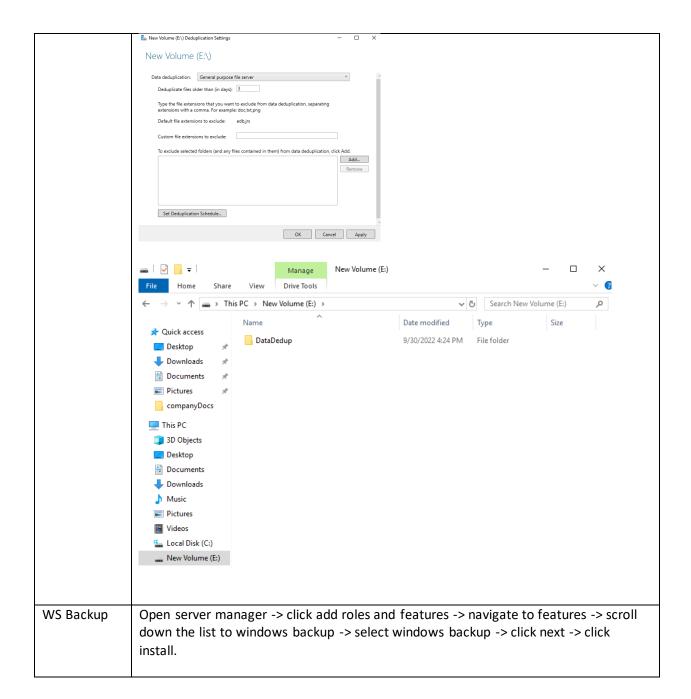


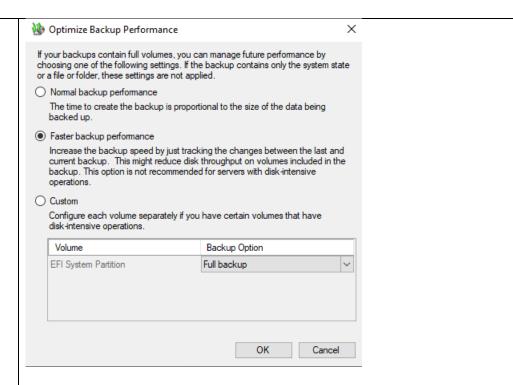
Data deduplication

Open server manager -> click add roles & features -> click next -> click next -> click next -> click next -> click file and storage services -> click File & iSCI Services -> select Data Deduplication -> click next -> click next -> click install.

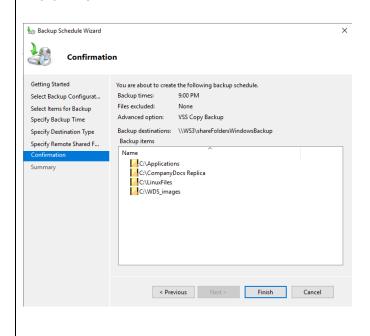


Go to disks in server manager -> right click you inactive drive -> select create new volume -> click next five times -> click data deduplication -> select general purpose file server -> click apply.





Once installed open tools -> select windows server backup -> click configure performance settings -> select Faster backup performance -> click OK -> click Backup Schedule -> click next -> select custom -> click add items -> select the files and folders that you want -> click next -> select once a day -> click next -> select backup to network shared folder -> click next -> enter pathway -> enter credentials -> click next -> click finish.



List At the three most useful Internet resources that you used (provided by the tutor)

https://www.youtube.com/watch?v=37Kx9oiJKTQ
https://www.youtube.com/watch?v=gdmq5qOrVck
https://www.youtube.com/watch?v=yDvbOsJIFpE

List all (at least three) Internet resources that you found and used that were not provided by the tutor)

https://docs.vmware.com/en/VMware-Fusion/12/com.vmware.fusion.using.doc/GUID-4BE3F3B7-9579-4C30-B35E-5BC41267CDFD.html

 $\frac{https://support.microsoft.com/en-us/windows/map-a-network-drive-in-windows-29ce55d1-34e3-a7e2-4801-131475f9557d$

https://docs.rackspace.com/support/how-to/troubleshooting-dfs-replication/

Reflect on at least two significant problems you came across during the implementation of this section and the solution you found. Use at least five sentence to describe each problem and five sentences to describe each solution. Demonstrate your critical thinking and problem-solving abilities.

Problem	Solution
I had an issue with DFS where it wasn't replicating. It was failing to replicate because of the permissions that were set.	I had to change the permissions for one of my user groups for it to work.
I had an issue where I couldn't see my NFS shared files as I hadn't mapped a network drive to it's location.	My solution was to map a network drive on WS3 to be able to see the folder, which worked allowing me complete access to the folder.