Floor 1 / AM / 65 IPs

Subnet mask : 255.255.255.128 / 25

This network Will give me 128 IPs.

From 192.168.40.0 To 192.168.40.127 (- 2) Net.Id : 192.168.40.0

B.ID : 192.168.40.127

Floor 2 / IT / 10 IPs

Subnet mask : 255.255.255.240 / 28

This network Will give me 16 IPs.

From 192.168.40.128 To 192.168.40.143 (- 2) Net.Id : 192.168.40.128

B.ID : 192.168.40.143

Floor 3 / HR / 5 IPs

Subnet mask : 255.255.255.248 / 29

This network Will give me 8 IPs.

From 192.168.40.144 To 192.168.40.151 (- 2) Net.Id : 192.168.40.144

B.ID : 192.168.40.151

Floor 4 / Admin / 2 IPs

Subnet mask : 255.255.255.252 / 30

This network Will give me 4 IPs.

From 192.168.40.152 To 192.168.40.155 (- 2) Net.Id : 192.168.40.152

B.ID : 192.168.40.155

**IP Addressing**

**The Network Between SWs : 192.168.40.0**

**1st Floor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Departament | Network Adress | Subnet Mask | Host Address Rang | Broadcast Address |
| Account Managment | 192.168.40.0 | 255.255.255.128 / 25 | From 192.168.40.1 To 192.168.40.126 | 192.168.40.127 |

**2nd Floor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Departament | Network Adress | Subnet Mask | Host Address Rang | Broadcast Address |
| IT | 192.168.40.128 | 255.255.255.240 / 28 | From 192.168.40.129 To 192.168.40.142 | 192.168.40.143 |

**3rd Floor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Departament | Network Adress | Subnet Mask | Host Address Rang | Broadcast Address |
| HR | 192.168.40.144 | 255.255.255.248 / 29 | From 192.168.40.145 To 192.168.40.150 | 192.168.40.151 |

**4th Floor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Departament | Network Adress | Subnet Mask | Host Address Rang | Broadcast Address |
| Admin | 192.168.40.152 | 255.255.255.252 / 30 | From 192.168.40.153 To 192.168.40.154 | 192.168.40.155 |

**The network between the Main router and Server : 172.16.1.0/30**