# IP Addressing for Advanced Company Network

## Advanced Company Network

Category: Network & Subnet

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| --- | --- | --- | --- | --- |
| Category | Network & Subnet Mask | Valid Host Addresses | Default Gateway | Broadcast Address |
| Management | 192.168.10.0/24 | 192.168.10.1 to 192.168.10.254 | 192.168.10.1 | 192.168.10.255 |
| WLAN | 10.20.0.0/16 | 10.20.0.1 to 10.20.255.254 | 10.20.0.1 | 10.20.255.254 |
| LAN | 172.16.0.0/16 | 172.16.0.1 to 172.16.255.254 | 172.16.0.1 | 172.16.255.254 |
| VOIP | 172.30.0.0/16 | 172.30.0.1 to 172.30.255.254 | 172.30.0.1 | 172.30.255.254 |
| DMZ | 10.11.11.0/27 | 10.11.11.1 to 10.11.11.30 | 10.11.11.1 | 10.11.11.31 |
| INSIDE SERVERS | 10.11.11.32/27 | 10.11.11.33 to 10.11.11.62 | 10.11.11.33 | 10.11.11.63 |

## Connections Between Cloud, ISP, Firewall, Routers, and Layer-3 Switch

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| --- | --- |
| Network | Network Address |
| CLOUD Area | 8.0.0.0/8 |
| ISP1 – Internet | 20.20.20.0/30 |
| ISP2 – Internet | 30.30.30.0/30 |
| ISP1 – FWL1 | 105.100.50.0/30 |
| ISP1 – FWL2 | 105.100.50.4/30 |
| ISP2 – FWL1 | 205.200.100.0/30 |
| ISP2 – FWL2 | 205.200.100.4/30 |
| FWL1 to-MLSW1 | 10.2.2.0/30 |
| FWL1 to-MLSW2 | 10.2.2.4/30 |
| FWL2 to-MLSW1 | 10.2.2.8/30 |
| FWL2 to-MLSW2 | 10.2.2.12/30 |