CS 519 Cloud Computing Overview

**VL06: Introduction to Amazon EC2**

School of Technology and Computing

## **Instructions**

## For this activity you will be using AWS Academy Labs - **Introduction to Amazon EC2**.

Please complete the provided lab.

**Write a 150-word summary to explain your understandings and findings from this lab assignment.**

* Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster.
* Simply put, Amazon EC2 provides resizable, secure compute capacity in the cloud via a VM. ... Amazon EC2 provides you with simplified elastic web-scale computing so you or your developers can build failure-resistant apps in the cloud within what AWS calls a “true, virtual computing environment.”
* Launch instances in a variety of operating systems, including Linux, Windows, CentOS and Debian
* Load instances in your custom app environment
* A lockdown security model that prohibits administrative access to eliminate error and tampering
* Pause/resume capabilities for instances through hibernation to avoid instance usage charges
* Optimized CPU configurations for greater instances control
* Flexible storage options, including built-in instance storage, persistent, highly available Amazon Elastic Block Storage (Amazon EBS) and simple, persistent, scalable and fully managed Amazon Elastic File System (Amazon EFS)
* Multiple locations for instances