Ganpat University
॥ विद्यया समाजोत्कर्षः ॥
Institute of Computer Technology

Name: Tushar Panchal

En.No: 21162101014

Sub: Virtualization

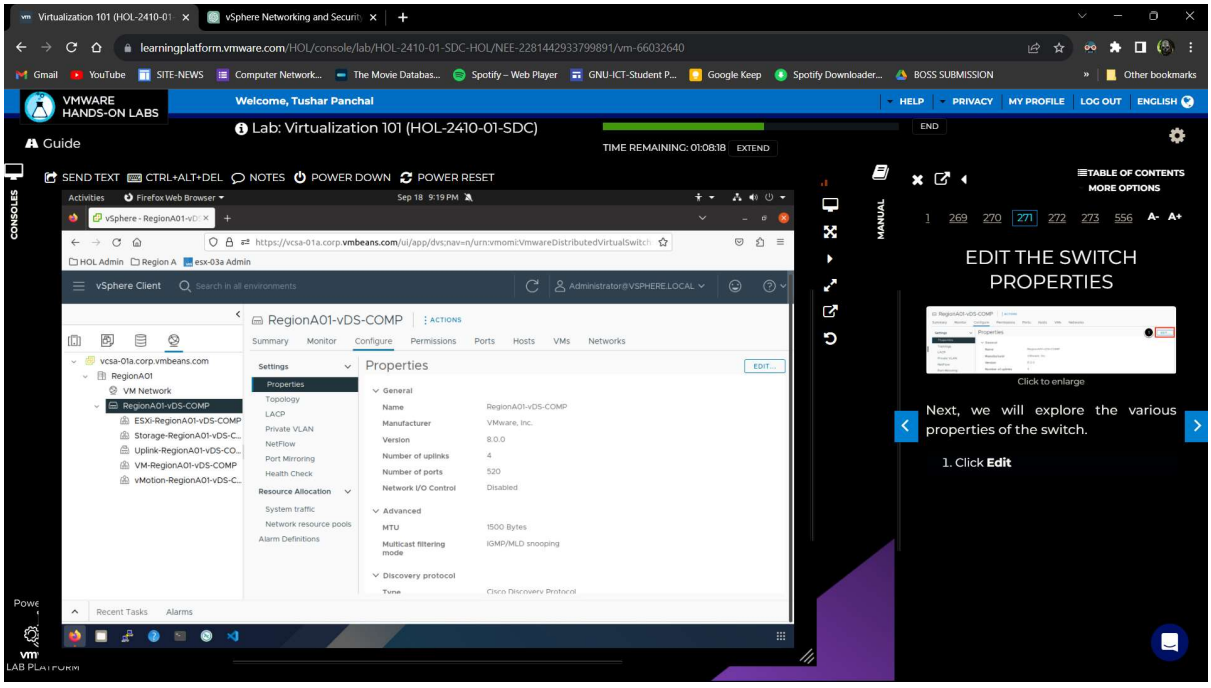
Branch: CBA

Batch:51

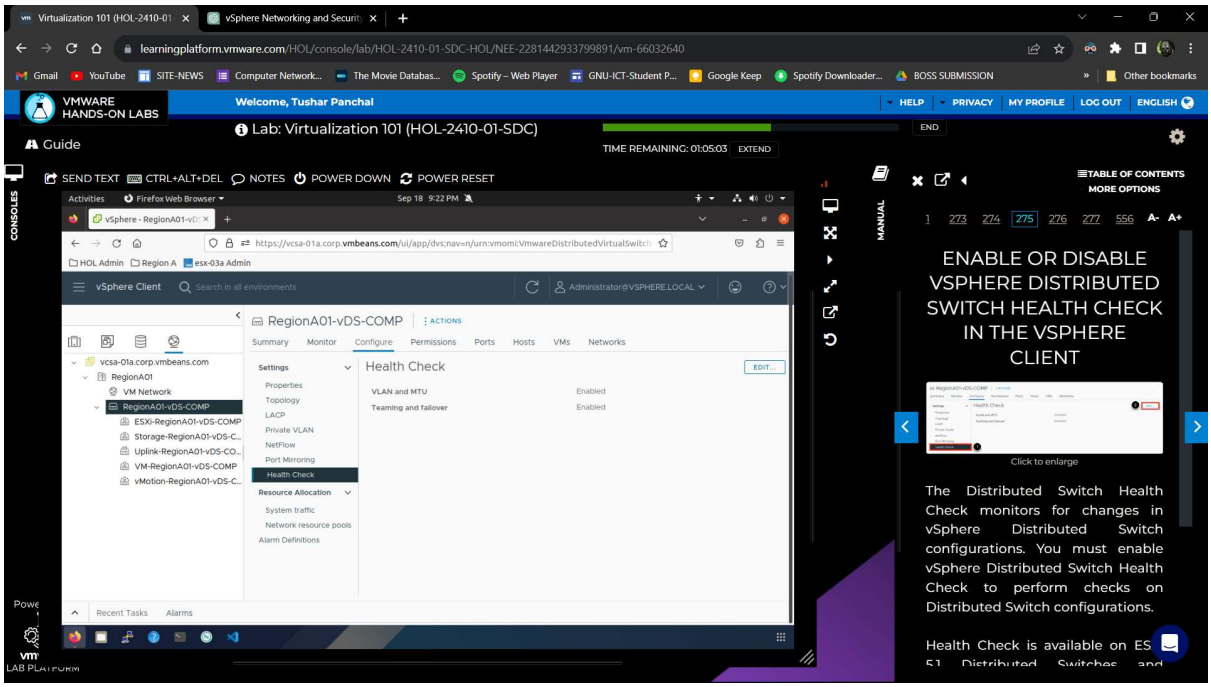
----------PRACTICAL 03----------

❖ Addition and Configuration of vSphere distributed swtich.

