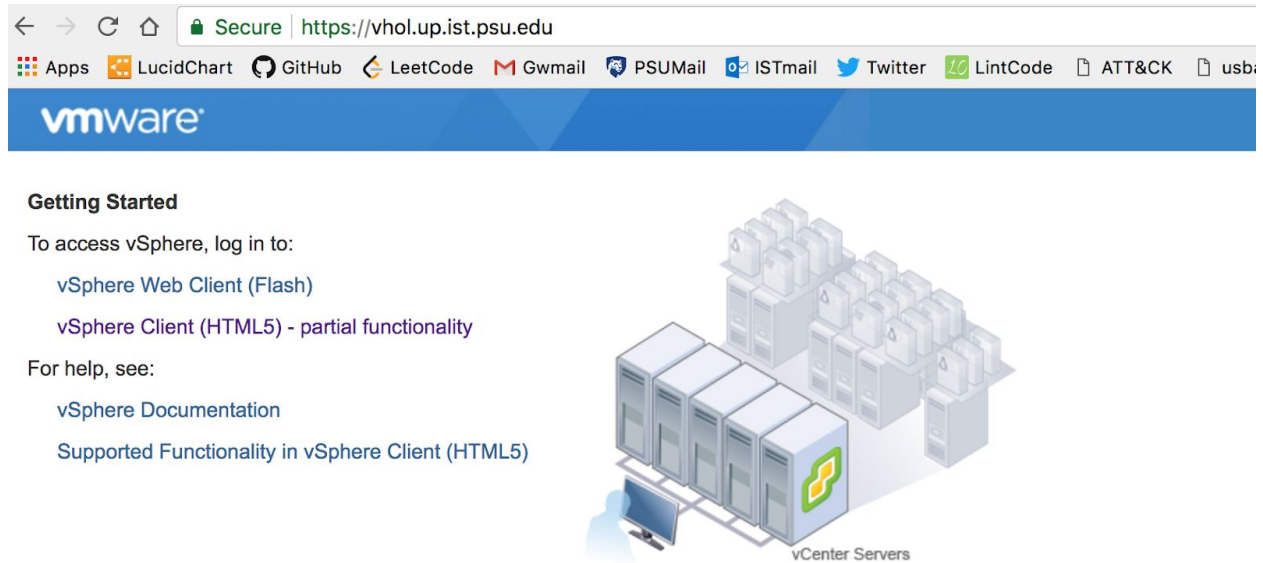


## How to do lab on a web browser?

1. Go to <https://vhol.up.ist.psu.edu/>

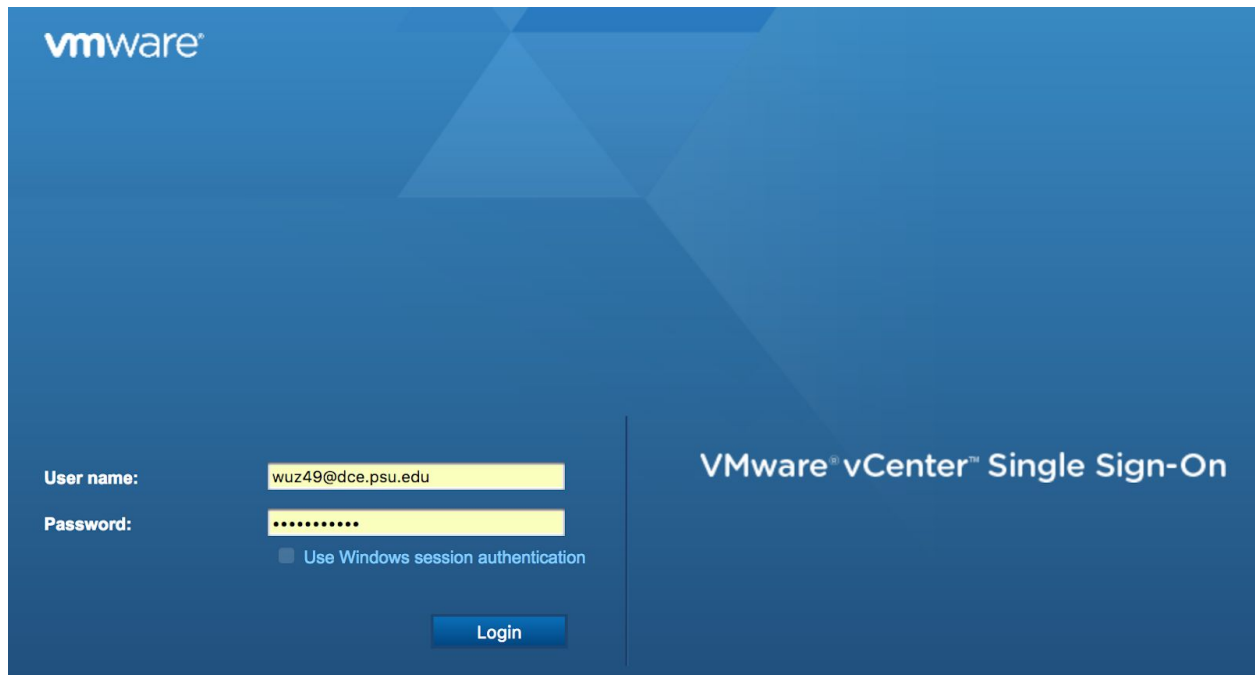


**Figure 1**

2. Click “vSphere Client (HTML5) - partial functionality” link, as shown in Figure 1.

