

Webster Cyberlab

Live Training Environment

Chris Blask – Management Analytics - April, 2015

Instructors: Getting Credentials

• Get a set of credentials for your students to access the cyberlab. You get them by emailing to <u>cyberlab@all.net</u>. You will receive an email that looks like this:

Goto:

http://cyberlab.all.net Select "Reservation" The proper answers are: SkibberBlog UID 2015Q1 UID is any of: aad3bf2a1ffc642c0fe2c90692e6bdag 2c07e3627127263d4d79d42fe8aeacfe 7087348833a34b81f923171d00c07bf1 fdde0d49743401362c884395fb52d0f4

Each is allocated 5 slots of 24 hours

You can dole out these instructions (with the requested number of students each getting one of the UIDs) to professors (and yourselves) as needed. We don't want the identities of who they were given to.

Instructors: Supplying Credentials

• Send each of your students credentials to access the Cyberlab. Example:

Goto:

http://cyberlab.all.net

Select "Reservation"

The proper answers are:

SkibberBlog aad3bf2a1ffc642c0fe2c90692e6bdag 2015Q1

Students: Read the Tutorials

- Cyberlab.all.net
- Tutorials, videos and other content



Login to the Cyberlab

Using the credentials your instructor gave you, login as follows:



Reservations

• Select your reservation times



Reservation Information

• This will take you to a screen that tells you how to login:



Using Reservation Information: SSH

- There are two pieces of information you need here to go further. The first is the SSH command line, the second is the password.
- SSH Command Line:

ssh -L5902:localhost:5902 vnc1@cyberlab1.all.net -p 12345

 If you using a linux command line, you can enter this command directly. If you are using a tool like Putty, configure Putty as follows for this example.

SSH: Configure Putty for Windows



Creating SSH Tunnel to Cyberlab

 Login to Cyberlab with SSH. When you connect, use the username and password provided.





ssh -L5902:localhost:5902 vnc1@cyberlab1.all.net -p 12345

Connecting with VNC: Using VNC Viewer

• Note settings: use information for your reservation

<mark>V</mark> 2	VNC Viewer	- 🗆 🗙
VNC® Vie	wer	V S
VNC Server:	localhost:5902	¥
Encryption:	Prefer off	¥
About	Options	Connect



ssh -L5902:localhost:5902 vnc1@cyberlab1.all.net -p 12345

The Cyberlab Environment

- Your Cyberlab Virtual Machine
- Hosts additional VMs



The Cyberlab Environment

• virtmanager



The Cyberlab Environment

• Set Escape keys



The Cyberlab Environment

• Start Virtual Machines and X Windows



The Cyberlab Environment

• Find and run experiments



The Cyberlab Environment

External Denial of Service



The Cyberlab Environment

• Internal Denial of Service



Build Your Own Experiments

- The Cyberlab is intended for education and research
- Design and build experiments
- Group projects
- Tutorials explain how to save work
- Your experiments may be added to Cyberlab