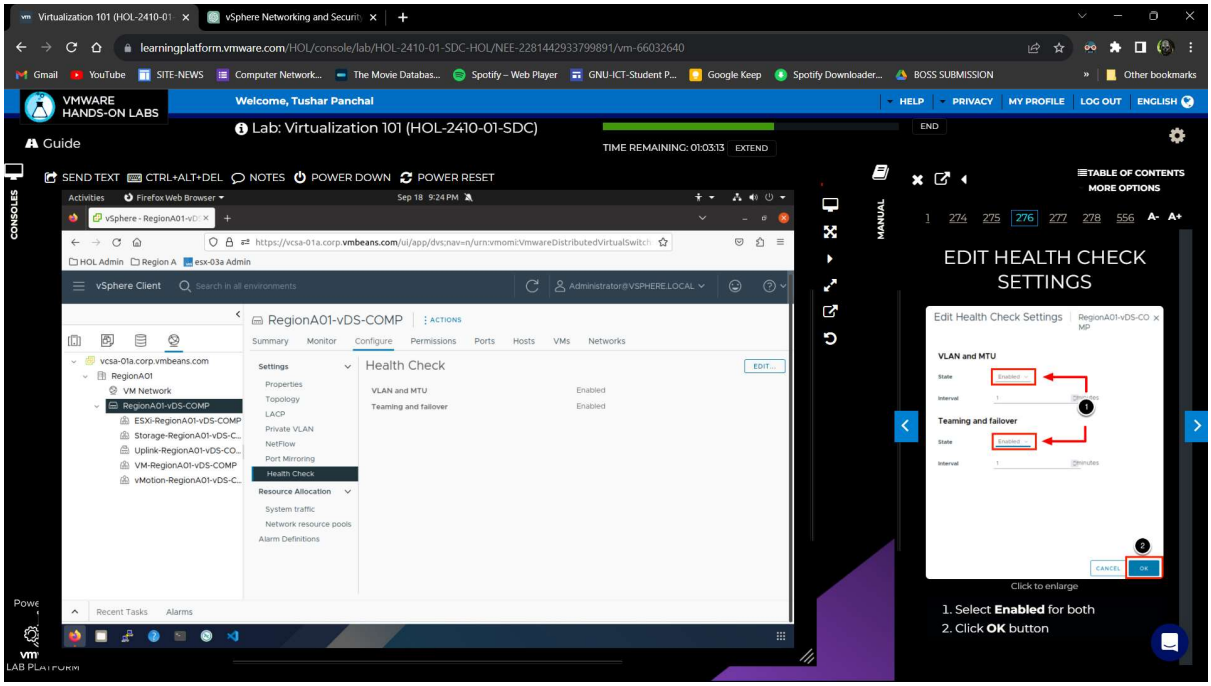
1. Distributed switches' properties can be explored and edited by right clicking the Region :



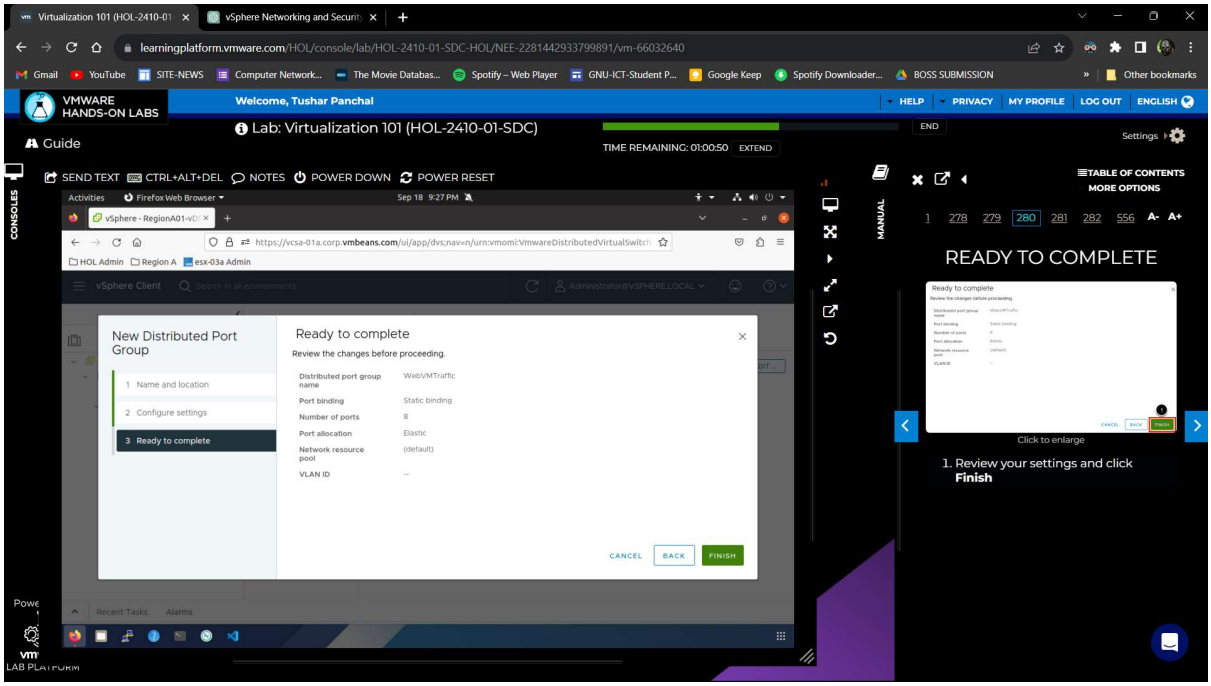
2. Health check options can be found in Configure tab :



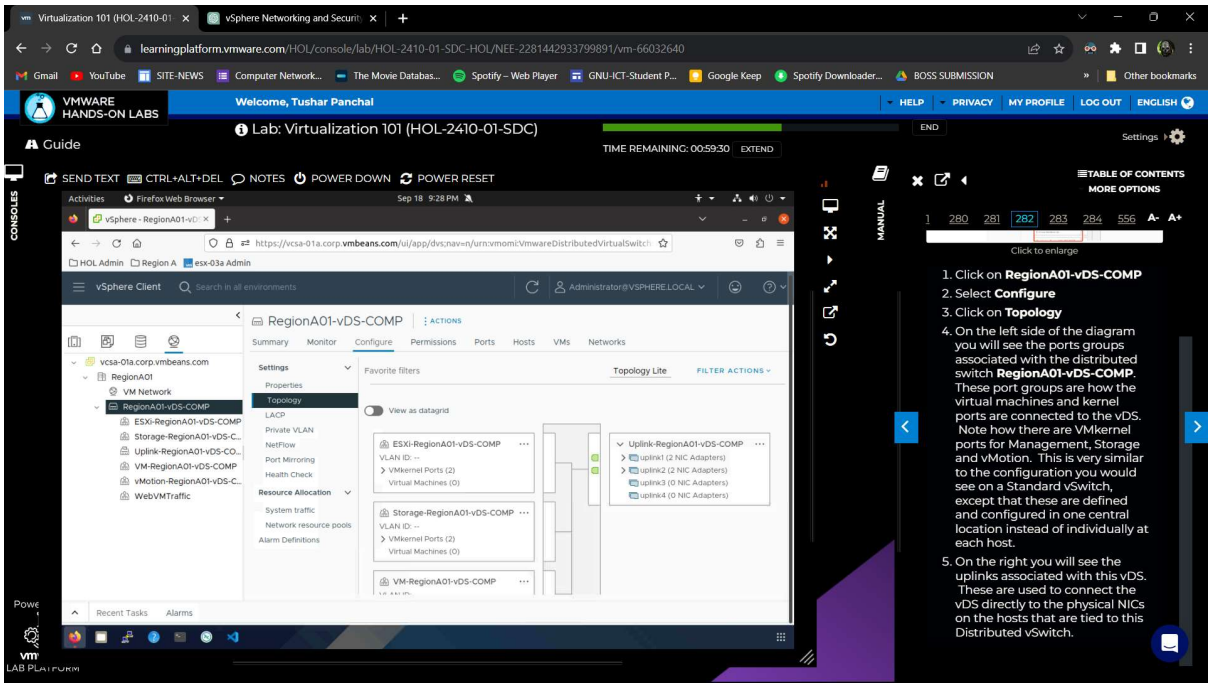
3. Edit those options and enable health checks for both VLAN and MTU, and Testing and Failover :



