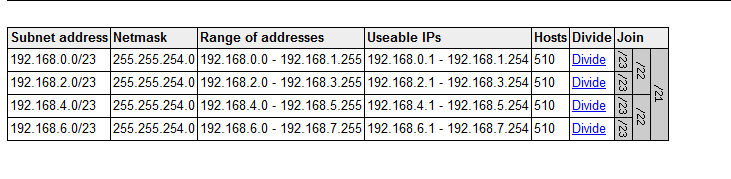
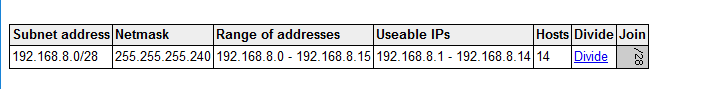
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | New Network addreess |  | First avail ip ADDRESS |
| VLAN 10 | Users | 192.168.0.0 | 255.255.254.0 | 192.168.0.1 |
| VLAN 20 | Finance | 192.168.2.0 | 255.255.254.0 | 192.168.2.1 |
| VLAN 30 | Sales | 192.168.4.0 | 255.255.254.0 | 192.168.4.1 |
| VLAN 40 | Corp | 192.168.6.0 | 255.255.254.0 | 192.168.6.1 |
| VLAN 99  (default gateway) | Management | 192.168.8.0 | 255.255.240.0 | 192.168.8.1 |
|  |  |  |  |  |
|  |  |  |  |  |





**Vlan 99** 255.255.240.0

|  |  |  |  |
| --- | --- | --- | --- |
| Dist\_Switch\_1 | 192.168.8.2 | .240 /28 |  |
| Dist\_Switch\_2 | 192.168.8.3 | .240 /28 |  |
| Acc\_Switch\_1 | 192.168.8.4 | .240 /28 |  |
| Acc\_Switch\_2 | 192.168.8.5 | .240 /28 |  |
| Acc\_Switch\_3 | 192.168.8.6 | .240 /28 |  |
|  |  |  |  |

**End devices**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Vlan + IP | Subnet | Gateway |
| PC\_Sales | Vlan 10 192.168.0.2 | 255.255.254.0 | 192.168.8.0 |
| HO\_User | Vlan 20 192.168.2.2 | 255.255.254.0 | 192.168.8.0 |
| PC\_Corp | Vlan 30 192.168.4.2 | 255.255.254.0 | 192.168.8.0 |
| PC\_Finance | Vlan 40 192.168.6.2 | 255.255.254.0 | 192.168.8.0 |
|  |  |  |  |

**Dist\_Switch\_1**

|  |  |  |  |
| --- | --- | --- | --- |
| Fa0/1 | Connection to Acc\_Switch\_1 | 10,20,30,40,99 |  |
| Fa0/2 | Connection to Acc\_Switch\_1 | 10,20,30,40,99 |  |
| Fa0/3 | to Acc\_Switch\_2 | 10,20,30,40,99 |  |
| Fa0/4 | to Acc\_Switch\_2 | 10,20,30,40,99 |  |
| Fa0/5 | to Acc\_Switch\_3 | 10,20,30,40,99 |  |
| Fa0/7 | to Acc\_Switch\_3 | 10,20,30,40,99 |  |
| Fa0/8 | to Acc\_Switch\_3 | 10,20,30,40,99 |  |
| Fa0/9 | To Dist\_Switch\_2 | 10,20,30,40,99 |  |
| G0/1 | description Connection to Head Office Router 1 | 10,20,30,40,99 |  |

**Dist\_Switch\_2**

|  |  |  |  |
| --- | --- | --- | --- |
| Fa0/1 | Connection to Acc\_Switch\_2 | 10,20,30,40,99 |  |
| Fa0/2 | Connection to Acc\_Switch\_2 | 10,20,30,40,99 |  |
| Fa0/3 | to Acc\_Switch\_1 | 10,20,30,40,99 |  |
| Fa0/4 | to Acc\_Switch\_1 | 10,20,30,40,99 |  |
| Fa0/5 | to Acc\_Switch\_3 | 10,20,30,40,99 |  |
| Fa0/7 | To Dist\_Switch\_2 | 10,20,30,40,99 |  |
| Fa0/8 | to Acc\_Switch\_3 | 10,20,30,40,99 |  |
| Fa0/9 | To Dist\_Switch\_2 | 10,20,30,40,99 |  |
| G0/1 | description Connection to Head Office Router 2 | 10,20,30,40,99 |  |