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Lab Report 1

Objectives:

Promote a Windows Server to a domain controller and add users, organizational units, and a clients computer.

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
* Jump drive holding software

Notes and Observations:

This lab went the smoothest by far. Nothing took very long besides installation. The lab itself took three class periods, so it took longer than I had anticipated, but we were able to get things done in the end. Naturally, everything was done remotely through the lab computer. A lot of the time was spent installing Windows and adding users.

Diagrams, flowcharts, and figures:

References:

No references were used in this lab.

Questions:

1. Why was it important we changed the Preferred DNS Server on the Client?
   1. We changed the DNS Server to allow for the Windows change.
2. What extra step did you have to do to allow you to log in to the client with a domain user? Why do you suppose the Microsoft added that extra requirement?
   1. We had to go through the server manager and go to the remote desktop folder and allow access to for our users to the remote desktop.
3. Why Active Directory? What advantages does it offer over using just regular servers on your network?
   1. Active Directory allows for more organization and simplicity. Because we are setting things up for a business it is important to allow for a secure network that is organized and easy to access for everyone.
4. List several reasons why companies use virtual servers.
   1. Less expensive
   2. Less downtime
   3. Easy management
   4. Efficiency
   5. Better chance of recovery

Conclusion and Reflection:

Overall, the lab went smoothly. We were able to get things set up with only a few hiccups. We didn’t have any major problems, but we did have a slight problem with processes like adding the product key. The installation of Windows took a while for my group, which was a setback, but once it was done, we were able to get things done. I expected things to go wrong when trying to log in as a user, but we were able to on our first try. This was the first lab where we didn’t have a ton of little problems setting us back, but instead installations seemed to take the most time.

Link to github:

<https://github.com/jtylerzamecnik/SysAdmin/tree/master/Lab%203>