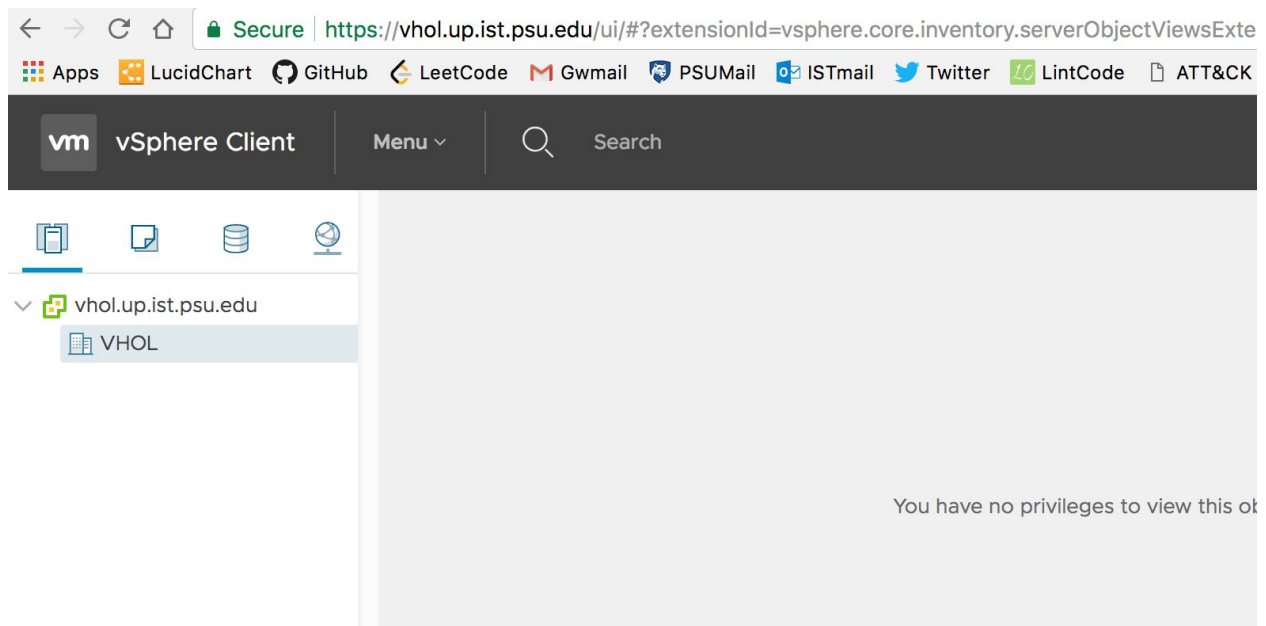
3. After clicking the link, we will redirect to a login page. User name for Wenhui is “wuz49@dce.psu.edu”. Please replace wuz49 with your own psu id and input your psu

password. Click Login button in Figure 2.



