SIT706 Cloud Computing Technologies

Practical 10:
Alarms and High Availability

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 Install, Configure, and Manage certification curriculum.

This week we how to work with alarms, which provide an automated approach for dealing with events that occur to the infrastructure and the VMs running on that infrastructure. We then examine configuration of the High Availability functionality, which allows the virtual infrastructure to automatically reconfigure upon certain events, allowing a physical server to be shut down and serviced/ replaced without interrupting the VMs operating on the system.
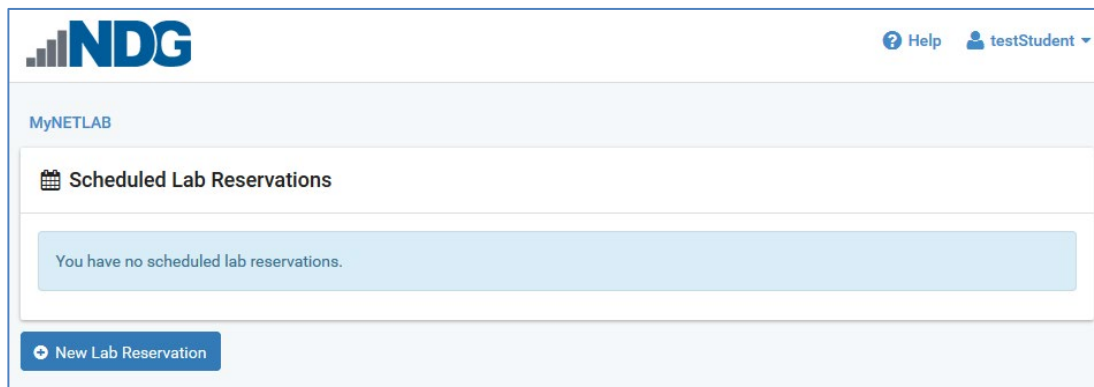
Using NetLab+ VE

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

- Lab 18: Using Alarms; and
- Lab 19: Using vSphere High Availability.

As in the previous practicals, you will use the School's NetLab infrastructure which can be accessed via https://vmlab.it.deakin.edu.au/
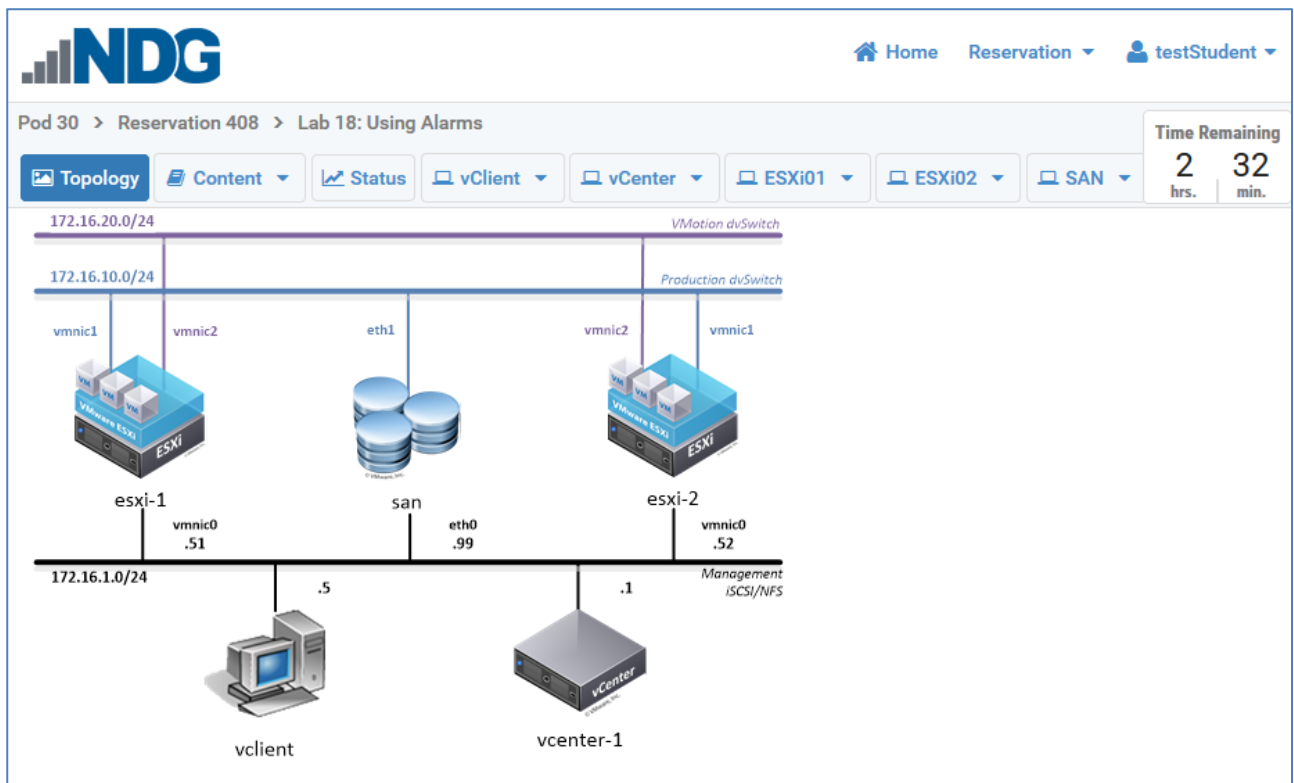
Once you have logged in, book an appropriate Pod and Lab by clicking on the **New Lab Reservation** button:

You will now be presented with a list of available labs. Using the **Action** menu, click on the **Schedule** menu-item to start a Pod booking for the lab named:

- Lab 18: Using Alarms.

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 18, you should now complete the following lab:

- Lab 19: Using vSphere High Availability.