**Lab 06: vSphere Datastore Implementation**

In this lab, we created a datastore cluster.

**Datastore Cluster**

With vMotion storage, it is possible to migrate VM data from one datastore to another, all while the VM is running. This is extremely useful for balancing loads, performing maintenance, and troubleshooting issues.

Logging onto the vCenter Appliance and using the vSphere Web Client, we created a datastore cluster on the localhost. Storage DRS was enabled, and both NAS01 and NAS02 datastores were selected. Navigating to the newly created cluster and then to NAS01, we observed the options available in the Settings tab, scrolling to Storage DRS Settings. When creating the datastore cluster, we opted to leave the default setting of no automation. The other choice, fully automated, automatically moves VMs to maximise efficient utilisation of the storage resources within the cluster. In the Datastore Capabilities settings, we observed the configuration options for Storage I/O Control.