**Week 1 – Introduction to OS Architecture**

**What is an operating system (OS)?**

In order to deploy a SOHO type network to meet the needs of a small business / home-office type environment, you must be able to match key business needs with technological support. As a contractor you will identify the key features of mainstream operating systems, their deployment and configuration, and build a small network from scratch. You will start by getting familiar with basic operating systems.

·         Watch the LinkedIn Learning course:  [IT Help Desk for Beginners with Jason Ruediger](https://www.linkedin.com/learning/it-help-desk-for-beginners/what-is-an-it-help-desk?u=56747577)

·         Watch the LinkedIn Learning course:  [Learning Ubuntu Desktop with Scott Simpson](https://www.linkedin.com/learning/learning-ubuntu-desktop/welcome?u=56747577)

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**Next, take some time to familiarize yourself with each of the operating systems.**

·         Power on the virtual machine with the Windows 7 installation and follow through some key exercises designed to familiarize yourself with the Windows operating system desktop.

·        Power on the Ubuntu virtual machine and again follow through some simple exercises to familiarize yourself with the Linux operating system desktop.

**Last, create a simple report featuring the following guidelines:**

·         Create a list of features that explain the fundamental differences between Windows and Linux.

·         Create a set of guidelines for choosing an operating system for different kinds of users and application specific uses.

**Please select a project from the following list to work towards over the next 10 weeks:**

**List of projects:**

·         Build an IT infrastructure for a small company that provides consulting services

·         Create a network for a home that also has an office

·         Build an IT infrastructure for the administration of a small private school

·         Construct a network for a small library

**For your task, provide responses to the following in a Word document and submit them:**

* Select a project
* Explain why you selected this project
* Based on your project selection, explain what requirements and restrictions would be encountered
* Explain how you would go about constructing this project using an engineering approach