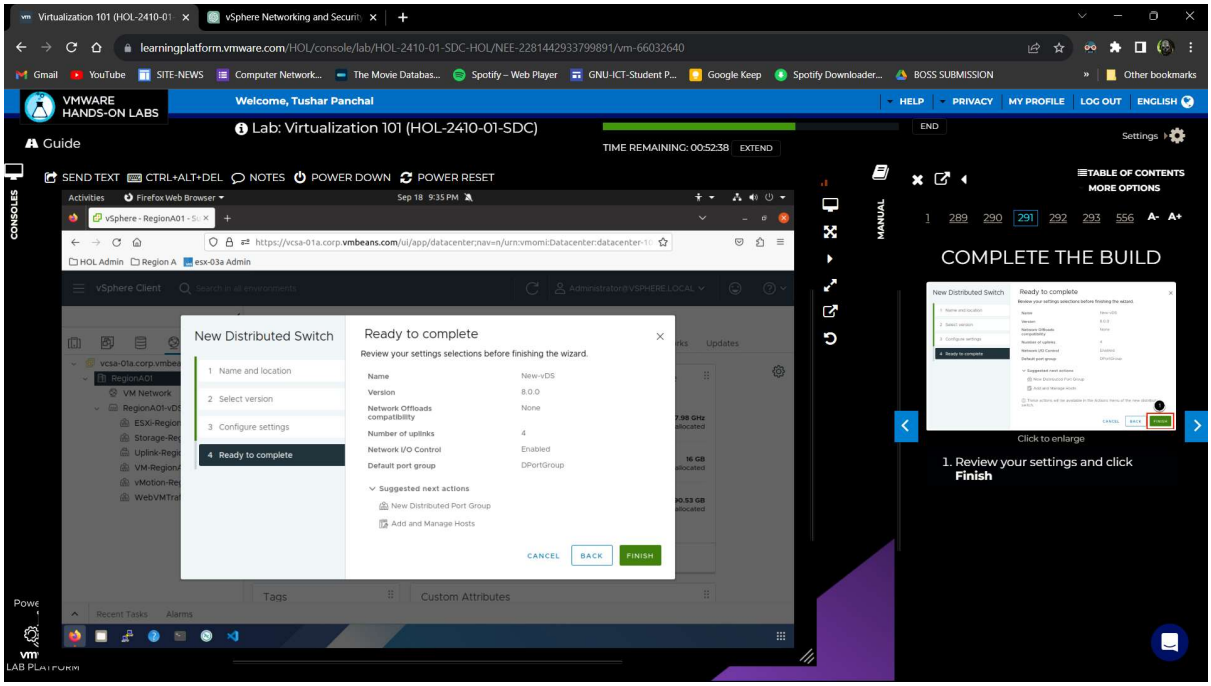
4. Create a new distributed port group with the following configurations :



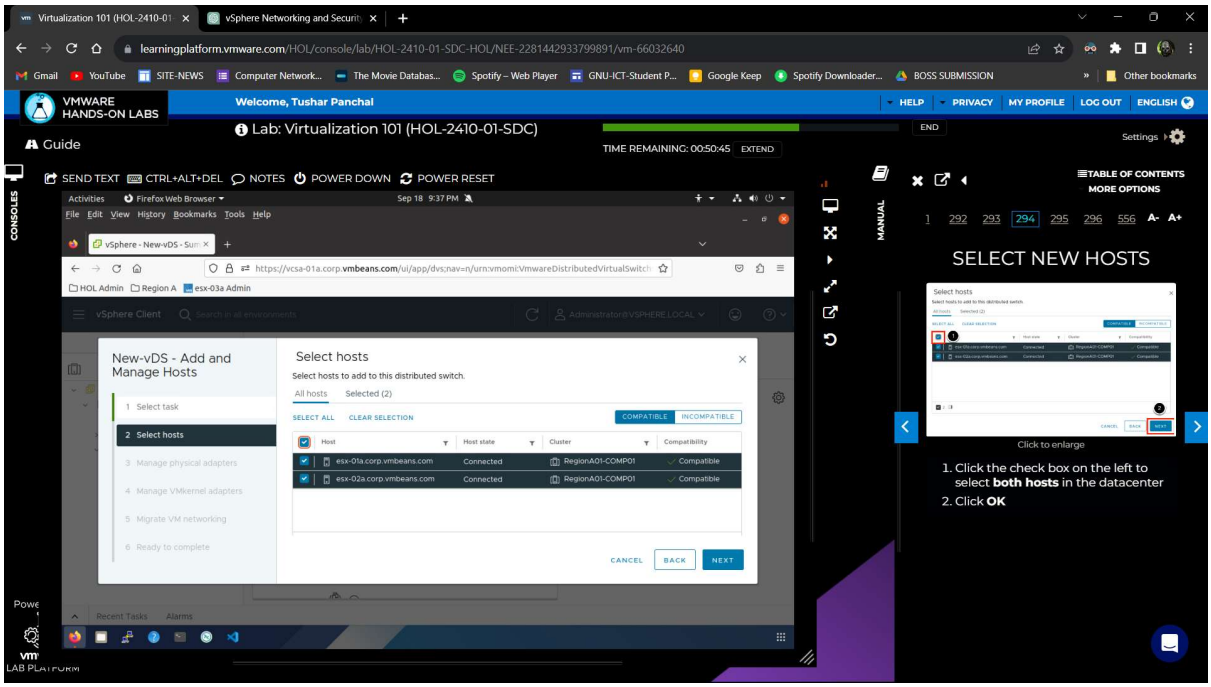
5. Topology configurations can be viewed and edited in the Topology tab :



