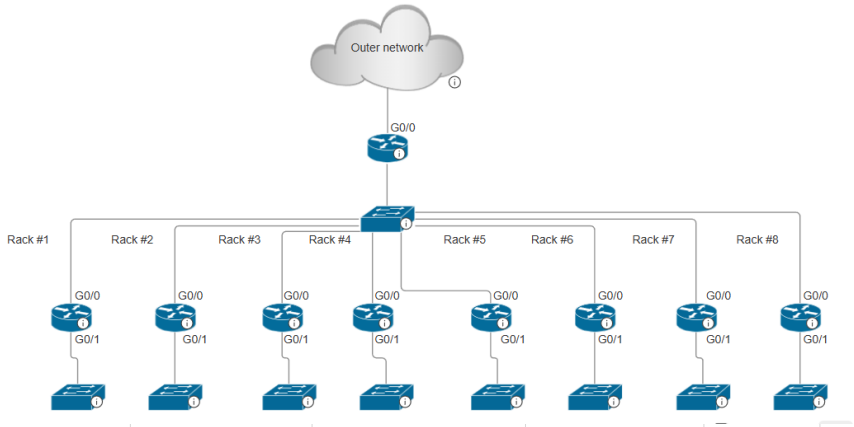
| Static addresses: | Address | Hosts - DHCP addressing |
|---|---|---|
| Router | Last address in the address pool | |
| Switch VLAN | Second last address in the pool | |




| Location | Subnet # | Subnet range | Subnet default gateway | Subnet mask |
|---|---|---|---|---|
| Server Room | 0 | 192.168.0.1 - 192.168.0.126 | 192.168.0.126 | 255.255.255.128 |
| Rack #1 | 1 | 192.168.0.129 - 192.168.0.254 | 192.168.0.254 | 255.255.255.128 |
| Rack #2 | 2 | 192.168.1.1 - 192.168.1.126 | 192.168.1.126 | 255.255.255.128 |
| Rack #3 | 3 | 192.168.1.129 - 192.168.1.254 | 192.168.1.254 | 255.255.255.128 |
| Rack #4 | 4 | 192.168.2.1 - 192.168.2.126 | 192.168.2.126 | 255.255.255.128 |
| Rack #5 | 5 | 192.168.2.129 - 192.168.254 | 192.168.2.254 | 255.255.255.128 |
| Rack #6 | 6 | 192.168.3.1 - 192.168.3.126 | 192.168.3.126 | 255.255.255.128 |
| Rack #7 | 7 | 192.168.3.129 - 192.168.3.254 | 192.168.3.254 | 255.255.255.128 |
| Rack #8 | 8 | 192.168.4.1 - 192.168.4.126 | 192.168.4.126 | 255.255.255.128 |

| Name | Interface name | Hostname | IP address | Subnet Mask | Default Gateway |
|---|---|---|---|---|---|
| Server room router to outer network | G0/0 | ServerRoom-Router | 10.253.173.201 | 255.255.255.0 | 10.253.173.1 |
| Server room router to master switch | G0/1 | ServerRoom-Router | 192.168.0.126 | 255.255.255.128 | 10.253.173.201 |
| Server room master switch VLAN | VLAN1 | ServerRoom-Switch | 192.168.0.125 | 255.255.255.128 | N/A |
| Rack #1 Router (to server room) | G0/0 | Rack1-Router1 | 192.168.0.1 | 255.255.255.128 | |
| Rack #1 Router (to rack switch) | G0/1 | Rack1-Router1 | 192.168.0.254 | 255.255.255.128 | 192.168.0.126 |
| Rack #1 VLAN | VLAN1 | Rack1-Switch1 | 192.168.0.253 | 255.255.255.128 | N/A |
| Rack #2 Router (to server room) | G0/0 | Rack2-Router1 | 192.168.0.2 | 255.255.255.128 | |
| Rack #2 Router (to rack switch) | G0/1 | Rack2-Router1 | 192.168.1.126 | 255.255.255.128 | 192.168.0.126 |
| Rack #2 VLAN | VLAN1 | Rack2-Switch1 | 192.168.1.125 | 255.255.255.128 | N/A |
| Rack #3 Router (to server room) | G0/0 | Rack3-Router1 | 192.168.0.3 | 255.255.255.128 | |
| Rack #3 Router (to rack switch) | G0/1 | Rack3-Router1 | 192.168.1.254 | 255.255.255.128 | 192.168.0.126 |
| Rack #3 VLAN | VLAN1 | Rack3-Switch1 | 192.168.1.253 | 255.255.255.128 | N/A |
| Rack #4 Router (to server room) | G0/0 | Rack4-Router1 | 192.168.0.4 | 255.255.255.128 | |
| Rack #4 Router | G0/1 | Rack4-Router1 | 192.168.2.126 | 255.255.255.128 | 192.168.0.126 |
| Rack #4 VLAN | VLAN1 | Rack4-Switch1 | 192.168.2.125 | 255.255.255.128 | N/A |
| Rack #5 Router (to server room) | G0/0 | Rack5-Router1 | 192.168.0.5 | 255.255.255.128 | |
| Rack #5 Router | G0/1 | Rack5-Router1 | 192.168.2.254 | 255.255.255.128 | 192.168.0.126 |
| Rack #5 VLAN | VLAN1 | Rack5-Switch1 | 192.168.2.253 | 255.255.255.128 | N/A |
| Rack #6 Router | G0/0 | | 192.168.0.6 | 255.255.255.128 | |
| Rack #6 Router | G0/1 | Rack6-Router1 | 192.168.3.126 | 255.255.255.128 | 192.168.0.126 |
| Rack #6 VLAN | VLAN1 | Rack6-Switch1 | 192.168.3.125 | 255.255.255.128 | N/A |
| Rack 7 Router | G0/0 | | 192.168.0.7 | 255.255.255.128 | |
| Rack #7 Router | G0/1 | Rack7-Router1 | 192.168.3.254 | 255.255.255.128 | 192.168.0.126 |
| Rack #7 VLAN | VLAN1 | Rack7-Switch1 | 192.168.3.253 | 255.255.255.128 | N/A |
| Rack #8 Router | G0/0 | | 192.168.0.8 | 255.255.255.128 | |
| Rack #8 Router | G0/1 | Rack8-Router1 | 192.168.4.126 | 255.255.255.128 | 192.168.0.126 |
| Rack #8 VLAN | VLAN1 | Rack8-Switch1 | 192.168.4.125 | 255.255.255.128 | N/A |