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Lab Report 1

Objectives:

Create a second domain controller and install DFS with replication.

Equipment List:

The technology used in this lab was:

* Server with 300 GB disk
* Monitor
* Keyboard and mouse
* Browser for remote connection to the virtual environment
* Lab computer for access remotely
* Instruction pages

Notes and Observations:

This lab was rough. We started off smooth, but we ran into some problems towards the end. We were struggling with the share folders and getting them to behave the way they should. We were able to follow the directions for the DFS, but once we tested it out we had issues. None of us were able to fix it on the first day of the lab.

Diagrams, flowcharts, and figures:

References:

No references were used in this lab.

Questions:

1. What advantages does DFS offer over regular folder shares?
   1. It is scalable, and it makes it easy because everything is in one space. This prevents individuals from having to use their resources to store their files.
2. What advantages does domain-based namespace have over standalone DFS?
   1. The standalone approach is not naturally replicated, which makes it more of a hassle when it is needed to replicate to other servers.
3. What is the purpose of the referral in DFS? Why is it important to have a backup referral server?
   1. With the referral tab we can decide the ordering method for clients that cannot access the Active Directory. It allows to have control over which folder users can access if they lose the file serve in the Active Directory. Backups are a good idea simply because it can save the business and its assets.

Conclusion and Reflection:

Overall, this lab was rough. We started off smooth, but as time went on, we had some major issues with the DFS. For some reason we were having trouble getting the folders and permissions to do what we wanted them to when went through the replication process. We battled with this issue for quite a while, but we managed to get it fixed before the end of the first class period. After that point it was simple, and we just followed the instructions to complete the lab.

Link to github:

<https://github.com/jtylerzamecnik/SysAdmin/blob/master/README.md>