IP Address table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Network | IP | Device | /num | subnet | Default Gateway |
| **One** | **192.168.100.1** | **GE 0/0 Router 1** | **26** | **255.255.255.192** |  |
| One | 192.168.100.2 | Switch VLAN | 26 | 255.255.255.192 |  |
| One | 192.168.100.3 | PC1 | 26 | 255.255.255.192 | 192.168.100.1 |
| One | 192.168.100.4 | SBC1 | 26 | 255.255.255.192 |  |
| **Two** | **192.168.100.65** | **GE 0/0 Router 2** | **27** | **255.255.255.224** |  |
| Two | 192.168.100.66 | Switch VLAN | 27 | 255.255.255.224 |  |
| Two | 192.168.100.67 | PC2 | 27 | 255.255.255.224 | 192.168.100.65 |
| Two | 192.168.100.68 | SBC2 | 27 | 255.255.255.224 |  |
| **Three** | **192.168.100.97** | **GE 0/0 Router 3** | **28** | **255.255.255.240** |  |
| Three | 192.168.100.98 | Switch VLAN | 28 | 255.255.255.240 |  |
| Three | 192.168.100.99 | PC3 | 28 | 255.255.255.240 | 192.168.100.97 |
| Three | 192.168.100.100 | SBC3 | 28 | 255.255.255.240 |  |
| **Four** | **192.168.100.113** | **GE 0/0 Router 4** | **29** | **255.255.255.248** |  |
| Four | 192.168.100.114 | Switch VLAN | 29 | 255.255.255.248 |  |
| Four | 192.168.100.115 | PC4 | 29 | 255.255.255.248 | 192.168.100.113 |
| Four | 192.168.100.116 | SBC4 | 29 | 255.255.255.248 |  |
| *Five* | *192.168.100.121* | *GE 0/1 Router 1* | *29* | *255.255.255.248* |  |
| *Five* | *192.168.100.122* | *GE 0/1 Router 2* | *29* | *255.255.255.248* |  |
| *Five* | *192.168.100.123* | *GE 0/1 Router 3* | *29* | *255.255.255.248* |  |
| *Five* | *192.168.100.124* | *GE 0/1 Router 4* | *29* | *255.255.255.248* |  |

IP Routes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Start Network | End Network | Dest IP | Dest Subnet | Next Hop |
| **One** | **Two** | **192.168.100.65** | **255.255.255.224** | **192.168.100.122** |
| One | Three | 192.168.100.97 | 255.255.255.240 | 192.168.100.123 |
| One | Four | 192.168.100.113 | 255.255.255.248 | 192.168.100.124 |
| **Two** | **One** | **192.168.100.1** | **255.255.255.192** | **192.168.100.121** |
| Two | Three | 192.168.100.97 | 255.255.255.240 | 192.168.100.123 |
| Two | Four | 192.168.100.113 | 255.255.255.248 | 192.168.100.124 |
| **Three** | **One** | **192.168.100.1** | **255.255.255.192** | **192.168.100.121** |
| Three | Two | 192.168.100.65 | 255.255.255.224 | 192.168.100.122 |
| Three | Four | 192.168.100.113 | 255.255.255.248 | 192.168.100.124 |
| **Four** | **One** | **192.168.100.1** | **255.255.255.192** | **192.168.100.121** |
| Four | Two | 192.168.100.65 | 255.255.255.224 | 192.168.100.122 |
| Four | Three | 192.168.100.97 | 255.255.255.240 | 192.168.100.123 |

Packet starts at **START NETWORK** and wants to get into **END** **NETWORK**