Ganpat University
॥ विद्यया समाजोत्कर्षः ॥
Institute of Computer Technology

Name: Tushar Panchal

En.No: 21162101014

Sub: Virtualization

Branch: CBA

Batch:51

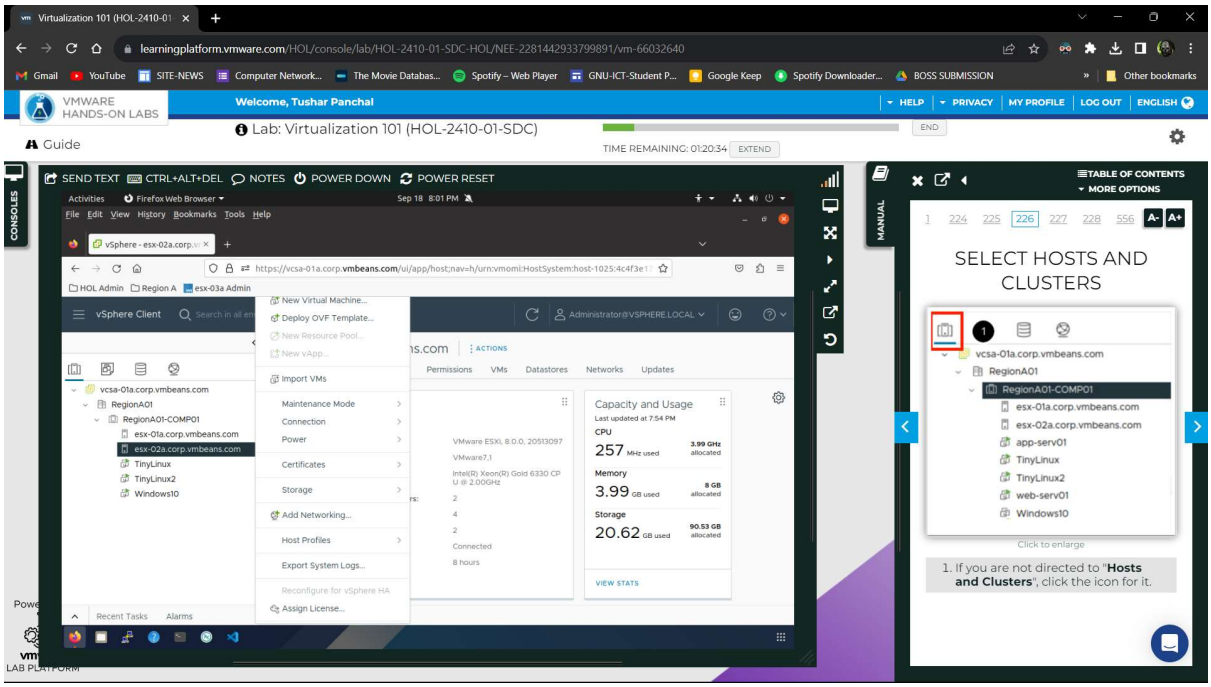
----------PRACTICAL 02----------

❖ vSphere Networking and Security.

