



CYB 310 Network Reconfiguration Planning

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5-3 Project Three Milestone: Network Reconfiguration Pre-planning

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Current Network State

Sales Department

- Four PCs
- One switch

Customer Service Department

- Three PCs
- One server
- One switch

Human Resources Department

- Four PCs
- One switch

Backbone (Network Device Infrastructure)

- Sales switch is connected to Office Router.
- Customer Service switch is connected to Office Router.
- Human Resources switch is connected to Office Router.
- Office Router is connected to Edge Router.
- Edge Router is connected to Edge Firewall.
- Edge Firewall is connected to the WAN (Cloud).

Network Reconfiguration (Future State)

Customer Experience Department

- 6 PCs
- 1 Switch

HR Department

- 3 PCs
- 1 Switch

Network Servers

- 2 Servers (WebServer, AuthServer)
- 1 ServerSwitch
- 1 ServerRouter



Backbone (Network Device Infrastructure)

EdgeFirewall

- **Port EM1 (192.1681.1) connects > BackboneSwitch Port 0**
- **Port EM0 connects > Cloud**

BackboneSwitch

- **Port 0 connects > EdgeFirwall > EM1**
- **Port 1 connects > CoreRouter FastEthernert 0/0 (192.168.1.2)**
- **Port 2 connects > ServerRouter FastEthernert 0/0 (192.168.1.3)**

CoreRouter

- **FastEthernet 0/0 connects > BackboneSwitch Port 1**
- **FastEthernet 0/1 (192.168.2.1) connects > CustExpSwitch Port 0**
- **FastEthernet 1/0 (192.168.3.1) connects > HRSwitch Port 0**

ServerRouter

- **FastEthernet 0/0 connects > BackboneSwitch Port 2**
- **FastEthernet 0/1 (192.168.4.1) connects to ServerSwitch Port 0**