Defence Network

Group No. 1

Sanjana Nalawade (17104056)
Sahil Naik (17104054)
Himanshu Raut (17104035)

Project Guide: Vishal Badgujar

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Introduction

• Networking is referred to as connecting computers electronically for the purpose of sharing information. For the very purpose of sharing information we need to build a secure network with which transfer of information becomes reliable.

• Defence network is for securing military and government computer systems.

• Like everyone else in the world, national agencies also have to secure their systems against malicious cyber attacks.

• Hence we have decided to build a design for Defence Network which consist of two functional areas naming Central Command (Headquarters) and Base Camp network.

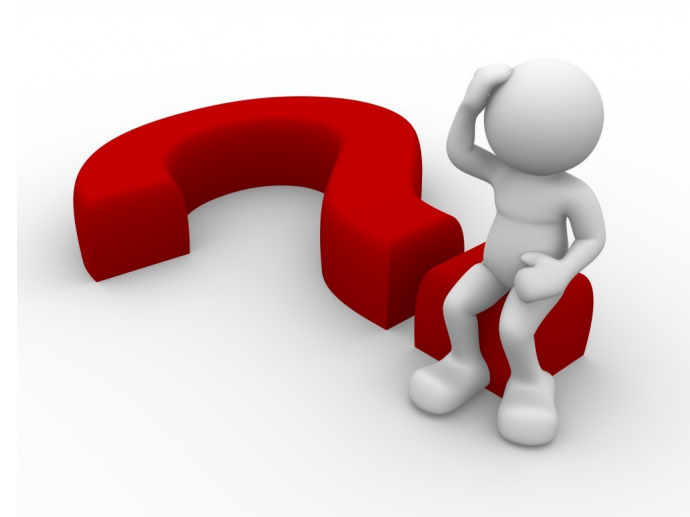• In this project we are establishing a secure communication between both these functional areas

Objectives

• Build a compatible wireless and wired solutions for use in the required environment.

• Securing headquarters, offices and the base camp offices with the required firewalls, access control lists, and special privileges.
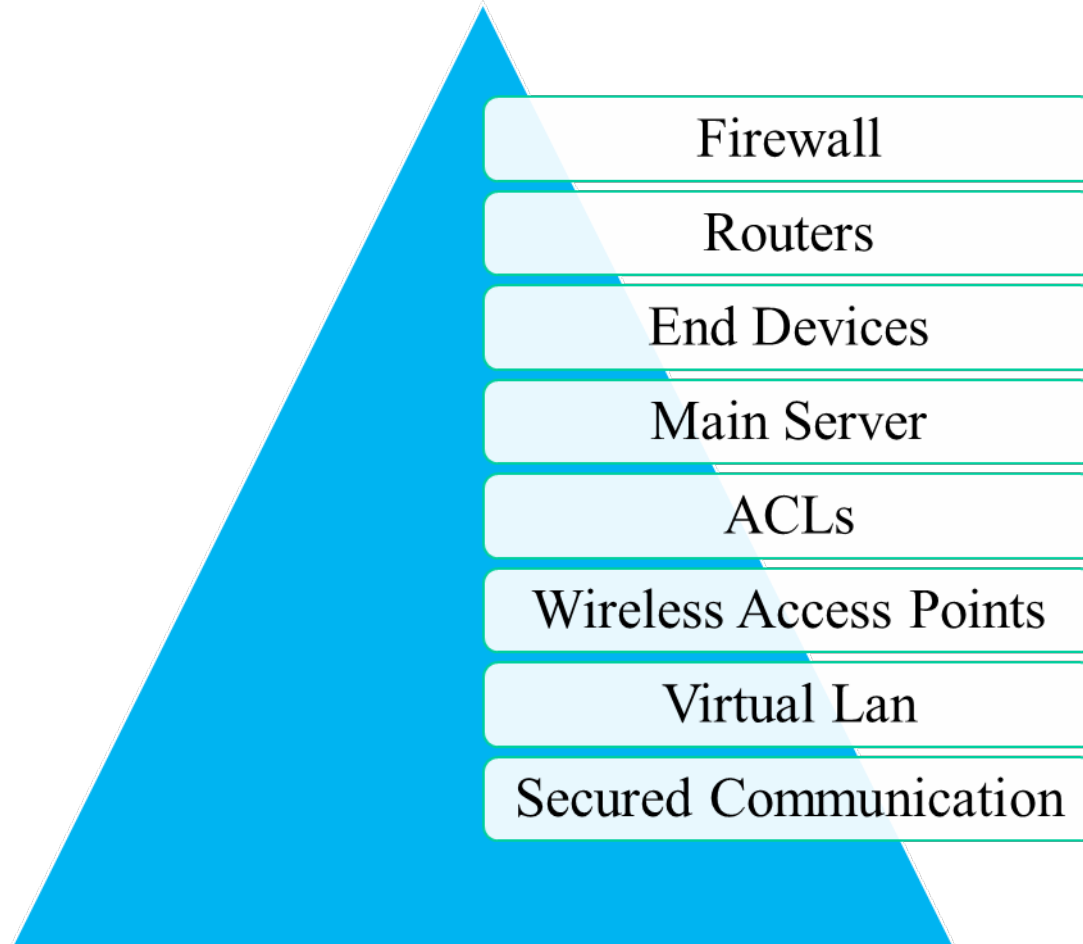
Problem Definition

