# **CTIS-262 Packet Tracer Project**

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## Company1 Addressing Table: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Device | Interface | IP Address | Subnet Mask | Default Gateway |
| Company1\_R1 | S0/1/1 | 200.1.1.2 | 255.255.255.252 | N/A |
| S0/0/0 | 195.1.1.2 | 255.255.255.252 | N/A |
| S0/0/1 | 195.1.1.4 | 255.255.255.252 | N/A |
| Company1\_R2 | S0/0/0 | 195.1.1.10 | 255.255.255.252 | N/A |
| S0/0/1 | 195.1.1.1 | 255.255.255.252 | N/A |
| Company1\_R3 | S0/0/0 | 195.1.1.9 | 255.255.255.252 | N/A |
| S0/0/1 | 195.1.1.6 | 255.255.255.252 | N/A |
| Gig0/1 | 195.1.3.254 | 255.255.255.0 | N/A |
| Gig0/2 | 195.1.4.254 | 255.255.255.0 | N/A |
| Company1\_PC1 | NIC | Dynamic | 255.255.255.0 | 195.1.4.254 |
| Company1\_PC2 | NIC | Dynamic | 255.255.255.0 | 195.1.3.254 |

# Company2 Addressing Table: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Device | Interface | IP Address | Subnet Mask | Default Gateway |
| Company2\_R1 | Gig0/0.20 | 192.168.20.254 | 255.255.255.0 | N/A |
| Gig0/0.30 | 192.168.30.254 | 255.255.255.0 | N/A |
| Gig0/0.40 | 192.168.40.254 | 255.255.255.0 | N/A |
| Gig0/0.50 | 192.168.50.254 | 255.255.255.0 | N/A |
| Gig0/0.60 | 192.168.60.254 | 255.255.255.0 | N/A |
| S0/0/0 | 200.1.1.4 | 255.255.255.252 | N/A |
| Company2\_SW1 | VLAN 50 | 192.168.50.100 | 255.255.255.0 | 192.168.50.254 |
| Company2\_SW2 | VLAN 50 | 192.168.50.101 | 255.255.255.0 | 192.168.50.254 |
| Company2\_SW3 | VLAN 50 | 192.168.50.102 | 255.255.255.0 | 192.168.50.254 |
| Company2\_SW4 | VLAN 50 | 192.168.50.103 | 255.255.255.0 | 192.168.50.254 |
| Company2\_SW5 | VLAN 50 | 192.168.50.104 | 255.255.255.0 | 192.168.50.254 |
| Company2\_PC1 | NIC | 205.1.60.1 | 255.255.255.0 | 192.168.60.254 |
| Company2\_PC2 | NIC | 192.168.40.1 | 255.255.255.0 | 192.168.40.254 |
| Company2\_PC3 | NIC | 192.168.20.1 | 255.255.255.0 | 192.168.20.254 |
| Company2\_PC4 | NIC | 192.168.40.2 | 255.255.255.0 | 192.168.40.254 |
| Company2\_PC5 | NIC | 192.168.30.1 | 255.255.255.0 | 192.168.30.254 |
| Company2\_PC6 | NIC | 192.168.50.1 | 255.255.255.0 | 192.168.50.254 |
| Company2\_PC7 | NIC | 192.168.30.2 | 255.255.255.0 | 192.168.30.254 |
| Company2\_PC8 | NIC | 192.168.20.2 | 255.255.255.0 | 192.168.20.254 |
| Company2\_PC9 | NIC | 192.168.50.2 | 255.255.255.0 | 192.168.50.254 |

# VLAN and Port Assignments Table: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VLAN | Name | IP Address | Subnet Mask | Interface |
| 20 | Accounts | 192.168.20.0 | 255.255.255.0 | SW2-Fa0/2, SW5-Fa0/1 |
| 30 | HR | 192.168.30.0 | 255.255.255.0 | SW3-Fa0/1, SW4-Fa0/2 |
| 40 | IT | 192.168.40.0 | 255.255.255.0 | SW2-Fa0/3, SW3-Fa0/3 |
| 50 | Management | 192.168.50.0 | 255.255.255.0 | SW4-Fa0/1, SW5-Fa0/2 |
| 60 | Public | 205.1.60.0 | 255.255.255.0 | SW1-Fa0/4 |
| 99 | Native | N/A | N/A | Gig0/1 |

|  |  |
| --- | --- |
| SSH Information | |
| Username | syed |
| Password | zaidi |

# Company3 Addressing Table: -

|  |  |  |  |
| --- | --- | --- | --- |
| Device | Interface | IP Address | Default Gateway |
| Company3\_R1 | S0/0/0 | 3000:3::1/64 | N/A |
| S0/0/1 | 3000:1::2/64 | N/A |
| S0/1/1 | 3000:2::2/64 | N/A |
| Gig0/1 | 2000:3::A/64 | N/A |
| Company3\_R2 | S0/0/1 | 3000:1::1/64 | N/A |
| Gig0/1 | 2000:1::A/64 | N/A |
| Company3\_R3 | S0/1/1 | 3000:2::1/64 | N/A |
| Gig0/1 | 2000:2::A/64 | N/A |
| Company3\_PC1 | NIC | 2000:1::1/64 | 2000:1::A |
| Company3\_PC2 | NIC | 2000:2::1/64 | 2000:2::A |

# ISP Addressing Table: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Device | Interface | IP Address | Subnet Mask | Default Gateway |
| ISP\_Router | S0/0/0 | 200.1.1.6 | 255.255.255.252 | N/A |
| S0/0/1 | 3000:3::2/64 | N/A | N/A |
| S0/1/0 | 200.1.1.1 | 255.255.255.252 | N/A |
| Gig0/0 | 195.168.20.254 | 255.255.255.0 | N/A |
| ISP\_Test\_PC | NIC | 195.168.20.1 | 255.255.255.0 | 196.168.20.254 |

# Important Disclaimer: -

Due to company 2 having private IPS, the network is not able to contact the ISP or other network PCs due to the ACL on the ISP router. Therefore, I made an additional VLAN 60 ( Public ) from which PC1 can contact the ISP and other networks.