**Figure 2**

4. After login, you will see something like Figure 3.



**Figure 3**

5. Click “VMs and Templates” tab on the top-left corner. The tab is shown in Figure 3, the “VMs and Templates” tab is the second one on the left corner as shown in Figure 3.



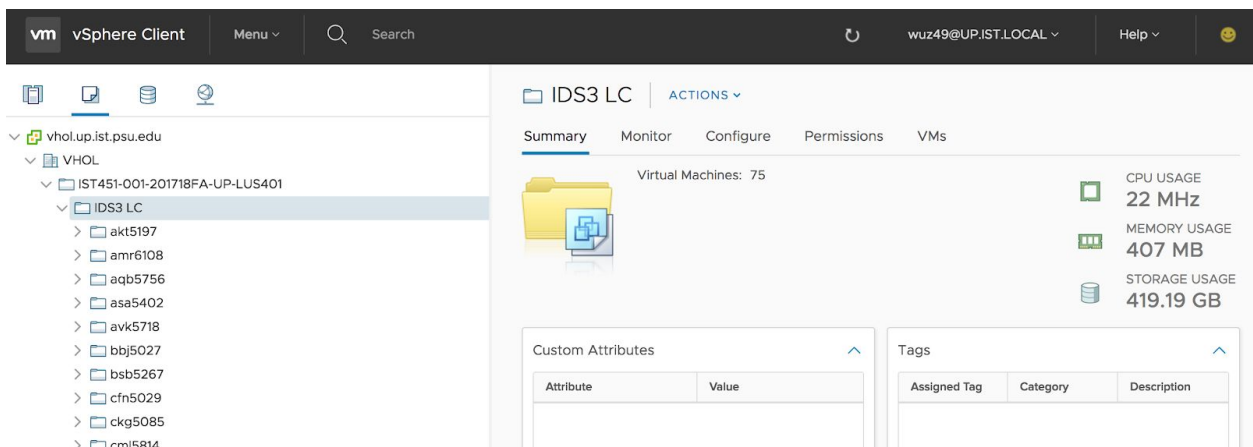
**Figure 3**

6. Select the correct directory on the top-left corner, as shown in Figure 4.



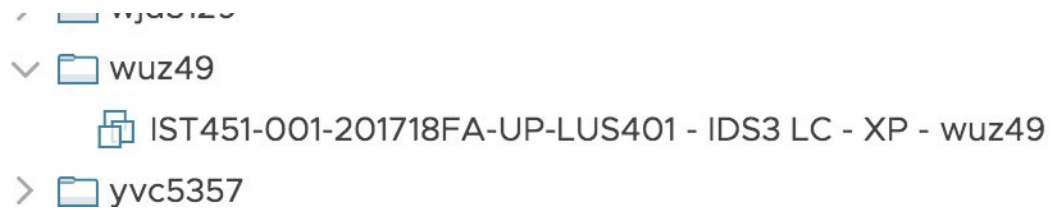
**Figure 4**

Your VM is under “VHOL/IST456-001-201819SP-UP-RPH153/IST456 LC/your\_account/” directory, as shown in Figure 5.



