**CLEAR MAC!!!**

TSHOOT – Initial Configuration

**Device Links Table**

| Interface | To Device | Interface | Layer 1 and 2 Features and Protocols Used |
| --- | --- | --- | --- |
| ALS1 | | | |
| Fa1/1 | DLS1 | Fa1/1 | EtherChannel Po1, 802.1Q |
| Fa1/2 | DLS1 | Fa1/2 | EtherChannel Po1, |
| Fa1/3 | DLS2 | Fa1/1 | EtherChannel Po2, |
| Fa1/4 | DLS2 | Fa1/2 | EtherChannel Po2 |
| Fa1/15 | PC-B | NIC |  |
| DLS1 | | | |
| Fa1/1 | ALS1 | Fa1/1 | EtherChannel Po1 |
| Fa1/2 | ALS1 | Fa1/2 | EtherChannel Po1 |
| Fa1/3 | DLS2 | Fa1/3 | EtherChannel Po6 |
| Fa1/4 | DLS2 | Fa1/4 | EtherChannel Po6 |
| Fa1/5 | R1 | Fa0/1 |  |
| Fa1/6 | Server | Fa0/0 |  |
| DLS2 | | | |
| Fa1/1 | ALS1 | Fa1/3 | EtherChannel Po2 |
| Fa1/2 | ALS1 | Fa1/4 | EtherChannel Po2 |
| Fa1/3 | DLS1 | Fa1/3 | EtherChannel Po6 |
| Fa1/4 | DLS1 | Fa1/4 | EtherChannel Po6 |
| Fa1/5 | R3 | Fa0/1 |  |
| Fa1/15 | PC-A(C?) | NIC |  |
| R1 | | | |
| Fa0/1 | DLS1 | Fa1/5 |  |
| S0/0 | R2 | S0/0 |  |
| R2 | | | |
| S0/0 | R1 | S0/0 |  |
| S0/1 | R3 | S0/1 |  |
| R3 | | | |
| Fa0/1 | DLS2 | Fa1/5 |  |
| S0/1 | R2 | S0/1 |  |
|  |  |  |  |

**VLAN Definition Table**

|  |  |  |  |
| --- | --- | --- | --- |
| VLAN # | Name | Description | VLAN Members |
| 10 | OFFICE | Office VLAN | ALS1, DLS1, DLS2, PC-B |
| 20 | VOICE | VoIP VLAN | ALS1, DLS1, DLS2 |
| 30 | GUEST | Guest VLAN | ALS1, DLS1, DLS2, PC-A(C) |
| 50 | SERVERS | Server VLAN | DLS1, DLS2, Server |
| 100 | MGMT | Management VLAN | ALS1, DLS1, DLS2 |
| 900 | NATIVE | Native VLAN | ALS1, DLS1, DLS2 |
|  |  |  |  |

**Subnet Table**

| Description | Subnet | Prefix | Devices |
| --- | --- | --- | --- |
| **VLANs** |  |  |  |
| Office VLAN 10 | 10.1.10.0 | /24 | PC-B |
| Voice VLAN 20 | 10.1.20.0 | /24 | N/A |
| Guest VLAN 30 | 10.1.30.0 | /24 | PC-C |
| Servers VLAN 50 | 10.1.50.0 | /24 | SRV1 |
| Management VLAN | 10.1.100.0 | /24 | ALS1, DLS1, DLS2 |
| WAN Links |  |  |  |
| DLS1 – R1 | 10.1.2.0 | /30 | DLS1 and R1 FE link |
| DLS2 – R3 | 10.1.2.12 | /30 | DLS2 and R3 FE link |
| R1 – R2 | 10.1.1.0 | /30 | R1 and R2 serial link |
| R2 – R3 | 10.1.1.4 | /30 | R2 and R3 serial link |

**IP Address Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Device Name Abbreviation | Interface | Network Address and Prefix | Additional Information |
| ALS1 | Vlan 100 | 10.1.100.1/24 | SVI |
| DLS1 | Vlan 10 | 10.1.10.252/24 | SVI |
|  | Vlan 20 | 10.1.20.252/24 | SVI |
|  | Vlan 30 | 10.1.30.252/24 | SVI, DHCP Server |
|  | Vlan 50 | 10.1.50.252/24 | SVI |
|  | Vlan 100 | 10.1.100.252/24 | SVI |
|  | Fa1/5 | 10.1.2.1/30 | FE link to R1 |
| DLS2 | Vlan 10 | 10.1.10.253/24 | SVI |
|  | Vlan 20 | 10.1.20.253/24 | SVI |
|  | Vlan 30 | 10.1.30.253/24 | SVI |
|  | Vlan 50 | 10.1.50.253/24 | SVI |
|  | Vlan 100 | 10.1.100.253/24 | SVI |
|  | Fa1/5 | 10.1.2.13/30 | FE link to R3 |
| R1 | Fa0/0 | Unassigned | Administratively down |
|  | Fa0/1 | 10.1.2.2/30 | FE link to DLS1 |
|  | S0/0/0 | 10.1.1.1/30 | WAN link to R2 |
|  | S0/0/1 | Unassigned | Administratively down |
|  | Loopback 0 | 10.1.201.1/32 |  |
| R2 | