

Cloud Computing Networks (IT425)

Lab Assignment 3

Due to Thursday, May 16, 2024, at 11:59
PM

➤ **Assignment Rules:**

- Assignments are for **individuals**.
- Follow instructions stated below.
- You will deliver a **document** file with maximum of **10 pages**.
- Convert document to pdf format.
- Name the document file with the following format **studentID Ass#3**.
- Submit your file to the following form [link](#)

This assignment aims at exploring and getting practice in VMware hands-on lab to try the vSphere application on the VMware cloud follow the following steps:

- Open the VMware hands-on lab from the following URL
<https://labs.hol.vmware.com/HOL/catalog>
- Create a new account and log-in
- Search for **Virtualization 101** in search bar
- Click **Enroll** then click **Start this lab**, it will open a session for you in the VMware cloud to test the VMware application live.

➤ **Part 1 - Investigate VSphere Main Services:**

Follow instructions provided in manual [here](#). Go to module 1 read and follow steps then after each section **take screenshot** that shows that you finished configuration and paste it to solution document.

You are required to solve four sections so you can take 4 or more screenshots if you want then answer question in document then submit.

Solve the following sections in module 1:

1. Cloning Virtual Machines and Using Templates
2. Understanding vSphere High Availability and Distributed Resource Scheduler (DRS)
3. vSphere 8 Fault Tolerance Provides Continuous Availability
4. Migrating Virtual Machines with VMware vMotion

Now, answer the following questions:

1. What is the difference between VMware vSphere High Availability (HA) and DRS?
2. What is FDM and what is its rule in vSphere HA?
3. What are the automation levels in DRS and what is their function?