

HOTEL NETWORK CONFIGURATIONS

FIRST FLOOR

ROUTER CONFIGURATIONS

```
RTR-FL1(config)#hostname RTR-FL1
RTR-FL1(config)#enable secret project5
RTR-FL1(config)#username noxy secret project5
RTR-FL1(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
RTR-FL1(config)#line con 0
RTR-FL1(config-line)#login local
RTR-FL1(config-line)#logging synchronous
RTR-FL1(config-line)#password project5
RTR-FL1(config-line)#exec-timeout 30
RTR-FL1(config-line)#exit
RTR-FL1(config)#line vty 0 15
RTR-FL1(config-line)#login local
RTR-FL1(config-line)#logging synchronous
RTR-FL1(config-line)#exec-timeout 30
RTR-FL1(config-line)#password project5
RTR-FL1(config-line)#transport input ssh
RTR-FL1(config-line)#exit
RTR-FL1(config)#ip domain-name cisco.com
RTR-FL1(config)#crypto key generate rsa general-keys modulus 1024
RTR-FL1(config)#username noel secret project5
RTR-FL1(config)#ip ssh version 2
RTR-FL1(config)#interface se0/0/0
RTR-FL1(config-if)#ip address 10.10.10.6 255.255.255.252
RTR-FL1(config-if)#no shutdown
RTR-FL1(config-if)#exit
RTR-FL1(config)#int se0/0/1
RTR-FL1(config-if)#ip address 10.10.10.10 255.255.255.252
RTR-FL1(config-if)#no shutdown
RTR-FL1(config-if)#exit
RTR-FL1(config)#interface g0/0
RTR-FL1(config-if)#no shutdown
RTR-FL1(config-if)#int g0/0.70
RTR-FL1(config-subif)#encapsulation dot1q 70
RTR-FL1(config-subif)#ip address 192.168.7.1 255.255.255.0
RTR-FL1(config-subif)#exit
RTR-FL1(config)#int g0/0.80
RTR-FL1(config-subif)#encapsulation dot1q 80
RTR-FL1(config-subif)#ip address 192.168.8.1 255.255.255.0
RTR-FL1(config-subif)#exit
RTR-FL1(config)#int g0/0.90
RTR-FL1(config-subif)#encapsulation dot1q 90
RTR-FL1(config-subif)#ip address 192.168.9.1 255.255.255.0
RTR-FL1(config-subif)#exit
RTR-FL1(dhcp-config)#EXIT
RTR-FL1(config)#router ospf 1
RTR-FL1(config-router)#network 192.168.0.0 0.0.255.255 area 0
RTR-FL1(config-router)#network 10.10.10.4 0.0.0.3 area 0
RTR-FL1(config-router)#network 10.10.10.8 0.0.0.3 area 0
RTR-FL1(config-router)#do write
```

