**Exploring Your Virtual Environment Lab**

Gaining an understanding of virtualization will prepare students for careers in cybersecurity and information technology by fostering the ability to test and use many different operating systems and tools from a single point.

Students will explore the virtual lab in preparation for future labs and assignments.

View "1-3 Exploring the Azure Desktop and Hyper-V Environment," from the video playlist located in Class Resources.

Perform the following tasks and take a screenshot of the results of each task. Write a sentence describing the screenshot. Please note: exclude the psSense VM from all of the tasks. It is only there to provide the private network.

* + Connect to the Kali Linux and Windows VMs and gracefully shut down, then restart them, pause, and unpause them.
  + From the Kali Linux VM, ping the Kioptrix 2, Kioptrix 3, and Window 10 VMs.
  + On the Windows 10 VM:  
    - Create a checkpoint.  
    - Create a text file on the desktop using your last name as the file name.  
    - Create another checkpoint.  
    - Delete the file and empty the Recycle Bin.  
    - Revert the VM to the last checkpoint, thereby restoring the deleted file.

Place all screenshots in a Microsoft Word document and submit it to the assignment dropbox. When submitting screenshots as part of your assignment, you must always include a full image of your desktop window, including the date and time in the lower right-hand corner of the Windows desktop or the upper-right corner of the macOS desktop.