# CYB 310 Network Reconfiguration Planning Template

## Current Network State

Sales Department

* 3 PCs
* 1 switch

Subnet 2 Department

* 3 PCs
* 1 switch

Network 3 Department

* 4 PCs
* 1 switch

Server Network 3

* 1 PC
* 1 switch

Server Main PC

* 1 server main PC

Backbone (Network Device Infrastructure)

* Sales switch is connected to switch0
* Subnet 2 switch is connected to pfsense4-2
* Network 3 switch is connected to pfsense4-3 and R2
* Server Network 3 switch is connected to R2
* Server Main PC is connected to R1
* Pfsense4-2 is connected to switch0
* Pfsense4-3 is connected to switch0
* R1 is connected to switch0
* Switch0 is connected to pfsense4-1
* Pfsense4-1 connected to the internet

## Network Reconfiguration (Future State)

Customer Experience Department

* 6 PCs
* 1 Switch

HR Department

* 3 PCs
* 1 Switch

Network Servers

* 2 servers
* 1 switch
* 2 routers

Backbone (Network Device Infrastructure)

-ServerSwitch connected to ServerRouter 0/1

-CustExpSwitch port 0 connected to CoreRouter 0/1

-HRSwitch port 1 connected to CoreRouter 1/0

-ServerRouter 0/0 connected to BackboneSwitch port 2

-ServerRouter 0/1 connected to ServerSwitch port 0

-CoreRouter 0/0 Connected to BackboneSwitch port 1

-WebServer connected to ServerSwitch port 1

-AuthServer connected to ServerSwitch port 2

-CustExpPC1-6 connected to CustExpSwitch ports 1-6

-HRPC1-3 connected to HRSwitch ports 1-3

-EdgeFirewall connected to BackboneSwitch Port 0

-EdgeFirewall connected to cloud

-Webserver firewall allows traffic from WAN on ports 80 HTTP and 443 HTTPS

-WAN blocks traffic from other systems on ports 80 HTTP and 443 HTTPS

-CustEXP in VLAN 2

-HR in VLAN 3

-Backbone in VLAN 1

-Both servers in VLAN 4

-Firewalls, Routers, and PCs will be configured with IP addresses, -subnet masks, and gateways