FLOO1 SWITCH CONFIGURATIONS

```
Switch(config)#hostname FL1-SW
FL1-SW(config)#enable secret project5
FL1-SW(config)#username noxy secret project5
FL1-SW(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
FL1-SW(config)#line con 0
```

```

FL1-SW(config-line)#login local
FL1-SW(config-line)#logging synchronous
FL1-SW(config-line)#password project5
FL1-SW(config-line)#exec-timeout 30
FL1-SW(config-line)#exit
FL1-SW(config)#line vty 0 15
FL1-SW(config-line)#login local
FL1-SW(config-line)#logging synchronous
FL1-SW(config-line)#exec-timeout 30
FL1-SW(config-line)#password project5
FL1-SW(config-line)#exit
FL1-SW(config)#vlan 90
FL1-SW(config-vlan)#name RECEPTION
FL1-SW(config-vlan)#vlan 80
FL1-SW(config-vlan)#name STORE
VLAN #20 and #80 have an identical name: STORE
FL1-SW(config-vlan)#vlan 70
FL1-SW(config-vlan)#name LOGISTICS
FL1-SW(config-vlan)#int range fa0/1-10
FL1-SW(config-if-range)#switchport mode access
FL1-SW(config-if-range)#switchport access vlan 80
FL1-SW(config-if-range)#switchport port-security
FL1-SW(config-if-range)#switchport port-security maximum 2
FL1-SW(config-if-range)#switchport port-security violation shutdown
FL1-SW(config-if-range)#switchport port-security mac-address sticky
FL1-SW(config-if-range)#exit
FL1-SW(config)#int range fa0/11-14
FL1-SW(config-if-range)#switchport mode access
FL1-SW(config-if-range)#switchport access vlan 90
FL1-SW(config-if-range)#switchport port-security
FL1-SW(config-if-range)#switchport port-security maximum 2
FL1-SW(config-if-range)#switchport port-security violation shutdown
FL1-SW(config-if-range)#switchport port-security mac-address sticky
FL1-SW(config-if-range)#exit
FL1-SW(config)#int range fa0/15-20
FL1-SW(config-if-range)#switchport mode access
FL1-SW(config-if-range)#switchport access vlan 70
FL1-SW(config-if-range)#switchport port-security
FL1-SW(config-if-range)#switchport port-security maximum 2
FL1-SW(config-if-range)#switchport port-security violation shutdown
FL1-SW(config-if-range)#switchport port-security mac-address sticky
FL1-SW(config-if-range)#exit
FL1-SW(config)#int g0/1
FL1-SW(config-if)#switchport mode trunk
FL1-SW(config-if)#do write

```

THIRD FLOOR

ROUTER CONFIGURATIONS

```

RTR-FL3(config)#hostname RTR-FL3
RTR-FL3(config)#enable secret project5
RTR-FL3(config)#username noxy secret project5
RTR-FL3(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
RTR-FL3(config)#line con 0
RTR-FL3(config-line)#login local
RTR-FL3(config-line)#logging synchronous
RTR-FL3(config-line)#password project5
RTR-FL3(config-line)#exec-timeout 30
RTR-FL3(config-line)#exit
RTR-FL3(config)#line vty 0 15

```

```

RTR-FL3(config-line)#login local
RTR-FL3(config-line)#logging synchronous
RTR-FL3(config-line)#exec-timeout 30
RTR-FL3(config-line)#password project5
RTR-FL3(config-line)#transport input ssh
RTR-FL3(config-line)#exit
RTR-FL3(config)#ip domain-name cisco.com
RTR-FL3(config)#crypto key generate rsa general-keys modulus 1024
RTR-FL3(config)#username noel secret project5
RTR-FL3(config)#ip ssh version 2
RTR-FL3(config)#interface se0/0/0
RTR-FL3(config-if)#ip address 10.10.10.9 255.255.255.252
RTR-FL3(config-if)#no shutdown
RTR-FL3(config-if)#exit
RTR-FL3(config)#int se0/0/1
RTR-FL3(config-if)#ip address 10.10.10.1 255.255.255.252
RTR-FL3(config-if)#no shutdown
RTR-FL3(config-if)#exit
RTR-FL3(config)#interface g0/0
RTR-FL3(config-if)#no shutdown
RTR-FL3(config-if)#int g0/0.10
RTR-FL3(config-subif)#encapsulation dot1q 10
RTR-FL3(config-subif)#ip address 192.168.1.1 255.255.255.0
RTR-FL3(config-subif)#ip helper-address 192.168.2.10
RTR-FL3(config-subif)#exit
RTR-FL3(config)#int g0/0.20
RTR-FL3(config-subif)#encapsulation dot1q 20
RTR-FL3(config-subif)#ip address 192.168.2.1 255.255.255.0
RTR-FL3(config-subif)#exit
RTR-FL3(config)#int g0/0.30
RTR-FL3(config-subif)#encapsulation dot1q 30
RTR-FL3(config-subif)#ip address 192.168.3.1 255.255.255.0
RTR-FL3(config-subif)#ip helper-address 192.168.2.10
RTR-FL3(config-subif)#exit
RTR-FL3(config)#router ospf 1
RTR-FL3(config-router)#network 192.168.0.0 0.0.255.255 area 0
RTR-FL3(config-router)#network 10.10.10.0 0.0.0.3 area 0
RTR-FL3(config-router)#network 10.10.10.8 0.0.0.3 area 0
RTR-FL3(config-router)#do write

