
SIT706 Cloud Computing Technologies

Practical 9: Managing vApps and Resource Pools

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 examine the concept of a vApp, which is the combination of one or more VMs in a particular configuration, which can then be deployed as one logical appliance. For example, a vApp could be created to provide several load balanced web servers with an associated database server in one reusable appliance.

Finally, we examine resource pools which provide mechanisms through which we apply greater control of access to physical resources, and the facilities in vSphere for monitoring the usage of physical resources by a VM.

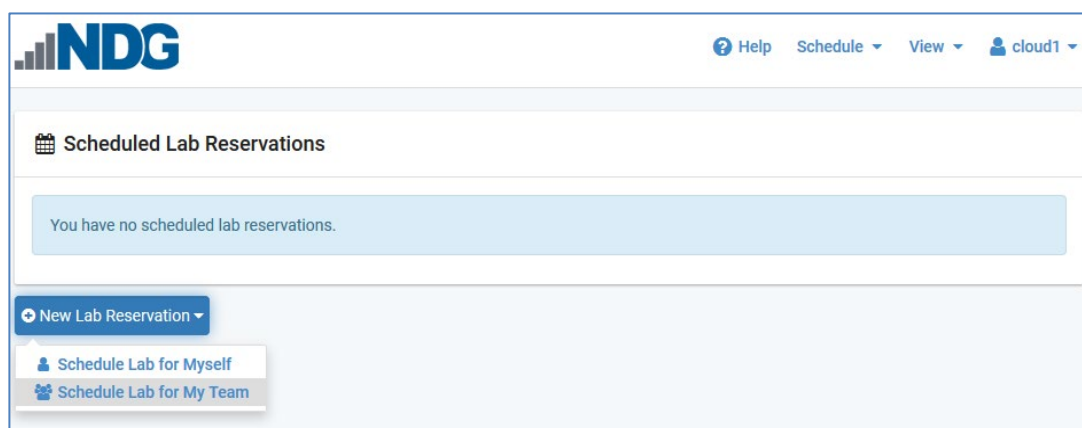
Using NetLab+ VE

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

- Lab 15: Managing VMware vSphere vApps; and
- Lab 16: Resource Pools.

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

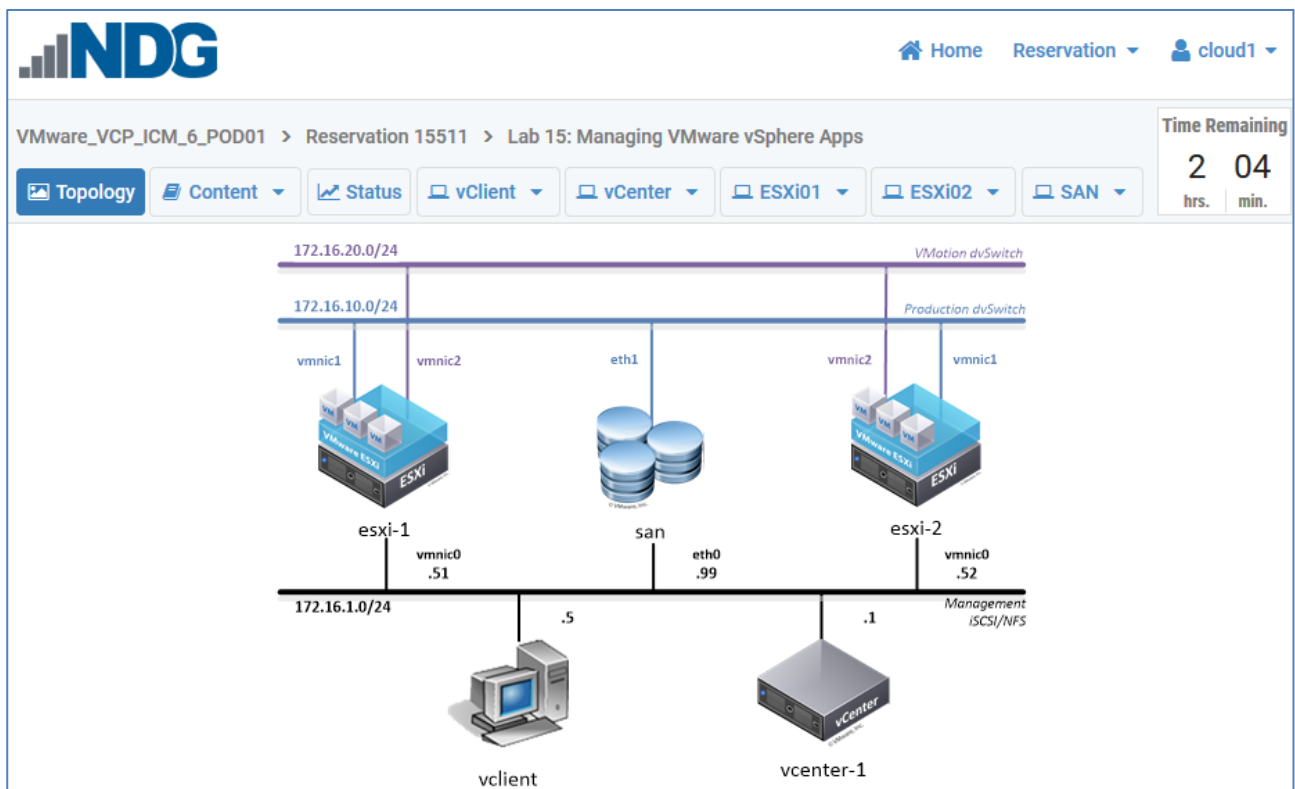
Once you have logged in, book an appropriate Pod and Lab by clicking on the **New Lab Reservation** menu and then the **Schedule Lab for Myself** menu item:



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 15: Managing VMware vSphere vApps.

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 15, you should now complete the following lab:

- Lab 16: Resource Pools.