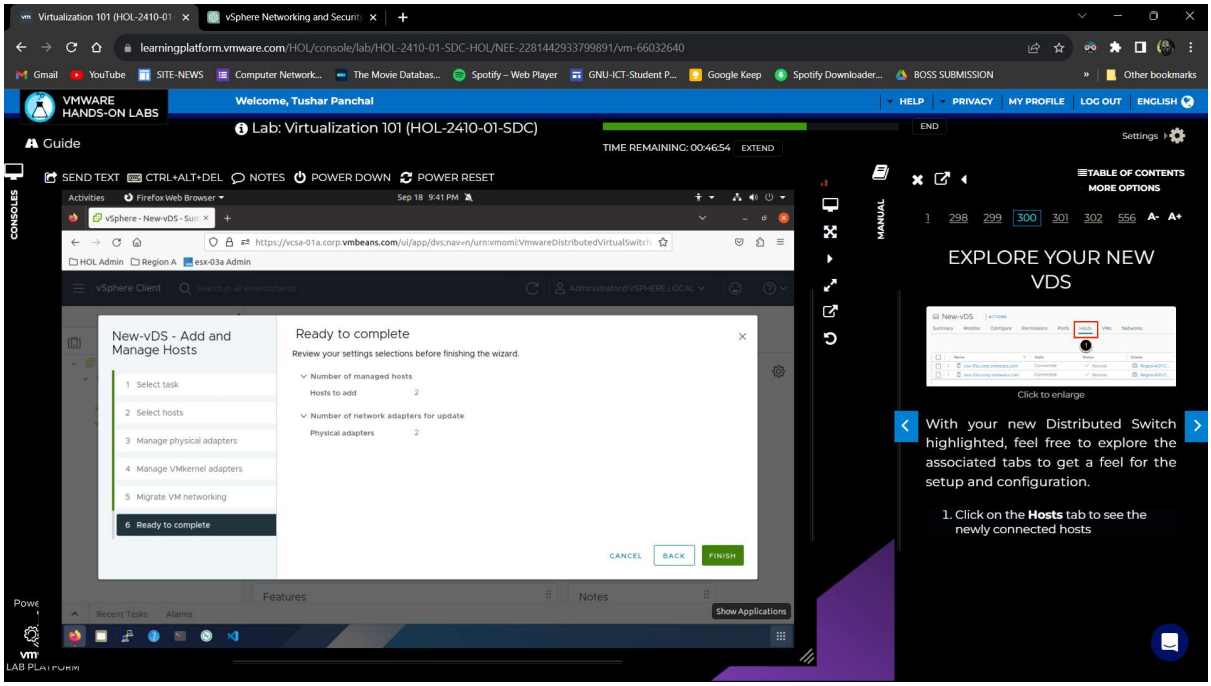
6. Create a new distributed switch with the following configurations :



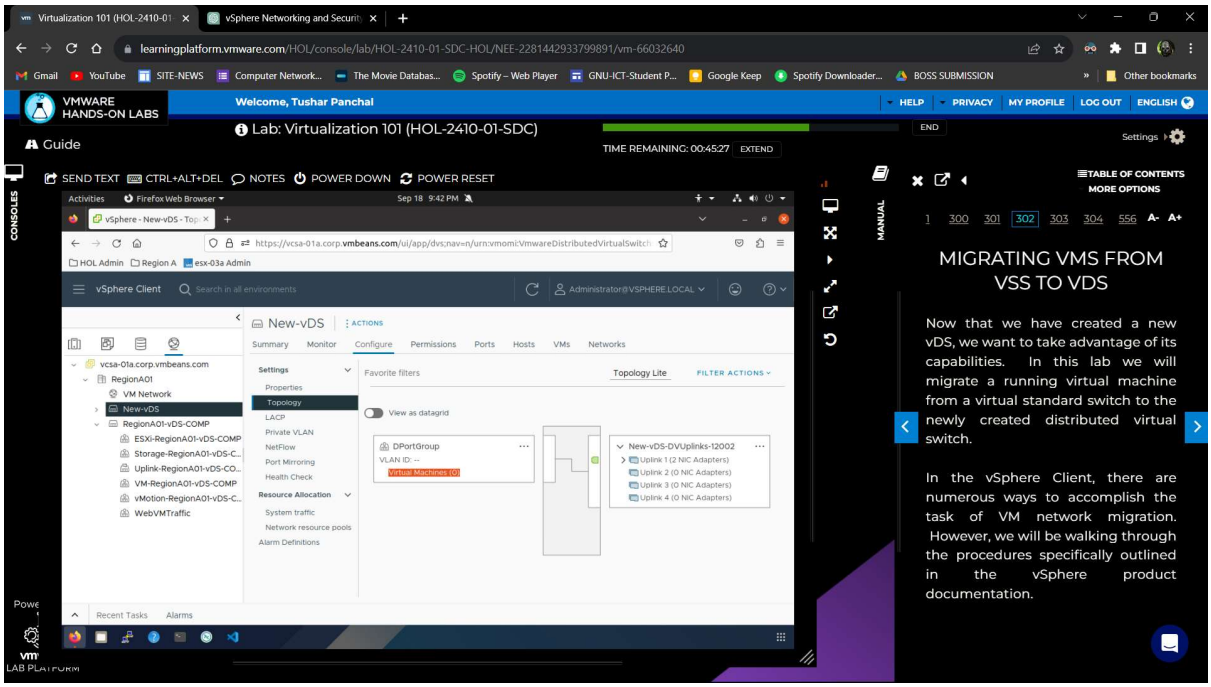
7. Add hosts in the newly created distributed switch. Select all hosts :