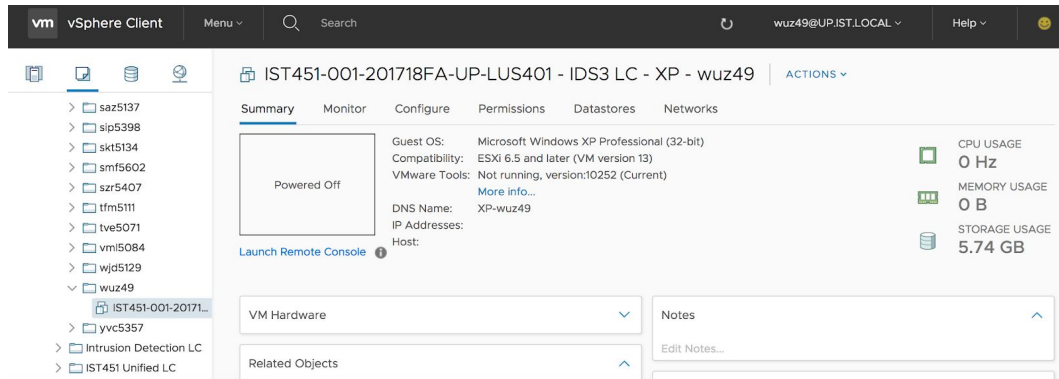
**Figure 5**

7. Select the correct virtual machine. As shown in Figure 6, the VM labeled with **IST456-001-201819SP-UP-RPH153 - IST456 LC - Ubuntu - wuz49-** is used in this lab.