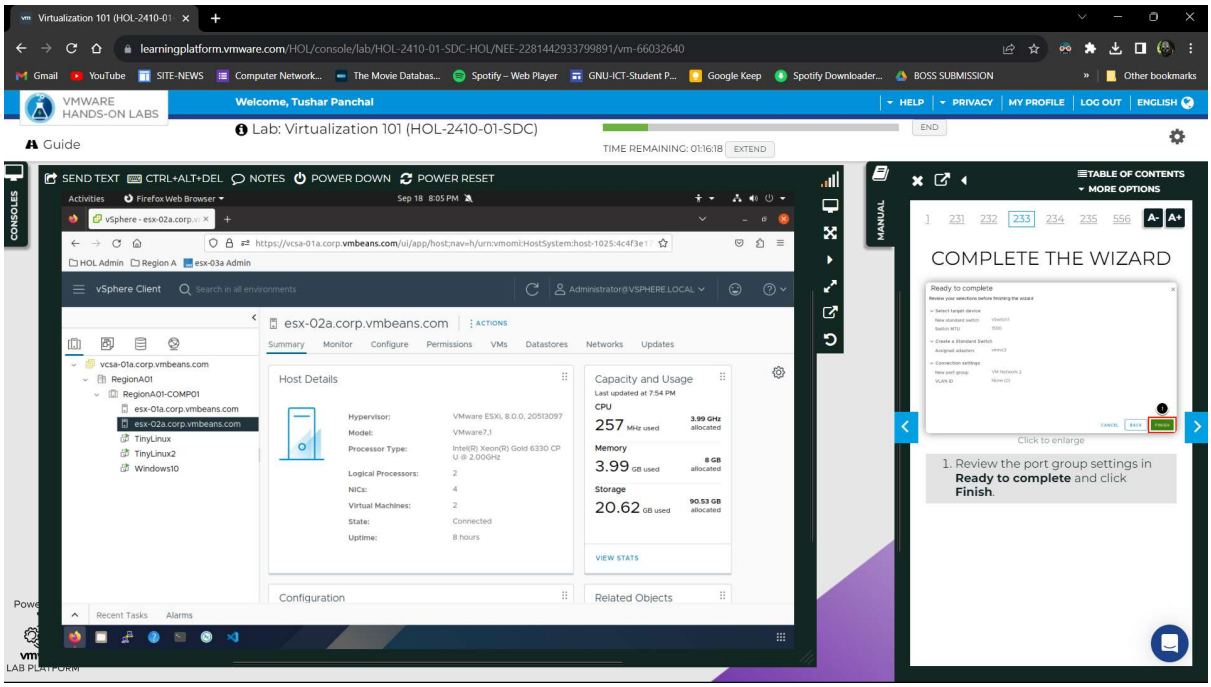
» TASK :

How to add, configure, and work with vSphere Standard and Distributed Switches for most types of in and out network traffic of the ESXi host through vCenter, as well as the advanced networking features it provides.

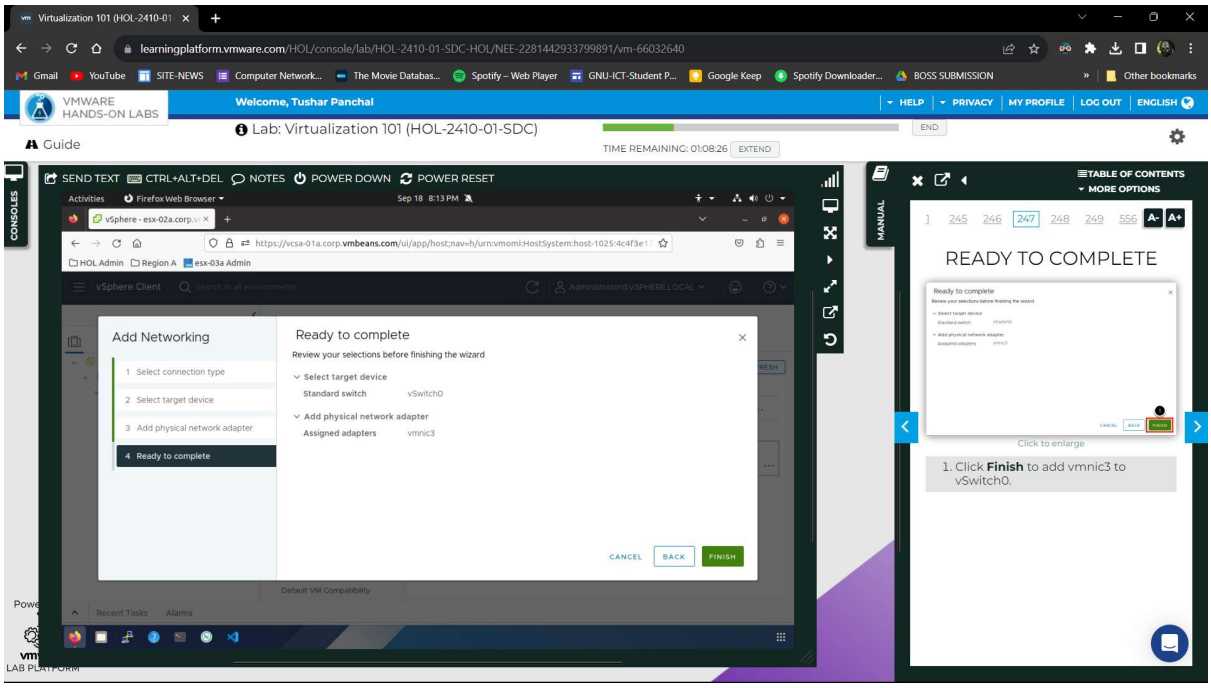
1. Login to vSphere Client and add networking to the given VM :



