|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Broadcast Address** | **Host address Range** | **Default Gateway** | **Subnet Mask** | **Network & Subnet mask** | **VLAN Number** | **VLAN Name** | **Department** |
| 172.16.1.255 | 192.168.1.2 - 192.168.1.254 | 192.168.1.1 | 255.255.255.0 | 192.168.1.0/24 | 10 | Mgt-VLAN | Management |
| 192.168.2.255 | 192.168.2.2 - 192.168.2.254 | 192.168.2.1 | 255.255.255.0 | 192.168.2.0/24 | 20 | SM-VLAN | Sales & Marketing |
| 192.168.3.255 | 192.168.3.2 - 192.168.3.254 | 192.168.3.1 | 255.255.255.0 | 192.168.3.0/24 | 30 | CS-VLAN | Customer Service |

**IP Addressing for Enhanced Network Connectivity**

Explore the intricacies of "Money's" network enhancement as we delve into IP Addressing. This cornerstone aligns with the institution's commitment to innovative financial solutions. We meticulously ensure that each department thrives within its own Class C Network, boasting the potential to connect up to 254 hosts per VLAN. By establishing seamless connectivity and robust communication channels, this IP Addressing phase lays the foundation for our cutting-edge network design.

HQ - 14th Floor

13th Floor

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Broadcast Address** | **Host address Range** | **Default Gateway** | **Subnet Mask** | **Network & Subnet mask** | **VLAN Number** | **VLAN Name** | **Department** |
| 192.168.4.255 | 192.168.4.2 - 192.168.4.254 | 192.168.4.1 | 255.255.255.0 | 192.168.4.0/24 | 40 | HR-VLAN | Human Resources |
| 192.168.5.255 | 192.168.5.2 - 192.168.5.254 | 192.168.5.1 | 255.255.255.0 | 192.168.5.0/24 | 50 | LM-VLAN | Legal Management |
| 192.168.6.255 | 192.168.6.2 - 192.168.6.254 | 192.168.6.1 | 255.255.255.0 | 192.168.6.0/24 | 60 | Acc-VLAN | Accounts |

12th Floor

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Broadcast Address** | **Host address Range** | **Default Gateway** | **Subnet Mask** | **Network & Subnet mask** | **VLAN Number** | **VLAN Name** | **Department** |
| 192.168.7.255 | 192.168.7.2 - 192.168.7.254 | 192.168.7.1 | 255.255.255.0 | 192.168.7.0/24 | 70 | Tech-VLAN | Tech |
| 192.168.8.255 | 192.168.8.2 - 192.168.8.254 | 192.168.8.1 | 255.255.255.0 | 192.168.8.0/24 | 80 | IT-VLAN | IT |

11th Floor

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Broadcast Address** | **Host address Range** | **Default Gateway** | **Subnet Mask** | **Network & Subnet mask** | **VLAN Number** | **VLAN Name** | **Department** |
| 192.168.9.255 | 192.168.9.2 - 192.168.9.254 | 192.168.9.1 | 255.255.255.0 | 192.168.9.0/24 | 90 | TF-VLAN | Trading Floor |

Server-Side Site

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Broadcast Address** | **Host address Range** | **Default Gateway** | **Subnet Mask** | **Network & Subnet mask** | **Department** |
| 192.168.21.15 | 192.168.9.2-192.168.9.14 | 192.168.21.1 | 255.255.255.240 | 192.168.21.0/28 | Server-Side Site |

Routers to L3-Switch

|  |  |
| --- | --- |
| **Network & Subnet mask** | **Device Name** |
| 192.168.21.16/30 | TLV-HQ 🡪 L3-SW1 |
| 192.168.21.20/30 | TLV-HQ 🡪 L3-SW2 |

Routers to ISPs

|  |  |
| --- | --- |
| **Network & Subnet mask** | **Device Name** |
| 192.168.21.0/30 | TLV-HQ-Router 🡪 ISP1 |
| 192.168.21.4/30 | TLV-HQ-Router 🡪 ISP2 |
| 192.168.21.8/30 | Server-Side-Router 🡪 ISP1 |
| 192.168.21.12/30 | Server-Side-Router 🡪 ISP2 |