Linux Scavenger Hunt

Cybersecurity

Linux 3 Day 3

Let’s Get Ready for a
Linux Scavenger Hunt

Today, we will be you will be using a pre-configured headless Linux server and applying the skills we've learned over the past three weeks to complete a fun activity known as **Capture the Flag (CTF)**.

Setting up the headless server:

While the machine is running from your desktop, you have a few option for connecting to it:

1. You can use the VM's GUI and login directly.

2. If you would like to work from the **command line**, you can connect using ssh. (As demonstrated by the instructor.)

CTF Instructions and Rules

- You can work alone or in teams.
- If working with a team, all members must participate equally.
- To complete this CTF, you will launch a headless VM and login.
- All previous material and internet resources are fair game.
- While each member can work on different steps, most steps must be completed in order.
- Professors and TAs will not be providing hints or assistance unless there are technical issues that prevent the VMs from running correctly.

Hints

- Take note of anything interesting that you find..
- Each flag has the following format::
  `flag_1:97df27aec8c251503f5e3749eb2ddea2`
- There are **eight** flags in total. The first seven flags will be combined to create the final flag.
- Write down any credentials you find. You may need to use them later.

Let’s Get Started:

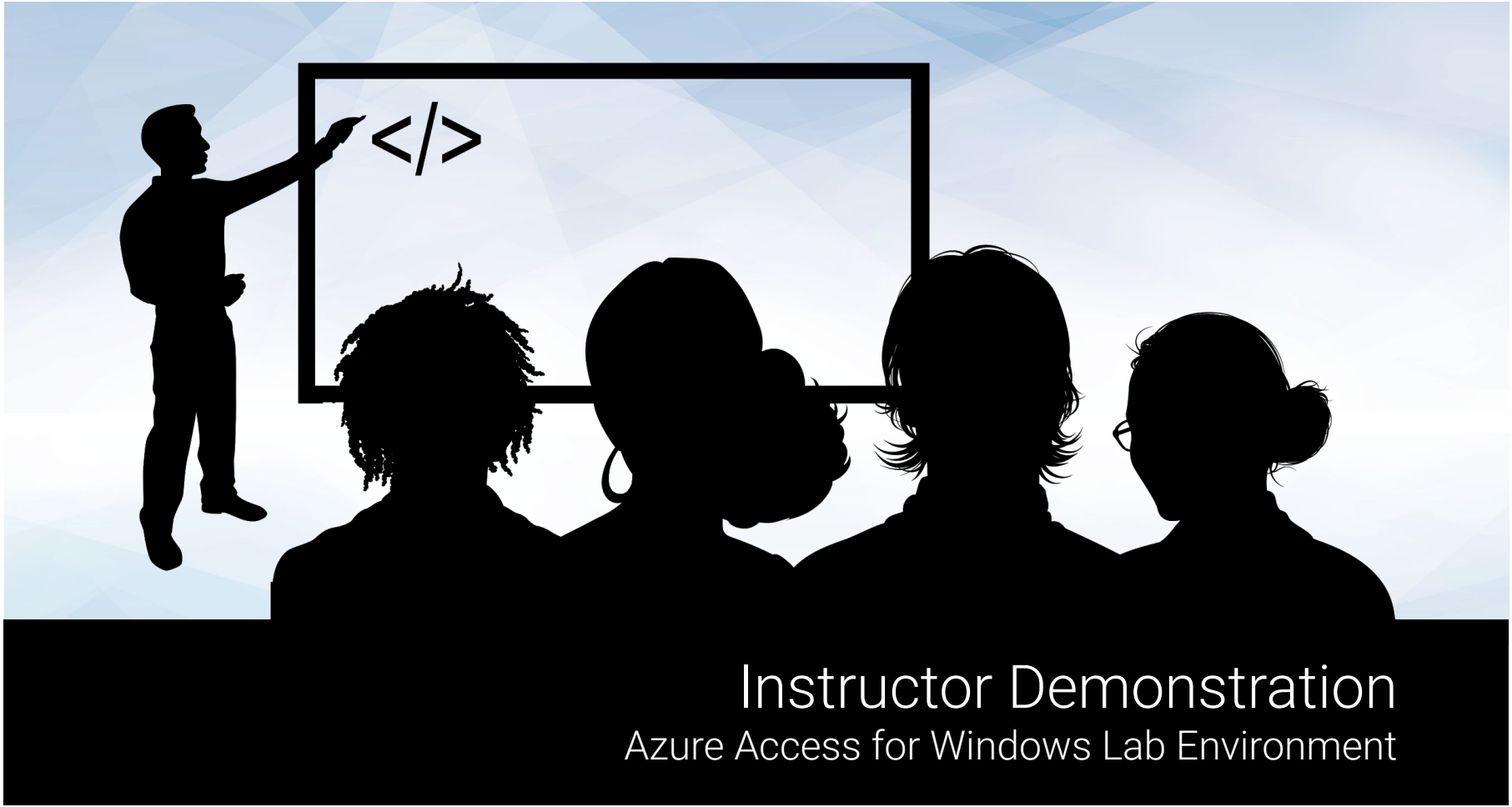
2 Hours

CLICK TO START TIMER

Times Up! Let’s Review.

Next week, we will begin to learn system administration and security tools for one of the most popular operating systems: **Windows**.

For that unit, we need to use a **new Azure lab environment**.



Instructor Demonstration

Azure Access for Windows Lab Environment

Azure Lab Credentials:

For Day 1 of Windows, you will use only the Windows 10 machine. Select it in the center pane, then click Start in the bottom-right, near where you clicked Delete Saved State.

When the machine has started, click Connect, and log in with the following credentials:

- Credentials for the Windows 10 VM for Day 1 Activities:
  - Username: `sysadmin`
  - Password: `cybersecurity`

<u>Important: when you are done with your lab, you will need to:</u>

- Turn off the Windows VMs inside of Hyper-V.
- Close the RDP connection to turn off the host VM.