**Addressing Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Device | Interface | IP Address | Subnet Mask | Default Gateway |
| R1 | G0/0 | 192.168.10.1 | 255.255.255.0 | N/A |
| G0/1 | 192.168.11.1 | 255.255.255.0 | N/A |
| S1 | VLAN 1 | 192.168.10.2 | 255.255.255.0 | 192.168.10.1 |
| S2 | VLAN 1 | 192.168.11.2 | 255.255.255.0 | 192.168.11.1 |
| PC1 | NIC | 192.168.10.10 | 255.255.255.0 | 192.168.10.1 |
| PC2 | NIC | 192.168.10.11 | 255.255.255.0 | 192.168.10.1 |
| PC3 | NIC | 192.168.11.10 | 255.255.255.0 | 192.168.11.1 |
| PC4 | NIC | 192.168.11.11 | 255.255.255.0 | 192.168.11.1 |

**Testing and Verification Documentation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test | Successful? | Issues | Solution | Verfied |
| PC1 to PC2 | Yes | PC1 incorrect IP | Correct PC1 IP | X |
| PC1 to S1 | Yes | PC1 incorrect IP | Correct PC1 IP | X |
| PC1 to R1 | Yes | PC1 incorrect IP | Correct PC1 IP | X |
| PC2 to S1 | Yes |  |  |  |
| PC2 to R1 | Yes |  |  |  |
| PC3 to PC4 | Yes |  |  |  |
| PC3 to S2 | Yes | S2 didn’t have IP | Set IP for S2 | X |
| PC3 to R1 | Yes |  |  |  |
| PC4 to S2 | Yes | S2 didn’t have IP | Set IP for S2 | X |
| PC4 to R1 | Yes |  |  |  |
| PC1 to PC3 | Yes |  |  |  |
| PC1 to PC4 | Yes | PC4 has wrong default gateway | correct default gateway for PC4 | X |
| PC1 to S2 | Yes |  |  |  |
| PC4 to S1 | Yes | S1 missed default gateway | Config default gateway for S1 | X |