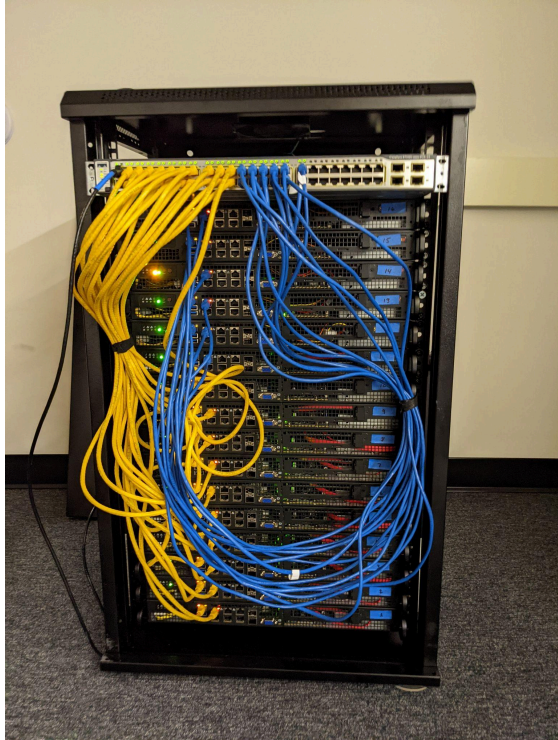


Milestone Bare Metal 1 - ESXi Setup

💡 You have been assigned your own physical server, located in a fully functional but tiny data center in Joyce. You will be assigned either the odd or even rack depending on your section. Your job will be to access and install ESXi 8x on this server and deploy basic services such as networking, firewall and a management virtual machine.



Resources

- [Network Assignments](#)
- [Network Architecture](#)
- [Tech Journaling Modules](#)
- [xubuntu script for base-vm](#)

Demonstrations

- [Milestone Overview \(We will also go over this in class\)](#)
- [ESXi Installation](#)
- [ISOs and Networking](#)
- [480-fw](#)
- [xubuntu and proof](#)

Requirements

The rough steps you will take, document and test include.

- Access the server console iKVM
- Boot to an ESXi8 Installer USB Stick
- Install ESXi
- Configure the Management Network

💡 This will be a chaotic exercise with multiple students vying for time with the physical servers, be patient.

- Access the ESXi web interface
- Remove the IPMI interface connection
- Configure any secondary datastores available
- Create a virtual 480-WAN
- Deploy your cyber.local gateway system called 480-fw
- Deploy a 480-WAN based virtual machine (xubuntu-wan)

Deliverables

💡 You do not need to send a link to your journal or even provide access to your instructor. You do need to capture in your video a structured walk through of the content you've authored for this assignment. Make sure to meet the journal requirements specified below. Work on your production values because in this day and age, video demonstrations are a valid means to communicate.

- A video that demonstrates the test case shown in the proof video
 - Make sure to demonstrate
 - from xubuntu-wan tracepath to champlain.edu with 4 hops, print out the IP address as well (see switches in video)
 - Named xubuntu-wan administrative user
 - Your IP is 10.0.17.100
 - browse to or curl champlain.edu
- At the end of your video demonstration, capture a structured walk through of all the wiki content you generated in support of this milestone
 - Expectations and advice for your tech journal can be found in this [document](#) and include:

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- Detailed configuration and build steps to include links to any configuration files you need to generate.
- A chronological diary of events by day that indicate those things you accomplished.

Grading Criteria.

You must meet all the requirements to move on, this includes evidence of comprehensive and professional documentation and journaling.