CYB 310 Network Reconfiguration Planning Template

Complete this worksheet by replacing the bracketed text.

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
- Six PC's (CustExpPC1, CustExpPC2, CustExpPC3, CustExpPC4, CustExpPC5, CustExpPC6).
- One Switch (CustExpSwitch).

HR Department
- Three PC's (HRPC1, HRPC2, HRPC3).
- One Switch (HRSwitch).

Network Servers
- Two Servers (WebServer, AuthServer).
- One Switch (ServerSwitch).
- One Router (ServerRouter).

Backbone (Network Device Infrastructure)
- CustExpSwitch Port 0 is connected to CoreRouter FastEthernet 0/1.
- CoreRouter FastEthernet 0/0 is connected to BackboneSwitch Port 1.
- CoreRouter FastEthernet 0/1 is connected to CustExpSwitch Port 0.
- CoreRouter FastEthernet 1/0 is connected to HRSwitch Port 0.
- HRSwitch Port 0 is connected to CoreRouter FastEthernet 1/0.
- ServerSwitch Port 0 is connected to ServerRouter FastEthernet 0/1.

- ServerRouter FastEthernet 0/0 is connected to BackboneSwitch Port 2.
- ServerRouter FastEthernet 0/1 is connected to ServerSwitch Port 0.
- WebServer is connected to ServerSwitch Port 1.
- AuthServer is connected to ServerSwitch Port 2.
- CustExpPC1 is connected to CustExpSwitch Port 1.
- CustExpPC2 is connected to CustExpSwitch Port 2.
- CustExpPC3 is connected to CustExpSwitch Port 3.
- CustExpPC4 is connected to CustExpSwitch Port 4.
- CustExpPC5 is connected to CustExpSwitch Port 5.
- CustExpPC6 is connected to CustExpSwitch Port 6.
- HRPC1 is connected to HRSwitch Port 1.
- HRPC2 is connected to HRSwitch Port 2.
- HRPC3 is connected to HRSwitch Port 3.
- EdgeFirewall EM1 is connected to BackboneSwitch Port 0.
- EdgeFirewall EM0 is connected to the Cloud.
- EdgeFirewall EM0 is configured to allow port 80 HTTP and port 443 HTTPS from the WAN to the Web Server.
- EdgeFirewall EM1 is configured to block port 80 HTTP and port 443 HTTPS from the WAN to any other system.