**COM 5335 : NETWORK SECURITY ASSIGNMENT#3**

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1. Show my assign IP address list in the following table.

* The device information under each VLAN

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| Devices | IP/Mask | Getway | VLAN |
| PC0 | 192.168.10.2/24 | 192.168.10.1 | VLAN 10 |
| PC1 | 192.168.20.2/24 | 192.168.20.1 | VLAN 20 |
| PC2 | 192.168.30.2/24 | 192.168.30.1 | VLAN 30 |
| PC3 | 192.168.100.2/24 | 192.168.100.1 | VLAN 100 |
| PC4 | 192.168.200.2/24 | 192.168.200.1 | VLAN 200 |
| Web Server | 192.168.1.5/24 | 192.168.1.1 |  |
| Mail Server | 192.168.1.6/24 | 192.168.1.1 |  |

* Router Information

I. List all the commands I use in this assignment.

* Configure within the Ireland Switch

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| **>** enable  # configure terminal  (config)# VLAN 10  (config)# VLAN 20  (config)# VLAN 30  (config)# interface fastEthernet 0/1  (config-if)# switchport access vlan 10  (config-if)# switchport mode access  (config)# interface fastEthernet 0/2  (config-if)# switchport access vlan 20  (config-if)# switchport mode access  (config)# interface fastEthernet 0/3  (config-if)# switchport access vlan 30  (config-if)# switchport mode access  (config-if)# end  # show vlan brief  (config)# interface gigabitEthernet 0/1  (config-if)# no shutdown  (config-if)# switchport mode trunk  # show run  # copy running-config startup-config |

* Configure within the Dublin Router

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| > enable  # configure terminal  (config)# interface gigabitEthernet 0/0  (config-if)# no shutdown  (config)# interface gigabitEthernet 0/0.10  (config-subif)# encapsulation dot1Q 10  (config-subif)# ip address 192.168.10.1 255.255.255.0  (config)# interface gigabitEthernet 0/0.20  (config-subif)# encapsulation dot1Q 20  (config-subif)# ip address 192.168.20.1 255.255.255.0  (config)# interface gigabitEthernet 0/0.30  (config-subif)# encapsulation dot1Q 30  (config-subif)# ip address 192.168.30.1 255.255.255.0  # show run  # show ip route  (config)# line console 0  (config-line)# password ireland@cisco  (config-line)# login  (config)# enable password ireland@cisco  (config)# line vty 0 4  (config-line)# password ciscocisco  (config-line)# login  # copy running-config startup-config |

* Configure within the Germany Switch

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| > enable  # configure terminal  (config)# VLAN 100  (config)# VLAN 200  (config)# interface fastEthernet 0/1  (config-if)# switchport access vlan 100  (config-if)# switchport mode access  (config)# interface fastEthernet 0/2  (config-if)# switchport access vlan 200  (config-if)# switchport mode access  (config-if)# end  # show vlan brief  (config)# interface gigabitEthernet 0/1  (config-if)# no shutdown  (config-if)# switchport mode trunk  # show run  # copy running-config startup-config |

* Configure within the Berlin Router

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| > enable  # configure terminal  (config)# interface gigabitEthernet 0/0  (config-if)# no shutdown  (config)# interface gigabitEthernet 0/0.100  (config-subif)# encapsulation dot1Q 100  (config-subif)# ip address 192.168.100.1 255.255.255.0  (config)# interface gigabitEthernet 0/0.200  (config-subif)# encapsulation dot1Q 200  (config-subif)# ip address 192.168.200.1 255.255.255.0  # show run  # show ip route  (config)# line console 0  (config-line)# password germany@cisco  (config-line)# login  (config)# enable password germany@cisco  (config)# line vty 0 4  (config-line)# password ciscocisco  (config-line)# login  # copy running-config startup-config |