**EASTERN INTERNATIONAL UNIVERSITY** **Practice Assignment – Quarter …, 20…-20…**

**SCHOOL OF COMPUTING Course Name:** Special Topic 1

**AND INFORMATION TECHNOLOGY** **Course Code:** CSE 484

🙙🕮🙛 **Student’s Full Name:**

**Student ID:**

**Lab 1**

**Background / Scenario**

In this lab, you will investigate the virtual machines used in the lab. You will start with software and image downloading, then creating virtual machines using VirtualBox and end with creating necessary accounts for later use.

As a network engineer, you must do some steps by yourself.

**Required Resources**

* Host computer with at least 4 GB of RAM and 15 GB of free disk space
* High-speed internet access to download VirtualBox and the images from Cisco

**Instructions**

**Part 1: Prepare a Computer for Virtualization**

In this Part, you will download and install desktop virtualization software and the DEVASC VM.

**Step 1: Download and install VirtualBox.**

VMware and Oracle VirtualBox are two virtualization tools available for download and installation to support VM images. In this lab, you will be working with the VirtualBox application. Check if your machine already has VirtualBox installed. If not, try to install it.

**Step 2: Import the DEVASC VM.**

DEVASC stands for Developing Applications and Automating Workflows using Cisco Platforms. It is a course and certification exam offered by Cisco as part of their DevNet Associate program. DEVASC VM is a virtual machine used mainly in the course. In this step, you will be able to get familiar with DEVASC VM importing and starting using VMWare. **Try to find, download, and import** the DEVASC\_VM.OVA into your VirtualBox. You can google the ways to import an ova file into VirtualBox. **Note the links you used in step b in your report.**

**Part 2: Explore the DEVASC VM GUI**

1. Start the DEVASC VM. Capture the running DEVASC VM and note its operating system in your report.
2. List some software that you find useful in computer networking courses in **your report**.

Leave the DEVASC VM on for the next lab.

**Submit: Must include:**

* a **pdf** report file containing your information (student id, name), and images of the diagrams, codes, answers, evident,…
* and all source **code files** (if any)

in a **zipped** (.zip or \*.rar) file to Moodle