- To design a defence network for securing military and government computer systems with confidential information.

- To build and establish secure wired and wireless connection for communication in the required environment like base camps, headquarters, etc.

Technological Stack

Firewall

Routers

End Devices

Main Server

ACLs

Wireless Access Points

Virtual Lan

Secured Communication

Network Devices

Cisco ASA 5505

Router

Server
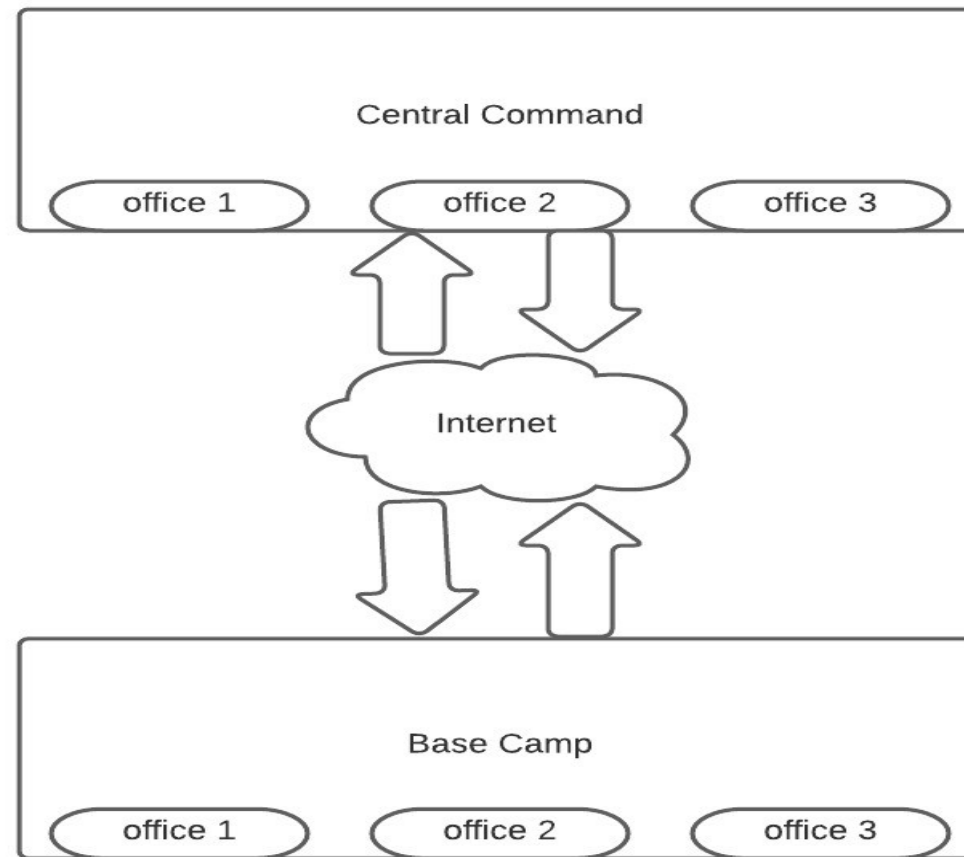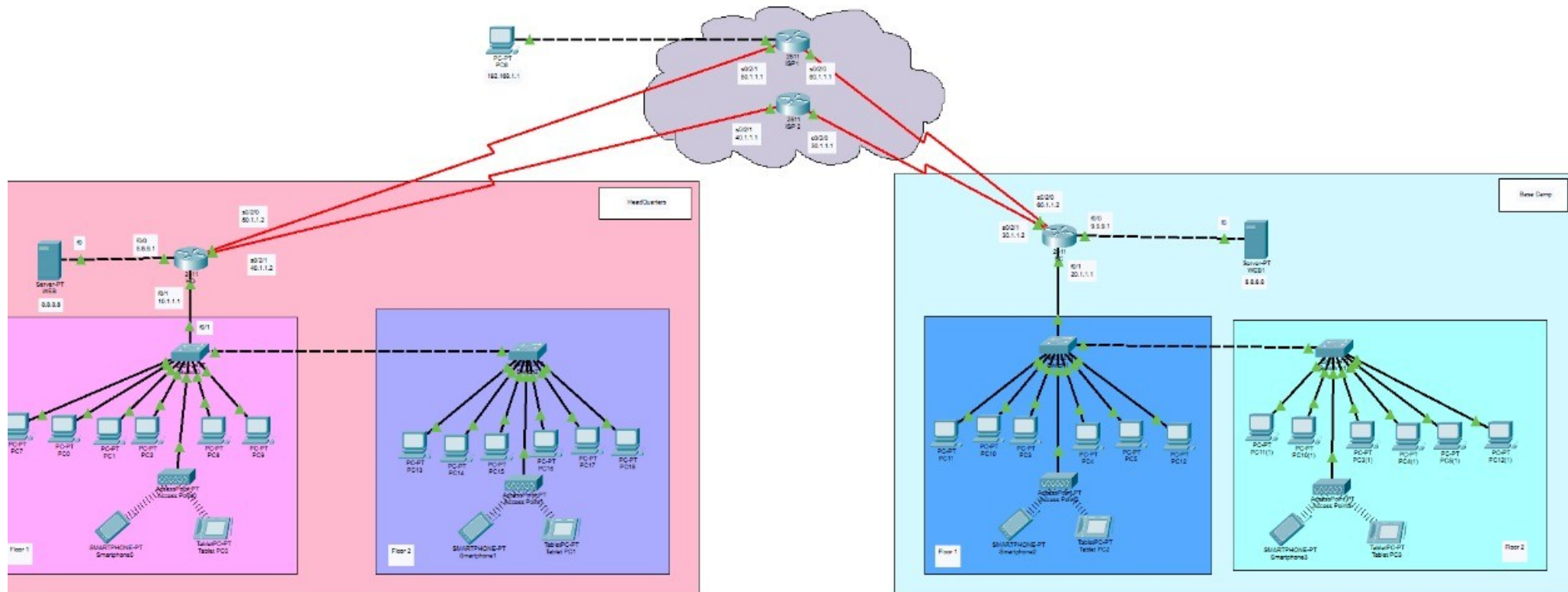
Switches

Access Point

Smart Devices

Static Block Diagram (Existing Infrastructure)

Current topology

Thank You!