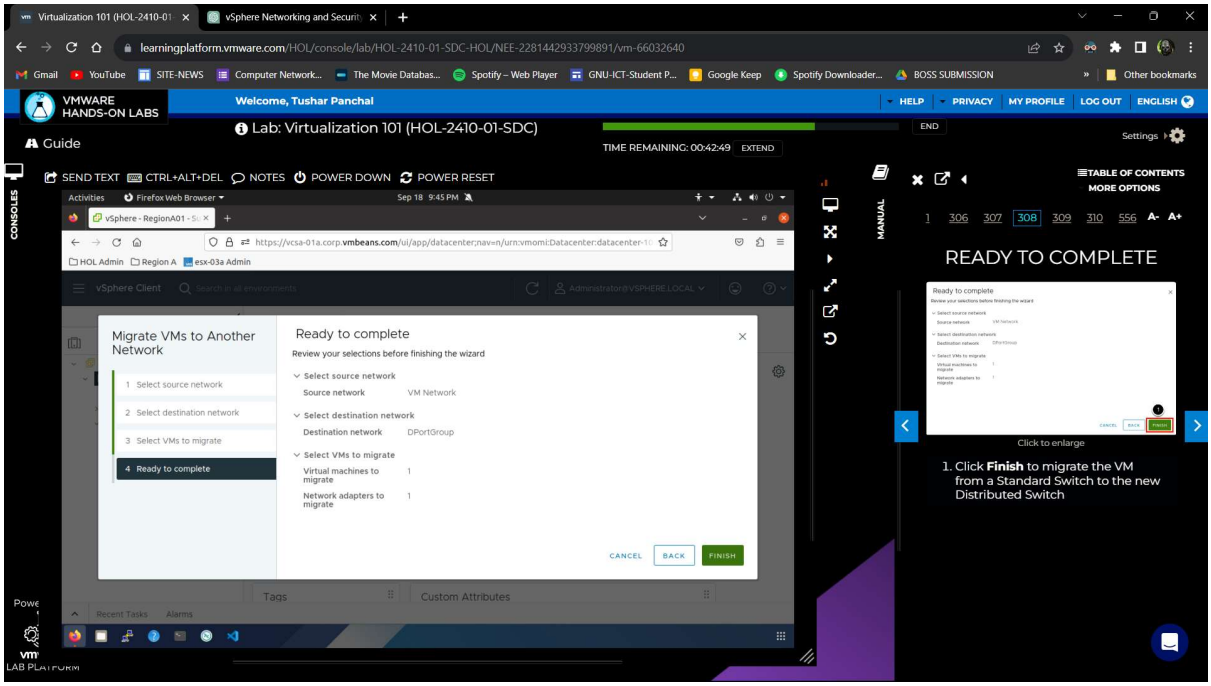
8. Confirm adding hosts with following configurations :



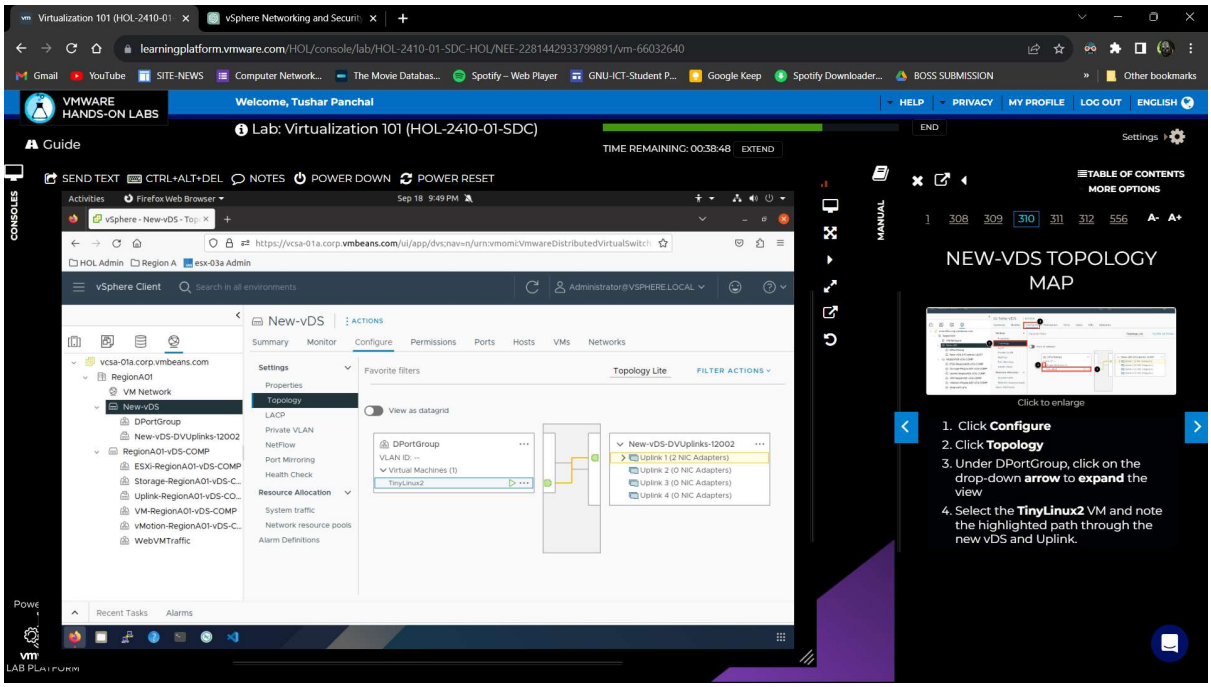
9. As seen, there are no virtual machines :



