**Addressing Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Device** | **Interface** | **IP Address** | **Subnet Mask** | **Default Gateway** |
| R1 | G0/0 | 192.168.10.1 | 255.255.255.0 | N/A |
| *R1* | 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** | **Verified** |
| **PC1 to PC2** | **No** | **IP address on PC1** | **Change PC1 IP address** | **yes** |
| PC1 to S1 | **No** | **IP address on PC1** | **Change PC1 IP address** | **yes** |
| PC1 to R1 | **No** | **IP address on PC1** | **Change PC1 IP address** | **yes** |
| PC3 to PC4 | **yes** | **nice** | **nice** | **yes** |
| ***Pc3 to s1*** | **Yes** | **nice** | **nice** | **yes** |