ITCO103
Unit 5 Lab

Introduction

LabSim PC Pro is used to provide a simulated, hands-on laboratory for the purposes of learning about important hardware and software concepts. In an online environment it is impossible for students to work directly with hardware or software in administrative scenarios. Therefore, LabSim is the tool that supports students in their pursuit to understand difficult concepts in an online environment.

Use of LabSim PC Pro requires a one-time registration process. You should have received an activation code from the bookstore (Words of Wisdom). Notify the bookstore immediately if you have not yet received your activation code. Contact them at aiuonlinebooks@wordsofwisdombooks.com.

Instructions for accessing LabSim can be found in the Course Materials section. You can also contact your instructor with any questions. You will have access to PC Pro for 36 months (3 years) from the date of registration.

Note that LabSim PC Pro is aligned with CompTIA's A+ certification. Completing this lab will not qualify you to complete the exam. One must complete several courses in order to cover all the concepts included in the certification exam. Further, completing the coursework does not conclude with automatic certification. Those students who wish to pursue certification may do so outside the classroom. For those students that qualify, they may contact the Registrar's office for receipt of a discounted certification voucher honored by CompTIA.

Hardware Requirements: Refer here to verify that you meet the necessary Hardware Requirements. Note that you will need speakers.

Expected Time for Completion: **Five (5) hours or more depending on hardware and familiarity with LabSim**. You may complete the tasks in numerous iterations. You do not need to complete all the lab tasks in one sitting.

Lab Description
Upon completion, you may:

- utilize network troubleshooting tools;
- configure Remote services;
- employ network utilities to obtain configuration information;
- describe a HomeGroup.

Lab Tasks

Each module contains numerous Sections. Each section contains sub-sections. The last sub-section contains Practice Questions related to the topic of that sub-section. The Practice Questions are **not** required. Completing the Practice Questions are **optional**. The results of the Practice Questions do **not** impact your course grade one way or the other.

Module 6.0 Networking

Complete the following three sections and all denoted sub-sections.

Section 6.12 Network Utilities (Review video, demo s and complete **simulations**: Sections 6.12.1, 6.12.2, 6.12.3, 6.12.4, 6.12.5, 6.12.6, 6.12.7, 6.12.10)

Section 6.13 Home Group (Review demo: Section 6.13.1)

Section 6.14 Network Troubleshooting (Review videos, demo and complete **simulations**: Sections 6.14.1, 6.14.3, 6.14.5, 6.14.7, 6.14.8)

Module 9.0 System Management

Complete the following section and all denoted sub-sections.

Section 9.5 Remote Services (Review videos, demos and complete **simulation**: Sections 9.5.1, 9.5.2, 9.5.4, 9.5.6, 9.5.7, 9.5.8)

The above Sections include the following hands-on simulations.

6.12.3 Find Configuration Information 1
6.12.4 Find Configuration Information 2
6.12.5 Find Configuration Information 3
6.12.10 Use ifconfig
6.14.7 Fix a Network Connection 1
6.14.8 Fix a Network Connection 2

9.5.7 Configure Remote Services