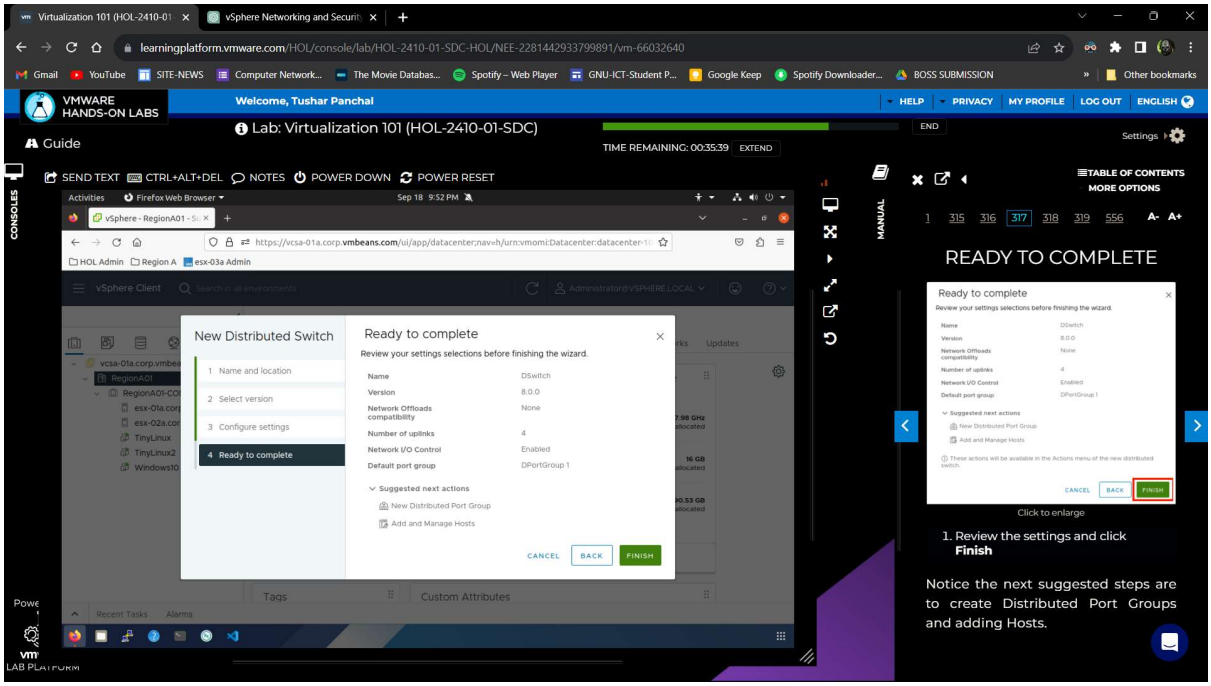
10. Migrate virtual machine from VM Network to DPort group, in which our new distributed switch is there :



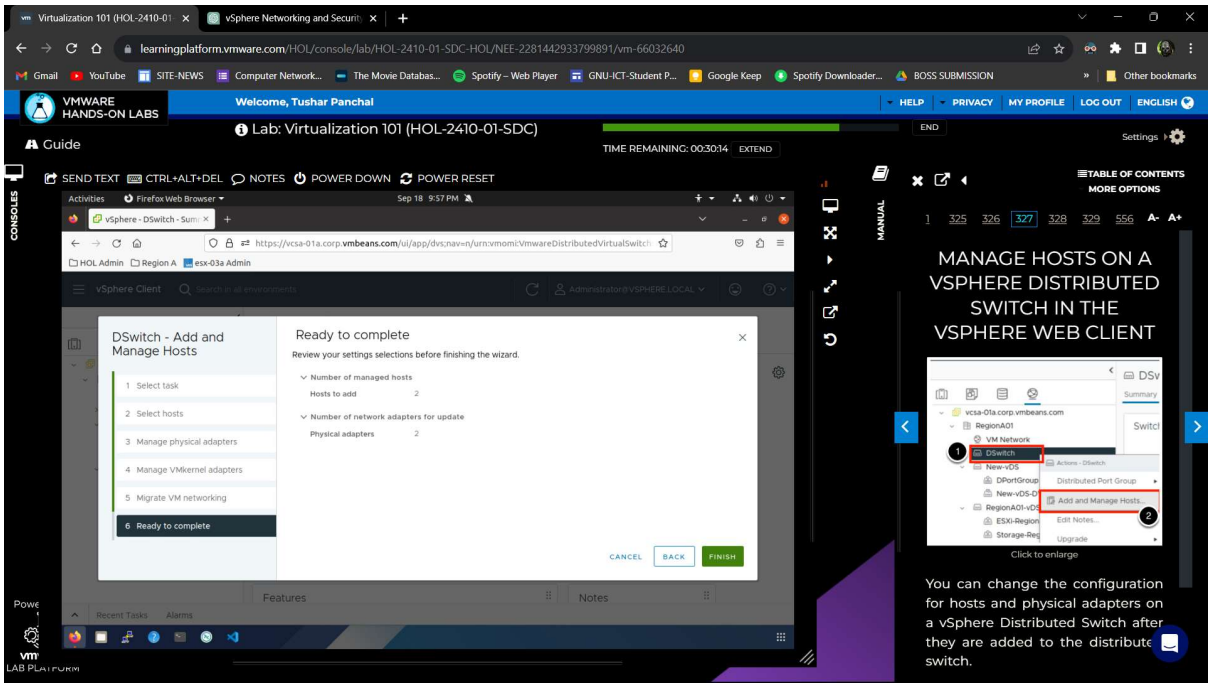
11. Now, as seen, our VM is migrated :



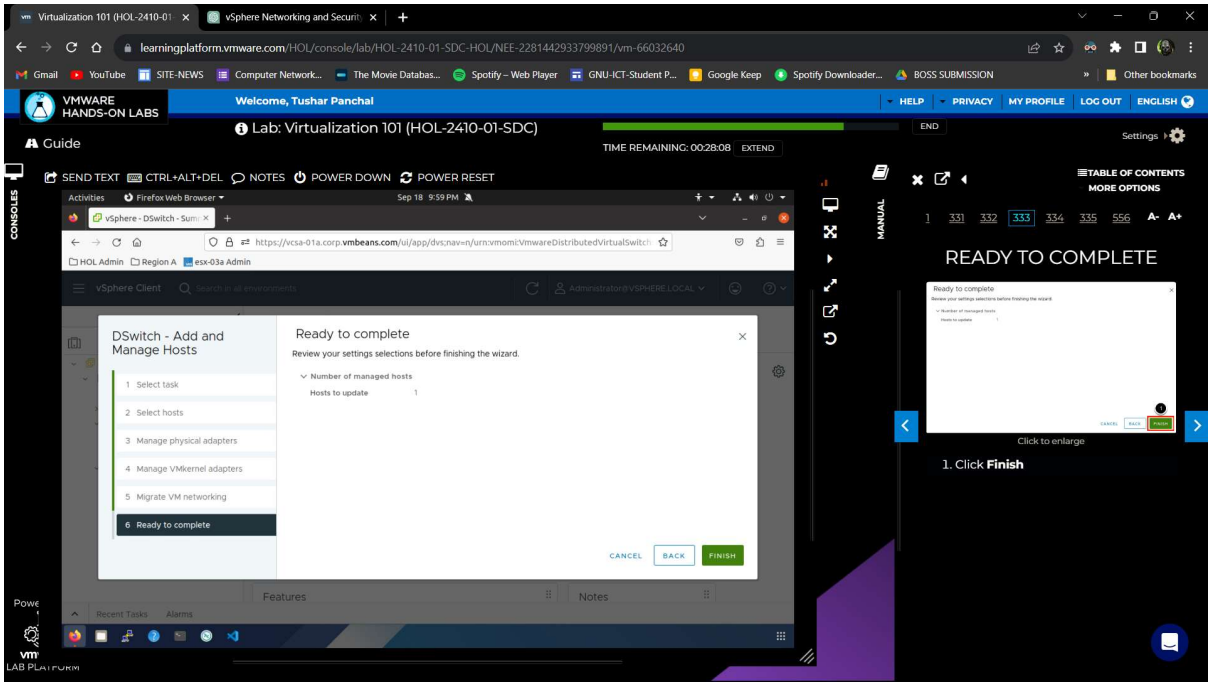
12. Now, create a new distributed switch with given configurations :