```

FLOOR 3 SWITCH CONFIGURATIONS

```

Switch(config)#hostname FL3-SW
FL3-SW(config)#enable secret project5
FL3-SW(config)#username noxy secret project5
FL3-SW(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
FL3-SW(config)#line con 0
FL3-SW(config-line)#login local
FL3-SW(config-line)#logging synchronous
FL3-SW(config-line)#password project5
FL3-SW(config-line)#exec-timeout 30
FL3-SW(config-line)#exit
FL3-SW(config)#line vty 0 15
FL3-SW(config-line)#login local
FL3-SW(config-line)#logging synchronous
FL3-SW(config-line)#exec-timeout 30
FL3-SW(config-line)#password project5
FL3-SW(config-line)#exit
FL3-SW(config)#vlan 20
FL3-SW(config-vlan)#name SERVER
FL3-SW(config-vlan)#vlan 30
FL3-SW(config-vlan)#name ADMIN

```

```

FL3-SW(config-vlan)#vlan 10
FL3-SW(config-vlan)#name IT-DEP
FL3-SW(config-vlan)#int range fa0/1-10
FL3-SW(config-if-range)#switchport mode access
FL3-SW(config-if-range)#switchport access vlan 10
FL3-SW(config-if-range)#switchport port-security
FL3-SW(config-if-range)#switchport port-security maximum 2
FL3-SW(config-if-range)#switchport port-security violation shutdown
FL3-SW(config-if-range)#switchport port-security mac-address sticky
FL3-SW(config-if-range)#exit
FL3-SW(config)#int range fa0/11-14
FL3-SW(config-if-range)#switchport mode access
FL3-SW(config-if-range)#switchport access vlan 20
FL3-SW(config-if-range)#switchport port-security
FL3-SW(config-if-range)#switchport port-security maximum 2
FL3-SW(config-if-range)#switchport port-security violation shutdown
FL3-SW(config-if-range)#switchport port-security mac-address sticky
FL3-SW(config-if-range)#exit
FL3-SW(config)#int range fa0/15-20
FL3-SW(config-if-range)#switchport mode access
FL3-SW(config-if-range)#switchport access vlan 30
FL3-SW(config-if-range)#switchport port-security
FL3-SW(config-if-range)#switchport port-security maximum 2
FL3-SW(config-if-range)#switchport port-security violation shutdown
FL3-SW(config-if-range)#switchport port-security mac-address sticky
FL3-SW(config-if-range)#exit
FL3-SW(config)#int g0/1
FL3-SW(config-if)#switchport mode trunk
FL3-SW(config-if)#do write

```

SECOND FLOOR

ROUTER CONFIGURATIONS

```

RTR-FL2(config)#hostname RTR-FL2
RTR-FL2(config)#enable secret project5
RTR-FL2(config)#username noxy secret project5
RTR-FL2(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
RTR-FL2(config)#line con 0
RTR-FL2(config-line)#login local
RTR-FL2(config-line)#logging synchronous
RTR-FL2(config-line)#password project5
RTR-FL2(config-line)#exec-timeout 30
RTR-FL2(config-line)#exit
RTR-FL2(config)#line vty 0 15
RTR-FL2(config-line)#login local
RTR-FL2(config-line)#logging synchronous
RTR-FL2(config-line)#exec-timeout 30
RTR-FL2(config-line)#password project5
RTR-FL2(config-line)#transport input ssh
RTR-FL2(config-line)#exit
RTR-FL2(config)#ip domain-name cisco.com
RTR-FL2(config)#crypto key generate rsa general-keys modulus 1024
RTR-FL2(config)#username noel secret project5
RTR-FL2(config)#ip ssh version 2
RTR-FL2(config)#interface se0/0/0
RTR-FL2(config-if)#ip address 10.10.10.5 255.255.255.252
RTR-FL2(config-if)#no shutdown
RTR-FL2(config-if)#exit
RTR-FL2(config)#int se0/0/1
RTR-FL2(config-if)#ip address 10.10.10.2 255.255.255.252

