|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Network addreess |  |  |
| VLAN 10 | Users | 172.168.0.10 | 255.255.254.0 | Hopst |
| VLAN 20 | Finance | 172.168.0.20 | 255.255.254.0 |  |
| VLAN 30 | Sales | 172.168.0.30 | 255.255.254.0 |  |
| VLAN 40 | Corp | 172.168.0.40 | 255.255.254.0 |  |
| VLAN 99  (default gateway) | Management | 172.168.0.50 | 255.255.240.0 |  |
|  |  |  |  |  |
|  |  |  |  |  |

For network address 127.168.0.0



**Vlan 99** 255.255.240.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dist\_Switch\_1 | 172.168.1.1 |  |  |  |
| Dist\_Switch\_2 | 172.168.1.2 |  |  |  |
| Acc\_Switch\_1 | 172.168.1.3 | 172.168.0.50 |  |  |
| Acc\_Switch\_2 | 172.168.1.4 |  |  |  |
| Acc\_Switch\_3 | 172.168.1.5 |  |  |  |
|  |  |  |  |  |

**End devices**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Vlan + IP | Subnet | Gateway |
| PC\_Sales | Vlan 10 172.168.0.11 | 255.255.254.0 | 172.168.0.50 |
| HO\_User | Vlan 20 172.168.0.21 | 255.255.254.0 | 172.168.0.50 |
| PC\_Corp | Vlan 30 172.168.0.31 | 255.255.254.0 | 172.168.0.50 |
| PC\_Finance | Vlan 40 172.168.0.41 | 255.255.254.0 | 172.168.0.50 |
|  |  |  |  |

**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 |  |