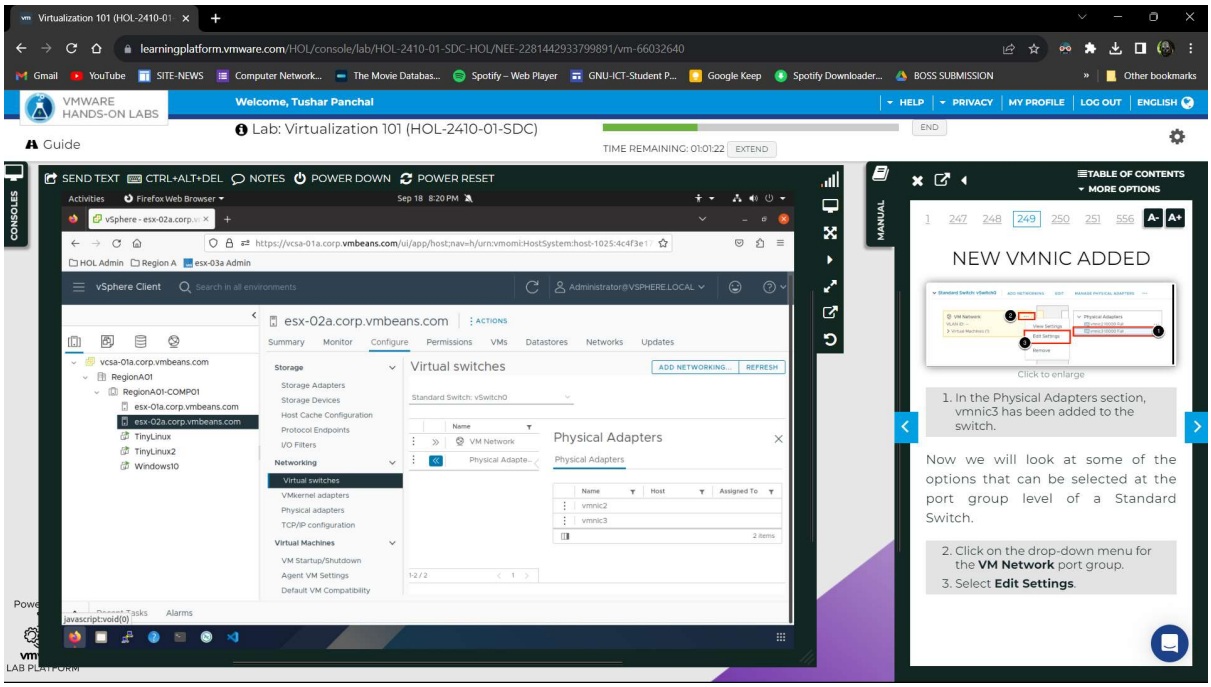
2. Configure new network switch with the given configurations :



