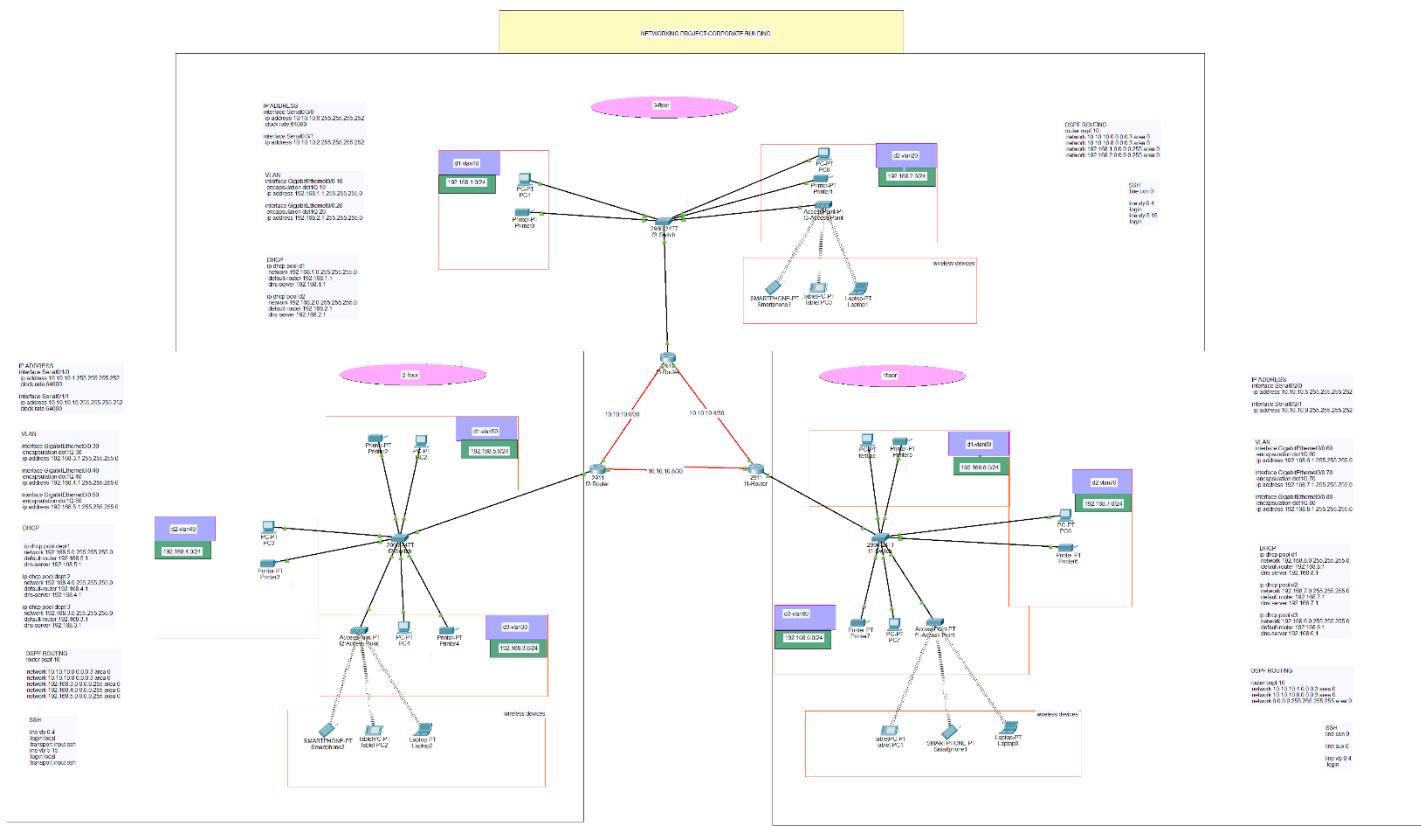


NETWORK PROJECT

CORPORATE BUILDING



TOPOLOGY:

FLOOR 1:

Dept1-vlan80

192.168.8.0/24

Dept2-vlan70

192.168.7.0/24

Dept3-vlan60

192.168.6.0/24

FLOOR 2:

Dept1-vlan50

192.168.5.0/24

Dept2-vlan40

Dept3-vlan30

192.168.3.0/24

FLOOR 3:

Dept1-vlan20

192.168.2.0/24

Dept2-vlan10

192.168.1.0/24

ROUTERS:

F1-F2:

10.10.10.8/30

F2-F3:

10.10.10.0/30

F1-F3:

10.10.10.4/30

IP ADDRESSING:

FLOOR 1:

interface Serial0/2/0

ip address 10.10.10.5 255.255.255.252

interface Serial0/2/1

ip address 10.10.10.9 255.255.255.252

FLOOR 2:

interface Serial0/1/0

ip address 10.10.10.1 255.255.255.252

clock rate 64000

interface Serial0/1/1

ip address 10.10.10.10 255.255.255.252

clock rate 64000

FLOOR 3:

```
interface Serial0/3/0
ip address 10.10.10.6 255.255.255.252
clock rate 64000
```

```
interface Serial0/3/1
ip address 10.10.10.2 255.255.255.252
```

VLAN:

FLOOR 1:

```
interface GigabitEthernet0/0.60
encapsulation dot1Q 60
ip address 192.168.6.1 255.255.255.0
```

```
interface GigabitEthernet0/0.70
encapsulation dot1Q 70
ip address 192.168.7.1 255.255.255.0
```

```
interface GigabitEthernet0/0.80
encapsulation dot1Q 80
ip address 192.168.8.1 255.255.255.0
```

FLOOR 2:

```
interface GigabitEthernet0/0.30
encapsulation dot1Q 30
ip address 192.168.3.1 255.255.255.0
```

```
interface GigabitEthernet0/0.40
encapsulation dot1Q 40
ip address 192.168.4.1 255.255.255.0
```

```
interface GigabitEthernet0/0.50
encapsulation dot1Q 50
ip address 192.168.5.1 255.255.255.0
```

FLOOR 3:

```
interface GigabitEthernet0/0.10
encapsulation dot1Q 10
ip address 192.168.1.1 255.255.255.0
```

```
interface GigabitEthernet0/0.20
encapsulation dot1Q 20
ip address 192.168.2.1 255.255.255.0
```

ROUTING-OSPF:

FLOOR 1:

```
router ospf 10
network 10.10.10.4 0.0.0.3 area 0
network 10.10.10.8 0.0.0.3 area 0
network 0.0.0.0 255.255.255.255 area 0
```

FLOOR 2:

```
router ospf 10
network 10.10.10.0 0.0.0.3 area 0
network 10.10.10.8 0.0.0.3 area 0
network 192.168.3.0 0.0.0.255 area 0
network 192.168.4.0 0.0.0.255 area 0
network 192.168.5.0 0.0.0.255 area 0
```

FLOOR 3:

```
router ospf 10
network 10.10.10.0 0.0.0.3 area 0
network 10.10.10.8 0.0.0.3 area 0
network 192.168.1.0 0.0.0.255 area 0
network 192.168.2.0 0.0.0.255 area 0
```

IP SERVICE-DHCP:

FLOOR 1:

```
ip dhcp pool d1
network 192.168.8.0 255.255.255.0
default-router 192.168.8.1
dns-server 192.168.8.1
```

```
ip dhcp pool d2
network 192.168.7.0 255.255.255.0
default-router 192.168.7.1
dns-server 192.168.7.1
```

```
ip dhcp pool d3
network 192.168.6.0 255.255.255.0
default-router 192.168.6.1
dns-server 192.168.6.1
```

FLOOR 2:

```
ip dhcp pool dept1
network 192.168.5.0 255.255.255.0
default-router 192.168.5.1
dns-server 192.168.5.1
```

```
ip dhcp pool dept 2
network 192.168.4.0 255.255.255.0
default-router 192.168.4.1
dns-server 192.168.4.1
```

```
ip dhcp pool dept 3
network 192.168.3.0 255.255.255.0
default-router 192.168.3.1
dns-server 192.168.3.1
```

FLOOR 3:

```
ip dhcp pool d1
network 192.168.1.0 255.255.255.0
default-router 192.168.1.1
dns-server 192.168.1.1
```

```
ip dhcp pool d2
network 192.168.2.0 255.255.255.0
default-router 192.168.2.1
dns-server 192.168.2.1
```

SECURITY-SSH:

FLOOR 1:

```
line con 0
line aux 0
line vty 0 4
login
```

FLOOR 2:

```
line vty 0 4
login local
transport input ssh
line vty 5 15
login local
transport input ssh
```

FLOOR 3:

```
line con 0
line vty 0 4
login
line vty 5 15
login
```