SIT706 Cloud Computing Technologies

Practical 7:
Networking and VM Templates

Aims and Objectives

In this week's practical we continue examining how to construct cloud infrastructure, working with the VMware virtualization systems and completing practical tasks aligned with the VMware vSphere ICM 6 certification curriculum.

This week you will examine how the creation of standard switches, and connecting virtual machines to those virtual switches, forms part of the definition of the logical network perimeter in cloud computing and is a critical concept in managing and isolating the network traffic of cloud consumers.

You have created virtual machines in a previous practical, here you will also learn how to clone, convert, and deploy virtual machines and templates of virtual machines.

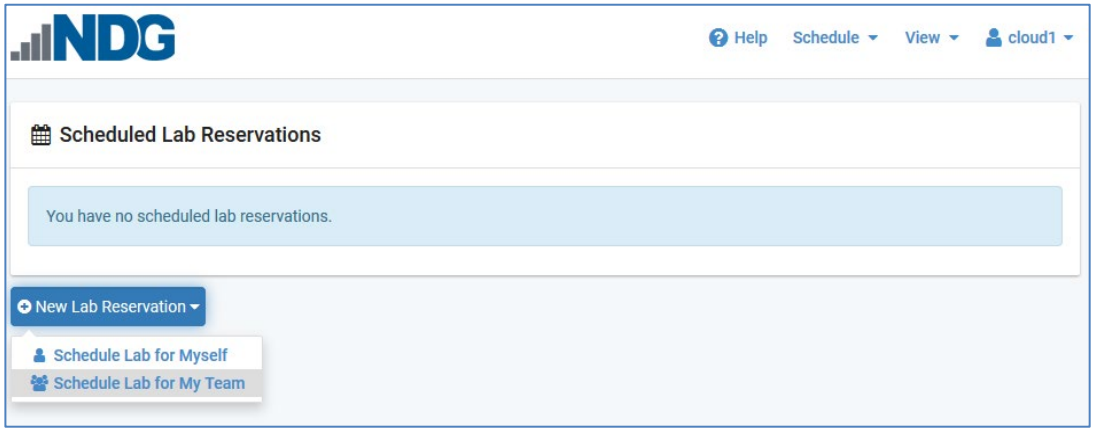
Using NetLab+ VE

In this week's practical, you are required to complete the following two labs:

- Lab 7: Using Standard & Distributed Switches; and
- Lab 11: Using Templates and Clones.

As in the previous practicals, you will use the School's NetLab infrastructure which can be accessed via https://vmlab.it.deakin.edu.au/

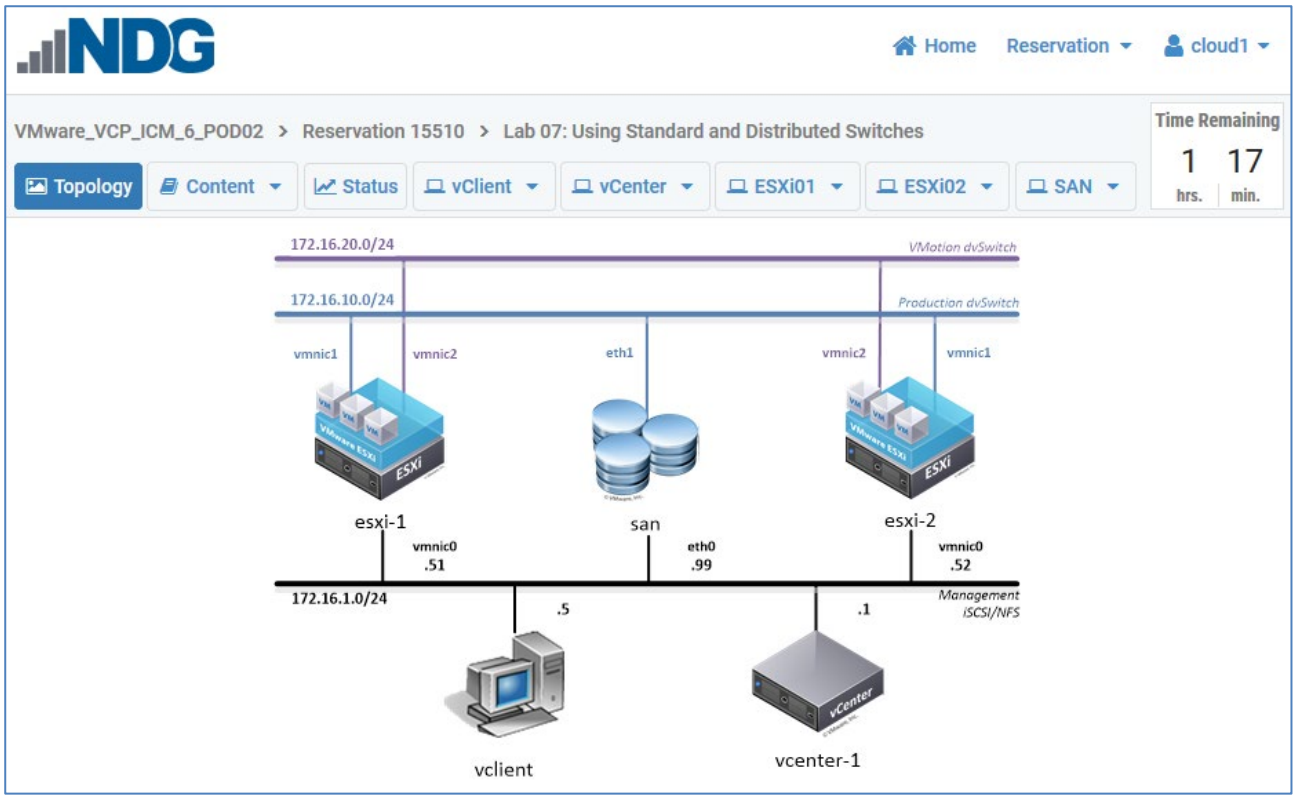
Once you have logged in, book an appropriate Pod and Lab by clicking on the **New Lab Reservation** menu and then the **Schedule Lab for Myself** menu item:



Ensure you have selected the **VMware vSphere ICM 6** topics to view the list of available labs. Using the **Action** menu, click on the **Schedule** menu-item to start a Pod booking for the lab named:

- Lab 7: Using Standard & Distributed Switches.

After successfully booking this lab, click on the **Enter Lab** button to begin your work. You will now be shown the topology (the virtual machines and networks) associated with this lab:



The instructions for this lab can be found by clicking on the **Content** menu.

Once you have completed work all on this Lab, ensure you click on the **Reservation > End Reservation Now** menu-item to free the Pod's resources for others to use.

As above for Lab 7, you should now complete the following lab:

- Lab 11: Using Templates and Clones.