```

```

RTR-FL2(config-if)#no shutdown
RTR-FL2(config-if)#exit
RTR-FL2(config)#interface g0/0
RTR-FL2(config-if)#no shutdown
RTR-FL2(config-if)#int g0/0.40
RTR-FL2(config-subif)#encapsulation dot1q 40
RTR-FL2(config-subif)#ip address 192.168.4.1 255.255.255.0
RTR-FL2(config-subif)#ip helper-address 192.168.2.10
RTR-FL2(config-subif)#exit
RTR-FL2(config)#int g0/0.50
RTR-FL2(config-subif)#encapsulation dot1q 50
RTR-FL2(config-subif)#ip address 192.168.5.1 255.255.255.0
RTR-FL2(config-subif)#ip helper-address 192.168.2.10
RTR-FL2(config-subif)#exit
RTR-FL2(config)#int g0/0.60
RTR-FL2(config-subif)#encapsulation dot1q 60
RTR-FL2(config-subif)#ip address 192.168.3.1 255.255.255.0
RTR-FL2(config-subif)#ip helper-address 192.168.2.10
RTR-FL2(config-subif)#exit
RTR-FL2(config)#router ospf 1
RTR-FL2(config-router)#network 192.168.0.0 0.0.255.255 area 0
RTR-FL2(config-router)#network 10.10.10.0 0.0.0.3 area 0
RTR-FL2(config-router)#network 10.10.10.4 0.0.0.3 area 0
RTR-FL2(config-router)#do write

```

FLOOR 2 SWITCH CONFIGURATIONS

```

Swi2h(config)#hostname FL2-SW
FL2-SW(config)#enable secret project5
FL2-SW(config)#username noxy secret project5
FL2-SW(config)#banner motd #UNAUTHORIZED ACCESS IS STRICKLY PROHIBITED#
FL2-SW(config)#line con 0
FL2-SW(config-line)#login local
FL2-SW(config-line)#logging synchronous
FL2-SW(config-line)#password project5
FL2-SW(config-line)#exec-timeout 30
FL2-SW(config-line)#exit
FL2-SW(config)#line vty 0 15
FL2-SW(config-line)#login local
FL2-SW(config-line)#logging synchronous
FL2-SW(config-line)#exec-timeout 30
FL2-SW(config-line)#password project5
FL2-SW(config-line)#exit
FL2-SW(config)#vlan 60
FL2-SW(config-vlan)#name FINANCE
FL2-SW(config-vlan)#vlan 50
FL2-SW(config-vlan)#name HR
FL2-SW(config-vlan)#vlan 40
FL2-SW(config-vlan)#name MARKETING
FL2-SW(config-vlan)#int range fa0/1-10
FL2-SW(config-if-range)#switchport mode access
FL2-SW(config-if-range)#switchport access vlan 50
FL2-SW(config-if-range)#switchport port-security
FL2-SW(config-if-range)#switchport port-security maximum 2
FL2-SW(config-if-range)#switchport port-security violation shutdown
FL2-SW(config-if-range)#switchport port-security mac-address sticky
FL2-SW(config-if-range)#exit
FL2-SW(config)#int range fa0/11-14
FL2-SW(config-if-range)#switchport mode access
FL2-SW(config-if-range)#switchport access vlan 60
FL2-SW(config-if-range)#switchport port-security

```

```
FL2-SW(config-if-range)#switchport port-security maximum 2
FL2-SW(config-if-range)#switchport port-security violation shutdown
FL2-SW(config-if-range)#switchport port-security mac-address sticky
FL2-SW(config-if-range)#exit
FL2-SW(config)#int range fa0/15-20
FL2-SW(config-if-range)#switchport mode access
FL2-SW(config-if-range)#switchport access vlan 40
FL2-SW(config-if-range)#switchport port-security
FL2-SW(config-if-range)#switchport port-security maximum 2
FL2-SW(config-if-range)#switchport port-security violation shutdown
FL2-SW(config-if-range)#switchport port-security mac-address sticky
FL2-SW(config-if-range)#exit
FL2-SW(config)#int g0/1
FL2-SW(config-if)#switchport mode trunk
FL2-SW(config-if)#do write
```