

Lab #002

Virtual Windows Server: Bob the Virtual Environment

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**Learning Objectives:** The objective of this lab was to configure a server to host our virtual environment, from which we could run our vm's.

**Equipment:**

- Dell rack servers
- DVD Installation of ProxMox VE
- Browser to remotely connect to ProxMox virtual environment
- ISO file of Window Server 2016 to install VM
- Remote Desktop to access WinServer 2016

**Notes:** We named our virtual environment Bob (Important!). Our drives initially didn't show up in the boot order. We went through utility menus until we found the configuration utility. In there, we discovered that our drives were showing up as "foreign." We then went into the system services menu, and went into a raid configuration wizard that was able to get our drive set to active. After completing that and rebooting, we started installing proxmox. Shortly after, the server "killed itself" by spitting the cd drive out. We rebooted, and it worked fine. The proxmox utility was straightforward, and we got it to work by simply following the instructions. The ip is 10.136.212.42.

**Diagrams:** N/A

**References:** N/A

**Questions:** We changed the ip to what Troy gave us, and we changed the name. We called it winserver1, 10.136.212.42/22, 10.136.212.1, dns servers is 127.0.0.1. 4E-13-9A-33-44-1C. 10.136.0.0, 0.0.000000|00.52, 10.136.212.1-10.136.215.254. Default gateway is the machine that hosts talk to to connect to something outside of their network, no internet connection.

**Conclusion:** This lab was unintentionally great. Having issues with the drives themselves gave us great insight into how setting up a server can go wrong, and gave us plenty of troubleshooting experience. I learned a lot!