| Network | Name | No. Hosts | Subnet ID | First Host | Last Host | Broadcast IP | CIDR | Mask | wildcard |
|---|---|---|---|---|---|---|---|---|---|
| VLAN 10 | ADMINISTRATION | 254 | 10.10.0.0 | 10.10.0.1 | 10.10.0.254 | 10.10.0.255 | /24 | 255.255.255.0 | 0.0.0.255 |
| VLAN 20 | STUDENT | 254 | 10.20.0.0 | 10.20.0.1 | 10.20.0.254 | 10.20.0.255 | /24 | 255.255.255.0 | 0.0.0.255 |
| VLAN 30 | SALES | 254 | 10.30.0.0 | 10.30.0.1 | 10.30.0.254 | 10.30.0.255 | /24 | 255.255.255.0 | 0.0.0.255 |
| | | | | | | | | | |
| R1 - ISP | - | 2 | 140.69.212.0 | 140.69.212.1 | 140.69.212.2 | 140.69.212.3 | /30 | 255.255.255.252 | 0.0.0.3 |
| R2 - ISP | - | 2 | 64.27.3.0 | 64.27.3.1 | 64.27.3.2 | 64.27.3.3 | /30 | 255.255.255.252 | 0.0.0.3 |
| R1 - R3 | - | 2 | 10.200.0.0 | 10.200.0.1 | 10.200.0.2 | 10.200.0.3 | /30 | 255.255.255.252 | 0.0.0.3 |
| ISP - R4 | - | 2 | 10.105.0.0 | 10.105.0.1 | 10.105.0.2 | 10.105.0.3 | /30 | 255.255.255.252 | 0.0.0.3 |
| | | | | | | | | | |
| R3 | - | 254 | 10.102.0.0 | 10.102.0.1 | 10.102.0.254 | 10.102.0.255 | /24 | 255.255.255.0 | 0.0.0.255 |
| R4 | - | 254 | 10.101.0.0 | 10.101.0.1 | 10.101.0.254 | 10.101.0.255 | /24 | 255.255.255.0 | 0.0.0.255 |
| RISP | - | 2 | 200.0.0.0 | 200.0.0.1 | 200.0.0.2 | 200.0.0.3 | /30 | 255.255.255.252 | 0.0.0.3 |