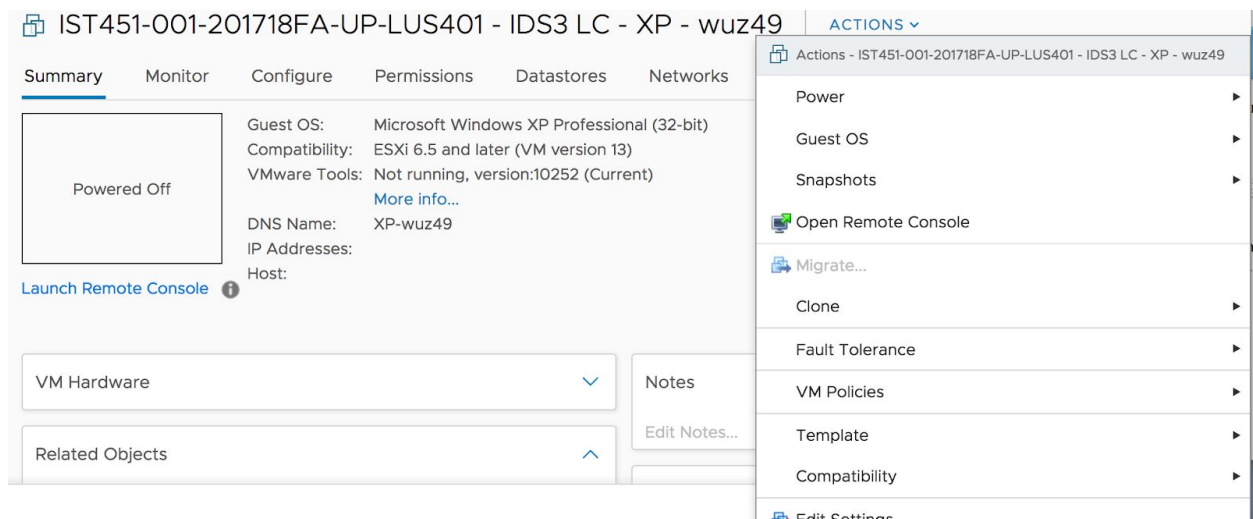
**Figure 6**

8. Click the link for the VM. You will see something similar to Figure 7 on the right side of your browser.



**Figure 7**

9. Power on the VM by clicking ACTIONS/Power/Power On, as shown in Figure 8 and Figure 9.



**Figure 8**

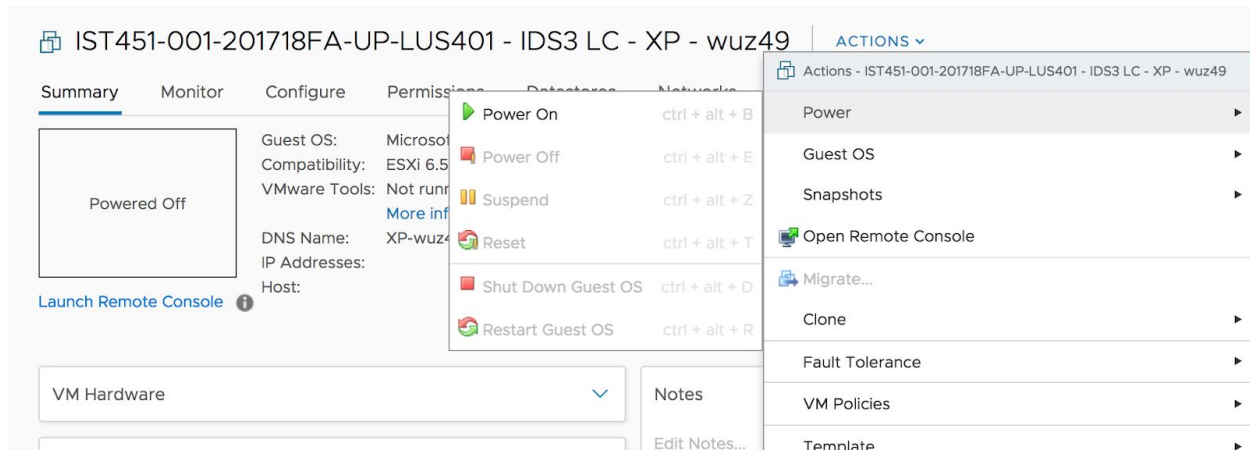


Figure 9

10. Double click the VM button shown in Figure 10. After that, another browser window will pop up.

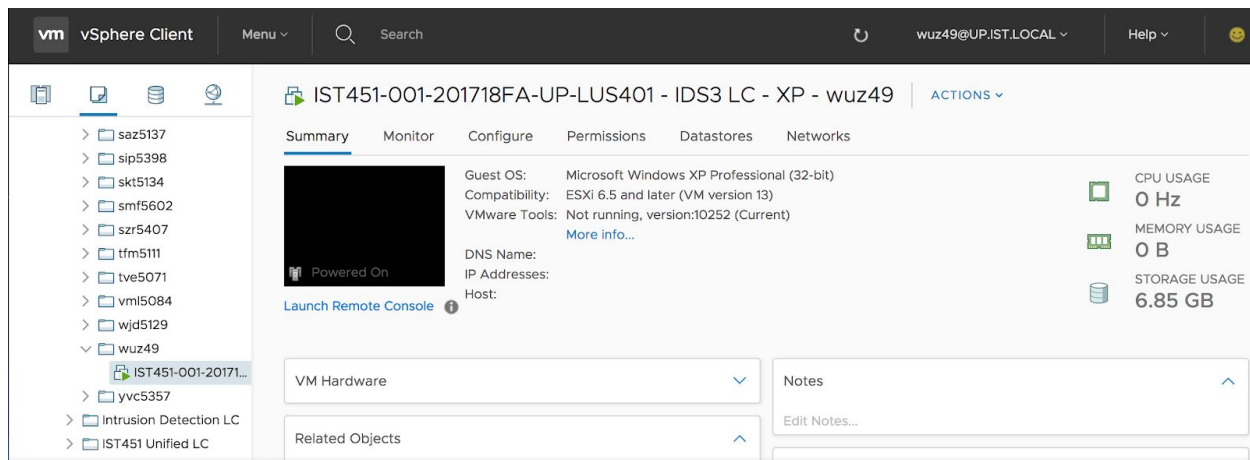


Figure 10

11. (optional). If nothing happens in Step 11, check the top-right corner of your browser, and enable the pop-up by clicking "Pop-ups were blocked on this page" button, and selecting "Always allow pop-ups from <https://vhol.up.ist.psu.edu>" radio button and click "Done". If you are confused on how to do this, please refer to the step by step manuscript of lab 1.

12. (optional). Double click VM button shown in Figure 10. A new browser window for the VM should pop up this time, as shown in Figure 11.