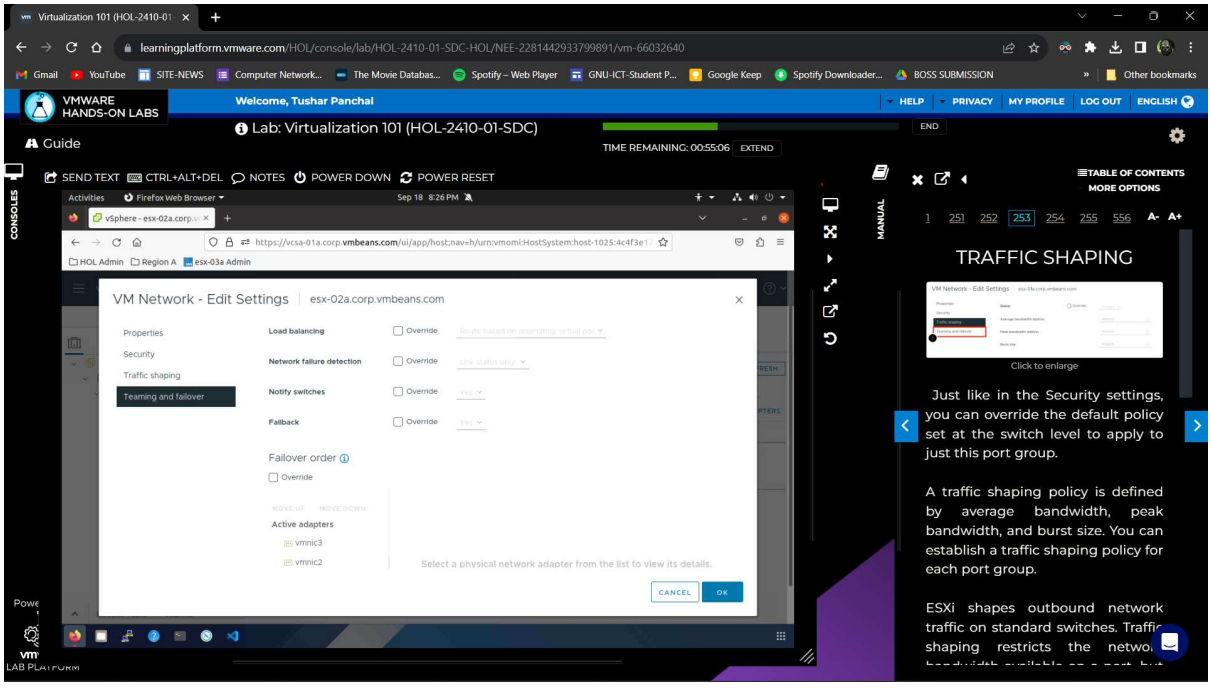
3. Now add an adaptor to the standard switch vSwitch0,(here vmnic 3) :



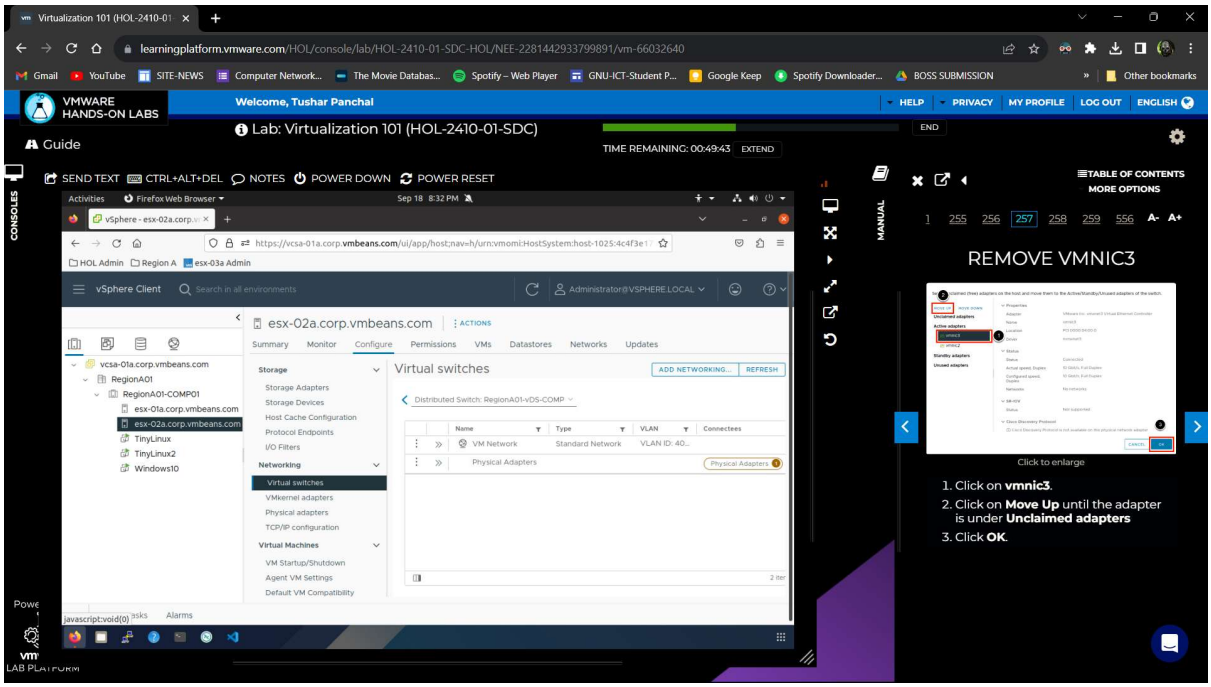
4. Now Explore the settings (via clicking the menu button) of physical adapter (vmnic3) ,added to the standard switch :