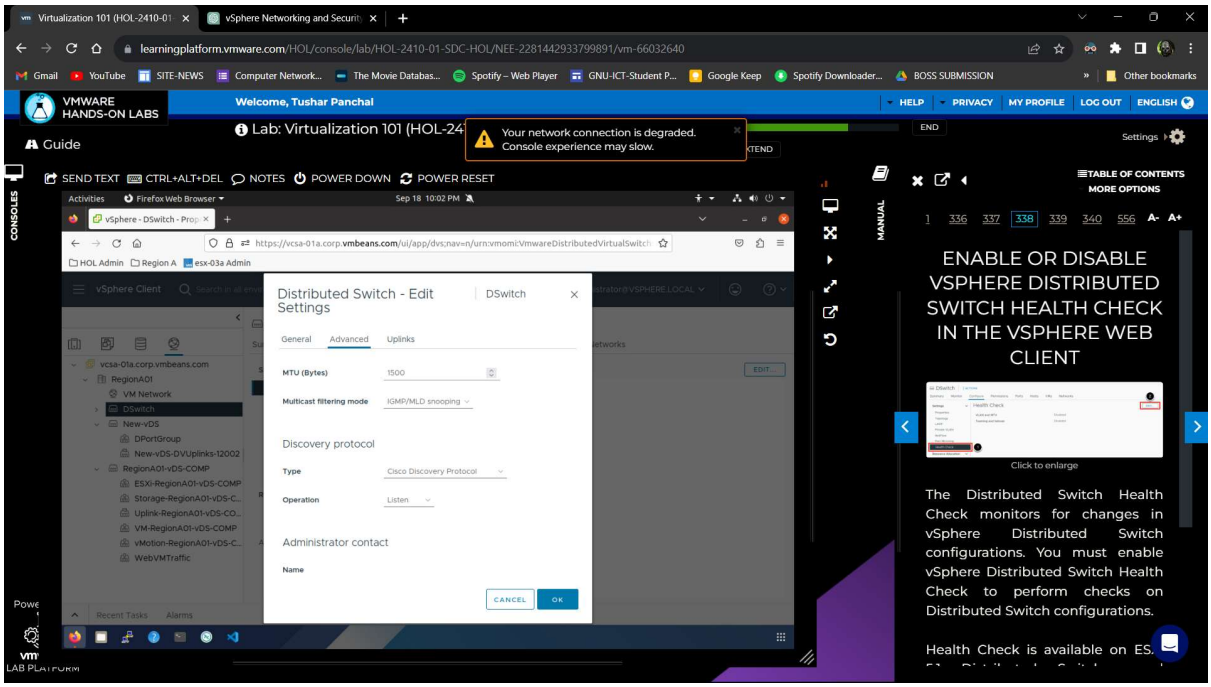
13. Again, add all hosts to it similar to previous switch :



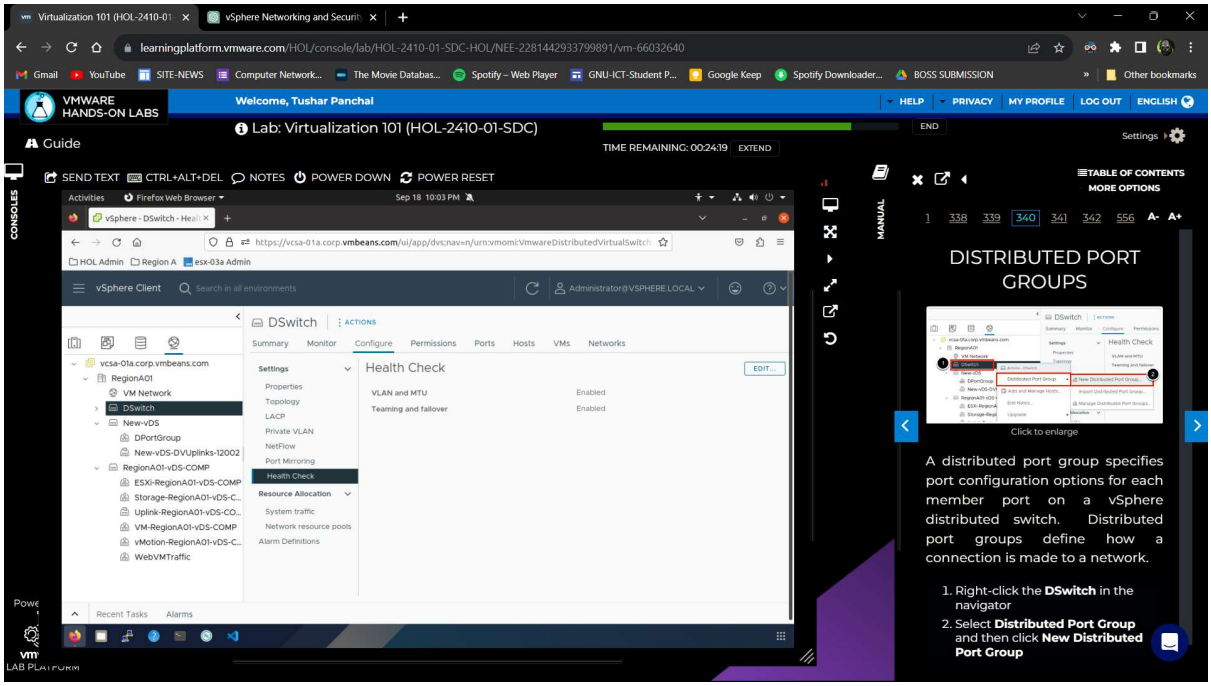
14. Manage host networking and select hosts of 01 numbered option :



