Analisa

Network address 192.168.0.0/24 termasuk kelas C

Subnet mask : 255.255.255.0

11111111.11111111.11111111.000000

Subnet yang dibutuhkan: 20 = 0

Jumlah host per subnet 28 – 2 = 256-2 = 254

Blok subnet 256-0 = 256 (0)

Subnet yang terbentuk

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Perangkat** | **Interface** | **IP Address** | **Subnet Mask** | **Default Gateway** |
| CustomerRouter | G0/0 | 192.168.0.1 | 255.255.255.0 | N/A |
| G0/1 | 192.168.0.254 | 255.255.255.0 |  |
| S0/1/0 | 209.165.201.2 | 255.255.255.252 |  |
| LAN-A Switch | VLAN1 | 192.168.0.2 | 255.255.255.0 | 192.168.0.1 |
| LAN-B Switch | VLAN1 | 192.168.0.253 | 255.255.255.0 | 192.168.0.254 |
| PC-A | NIC | 192.168.0.3 | 255.255.255.0 | 192.168.0.1 |
| PC-B | NIC | 192.168.0.252 | 255.255.255.0 | 192.168.0.254 |
| ISPRouter | G0/0 | 209.165.200.225 | 255.255.255.224 | N/A |
| S0/1/0 | 209.165.201.1 | 255.255.255.252 |  |
| ISPSwitch | VLAN1 | 209.165.200.226 | 255.255.255.224 | 209.165.200.225 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ISP Workstation | NIC | 209.165.200.235 | 255.255.255.224 | 209.165.200.225 |
| ISP Server | NIC | 209.165.200.240 | 255.255.255.224 | 209.165.200.225 |