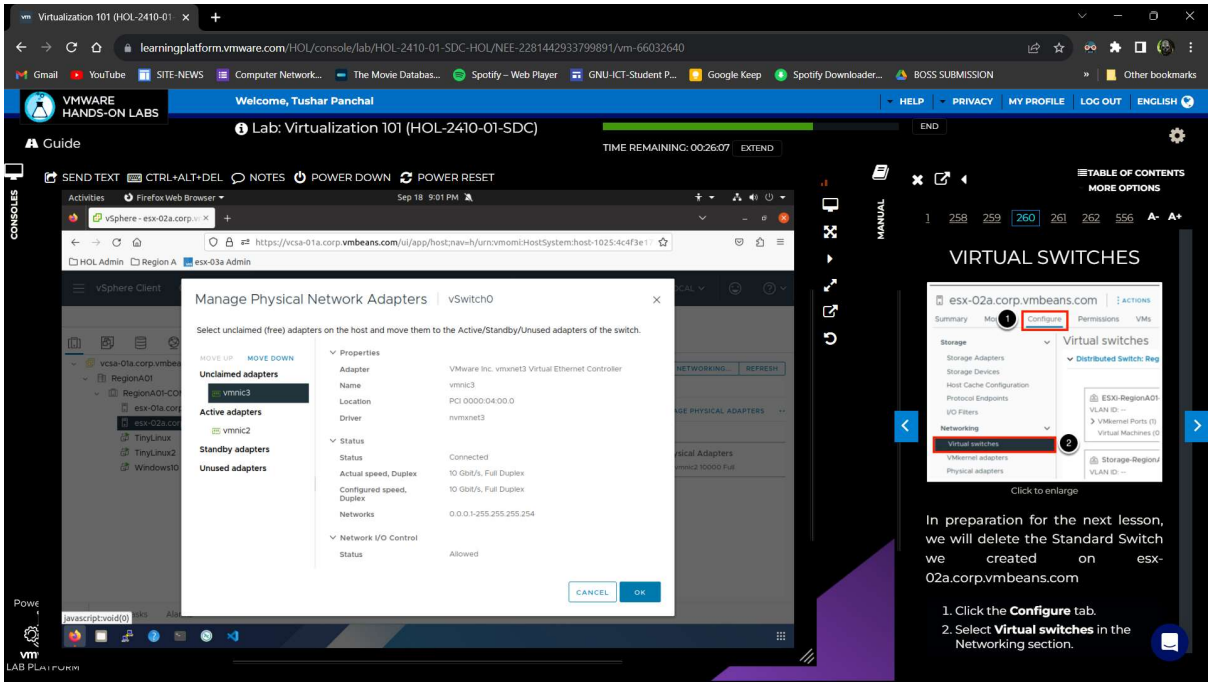


5. Explore properties, security, traffic settings and teaming and failover settings, but it is recommended not to change these settings manually unless required :



6. Remove the physical adapter via moving it up in the unclaimed adapters section :





7. **Remove the standard switch similarly from the menu options. Thus, standard switches are observed, added, configured and removed in ESXi via vSphere Client in this experiment. Physical adapters can also be added to a standard switch whenever required .**

- **Conclusion :** this practical exercise provided hands-on experience with essential networking tasks in a virtualized environment using VMware vSphere. Understanding how to add, configure, and remove network components is crucial for ensuring that VMs run smoothly and can communicate effectively. Additionally, it highlighted the importance of careful consideration and caution when making changes to network settings to avoid disruptions in the virtualized environment.