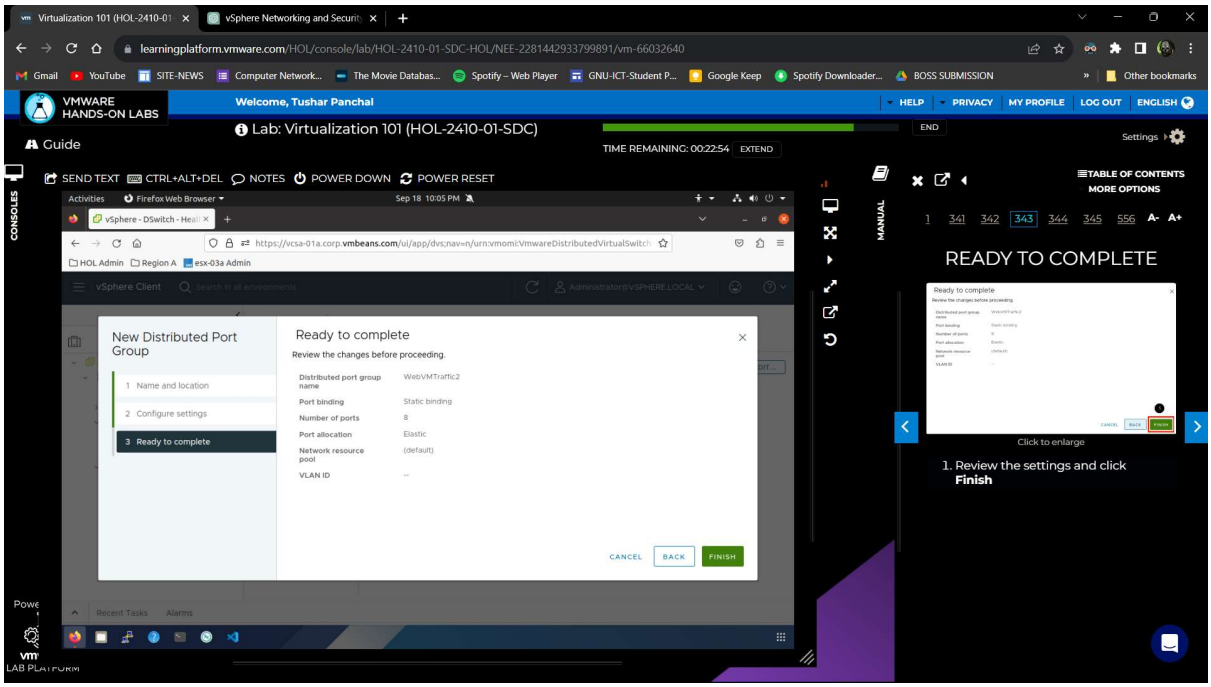
15. The advanced settings of the distributed switches can be found in edit properties tab :



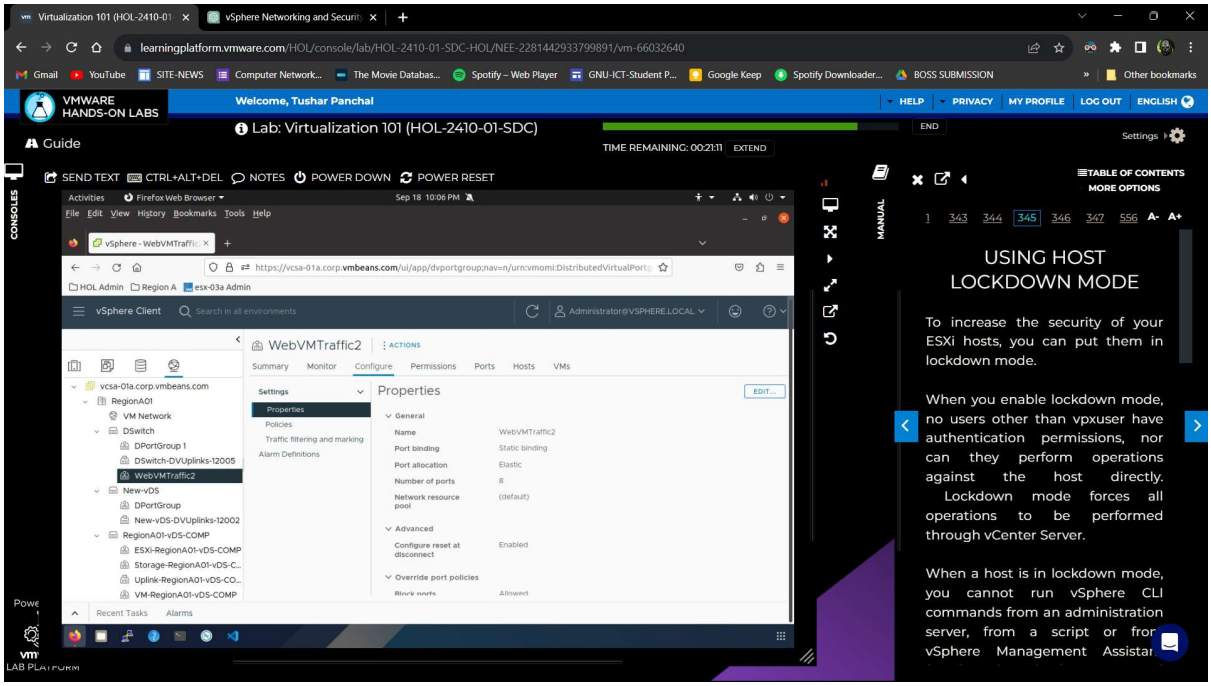
16. Similarly like previous steps, enable health check for the new switch also :



17. Create a new port group for the distributed switch with following configurations :



18. As seen in the screenshot below, distributed group's properties can be seen and edited :



» **Conclusion :** In this practical exercise, we delved into the addition and configuration of vSphere Distributed Switches (VDS), a critical component for advanced networking management in a virtualized environment. this practical exercise provided hands-on experience with vSphere Distributed Switches, a powerful tool for managing networking in virtualized environments. By exploring and configuring various properties, port groups, and advanced settings, we gained insight into the versatility and scalability of VDS for handling complex network infrastructures. Understanding and effectively utilizing VDS is essential for optimizing network performance and ensuring the reliability of virtualized environments in the context of VMware vSphere.