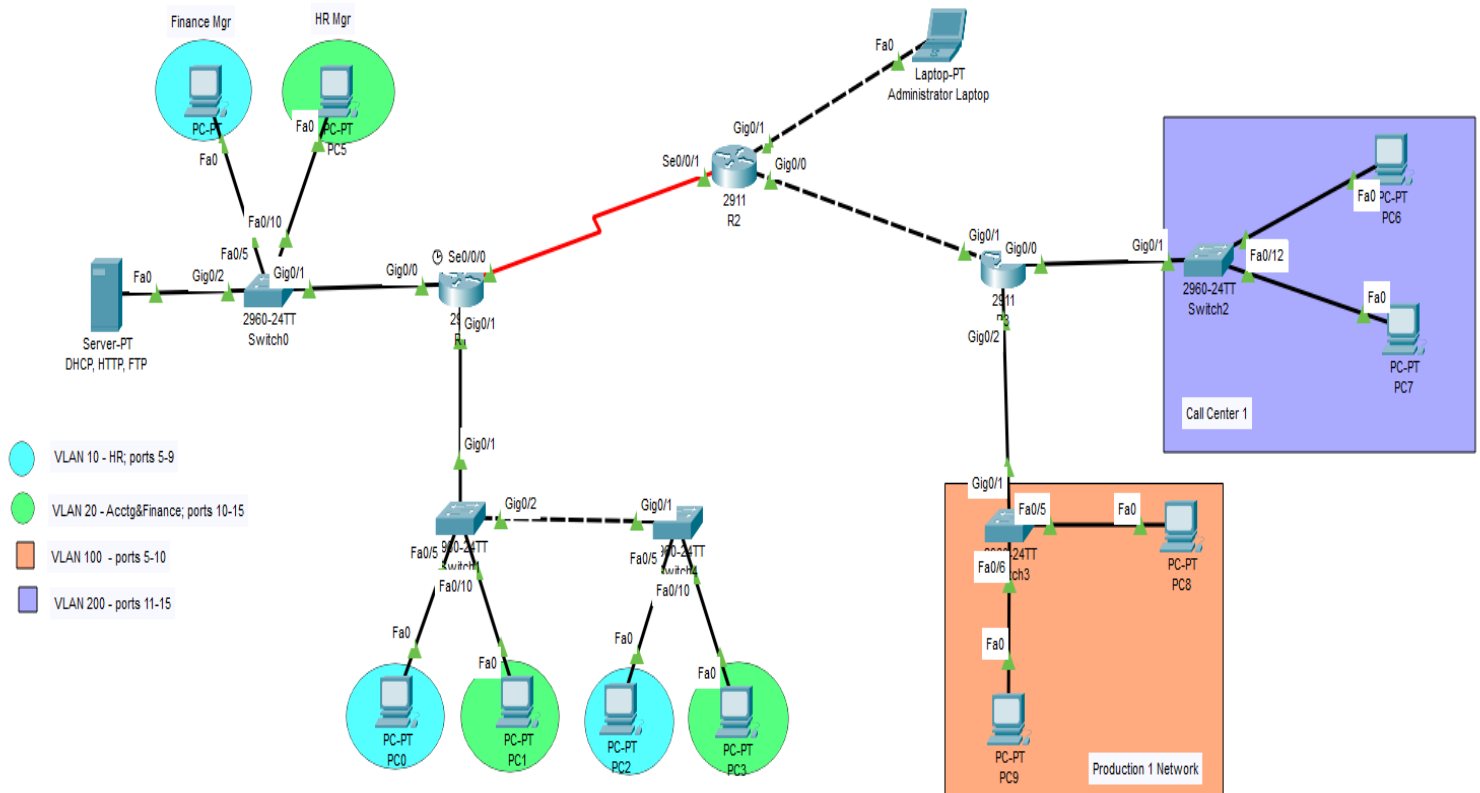**Final PT Lab Act 7.0.0.2: Implementing Standard Access Control List**

Topology

Objectives:

1. Develop the Topology
2. Assign Computer on each VLAN, ports and addresses
3. All Computer will get its IP from the Server

a. VLAN 10 - 198.10.128.0/22 - create 50 host

. VLAN 20 - 200.11.224./21 - create 30 hosts

c. VLAN 100 - 158.12.192/20 - 100 hosts

d. VLAN 200 - 199.33.128/19 - 200 hosts

e. Network address for point to point connection - 10.10.10.0/30

4. Network connected via Serial connection has EIGRP network and network connected via Ethernet cable is OSPF
5. Configure the Server Services:

a. DHCP - address given above.

b. WEBSITE - with the company name www.abcxyzco.com (Links to an external site.) as the DNS

download this file for the website content: abcxyc.html

c. FTP - create 3 files, copy and paste the contents of each file and save it to the following

File1.txt - A person, group or organization that has interest or concern in an organization. Stakeholders can affect or be affected by the organization's actions, objectives and policies. Some examples of key stakeholders are creditors, directors, employees, government (and its agencies), owners (shareholders), suppliers, unions, and the community from which the business draws its resources.

File2.txt - Not all stakeholders are equal. A company's customers are entitled to fair trading practices but they are not entitled to the same consideration as the company's employees.
An example of a negative impact on stakeholders is when a company needs to cut costs and plans a round of layoffs.

File3.txt- This negatively affects the community of workers in the area and therefore the local economy. Someone owning shares in a business such as Microsoft is positively affected, for example, when the company releases a new device and sees their profit and therefore stock price rise.
See also corporate governance.

6. Assign the following Access Control List

a. block production to access acctg&Finance
b. permit call center to access to access acctg&Finance
c. block all computers from VLAN 10 and VLAN 20 to access their managers computer
d. block all computers to perform SSH
e. permit administrators laptop to perform SSH to all routers
f. permit Call Center Network to download files from FTP server but production network cannot access it.
g. permit production network to access website but the call center network is blocked

Rubric:
Topology - 0 points
Addressing - 10 pts
Protocol Implementation - 10 pts
Access Control List Implementation
        a. 10 pts
        b. 10 pts
        c. 10 pts
        d. 10 pts
        e. 10 pts
        f. 10 pts
        g. 10 pts
SSH Verification - 10 pts