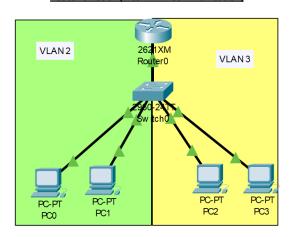
Router on Stick (InterVLAN Communication)



Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 2

Switch(config-vlan)#name HR_dept

Switch(config-vlan)#vlan 3

Switch(config-vlan)#name sales dept

Switch(config-vlan)#exit

Switch(config)#int range fa0/1-2

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 2

Switch(config-if-range)#int range fa0/3-4

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 3

Switch(config-if-range)#exit

Switch(config)#fa 0/24

Switch(config)#int fa 0/24

Switch(config-if)#switchport mode trunk

Switch(config-if)#^Z

Router>en

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/0.1

Router(config-subif)#encapsulation dot1q 2

Router(config-subif)#ip address 192.168.1.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa0/0.2

Router(config-subif)#encapsulation dot1q 3

Router(config-subif)#ip address 192.168.2.1 255.255.255.0

Router(config-subif)#exit

Router(config)#int fa 0/0

Router(config-if)#no sh

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#ip dhcp pool test

Switch(dhcp-config)#network 192.168.1.0 255.255.255.0

Switch(dhcp-config)#default-router 192.168.1.1

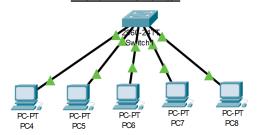
Switch(dhcp-config)#exit

Switch(config)#int vlan 1

Switch(config-if)#ip add 192.168.1.2 255.255.255.0

Switch(config-if)#no sh

DHCP SERVER ON Switch



Switch>en Switch#conf t Enter configuration commands, one per line. End with CNTL/Z. Switch(config)#ip dhcp pool test Switch(dhcp-config)#network 192.168.1.0 255.255.255.0 Switch(config)#ip dhcp excluded-address 192.168.1.1 Switch(dhcp-config)#default-router 192.168.1.1 Switch(dhcp-config)#exit Switch(config)#int vlan 1 Switch(config-if)#ip add 192.168.1.2 255.255.255.0 Switch(config-if)#no sh

ROUTING INFORMATION PROTOCOL (RIP) https://www.geeksforgeeks.org/routing-information-protocol-rip/