

SENECA COLLEGE

SCHOOL OF INFORMATION AND COMMUNICATIONS
TECHNOLOGY

PC HARDWARE I

Project Proposal

Author:

Jiuxiang (Leon) LIN

Nischay LASTNAME

Mackenzie HODD

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The Seneca logo is rendered in a large, bold, red serif font. The letters are thick and closely spaced, with a classic serif design. The 'S' is particularly large and prominent, followed by 'eneca' in a similar style.

Abstract

Proposal for the HWD101 Group Project.

1 Group Members

Name	Student Number	Email	Responsibility
Jiuxiang Lin	124462185	jlin164@myseneca.ca	Tech
Nischay	123456789	nischay@myseneca.ca	Presenter

2 Introduction

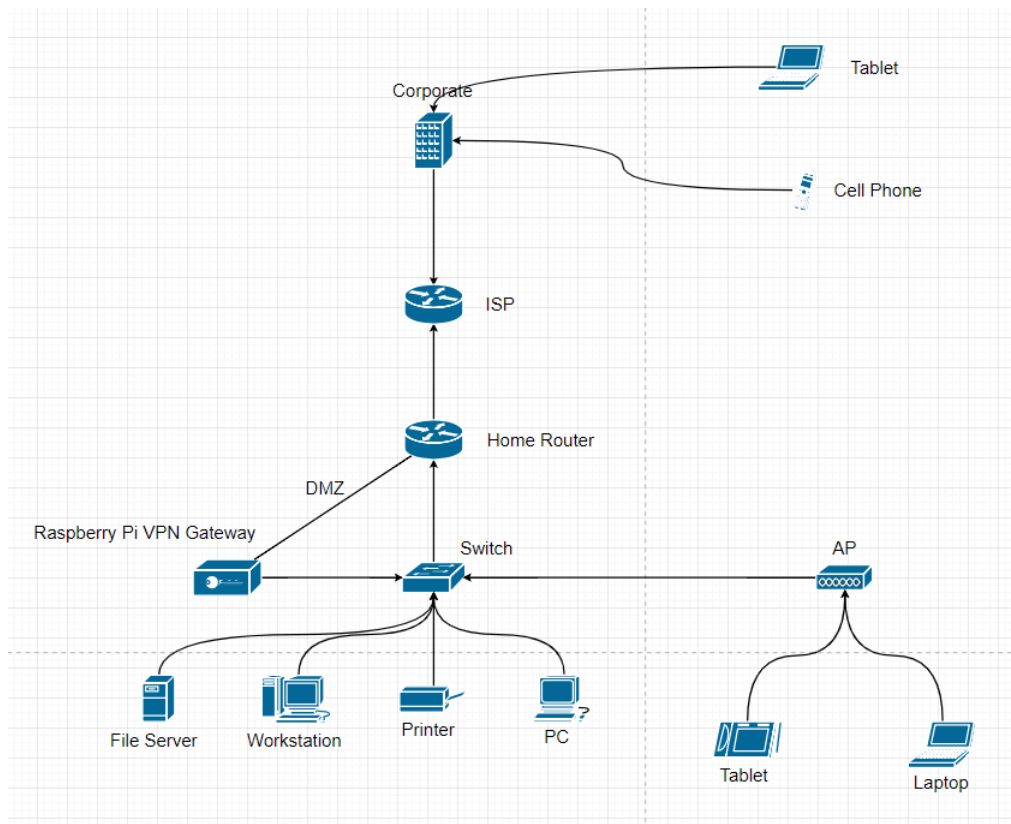
As we move into the new era of technology, the demand of security, accessibility and convenience is getting higher and higher. Enterprise class solutions are very capable with outstanding quality. However, as an ordinary Internet user, it is very hard for an individual to afford the enterprise grade services.

3 Topology Design

3.1 Option 1

The raspberry pi will have the following roles on the network:

1. OpenConnect Server
2. Pi-Hole
3. FreeRADIUS



3.2 Option 2

The raspberry pi will have the following roles on the network:

1. OpenConnect Server

2. Pi-Hole
3. FreeRADIUS
4. Router
5. DHCP Server

4 Materials Needed

The follow is a list of all the components and devices that are expected to be used in this project. Some of these devices are enterprise level devices. They are used not because this project require excessive computing power nor throughput. They are used since Jiuxiang Lin is already in possession of these devices.

1. Raspberry pi
2. Cisco C819G (Router)
3. Cisco WS-C3750 (Swich)
4. Laptop / Smart phone (as terminal devices)
5. Ethernet cables
6. Other minor accessories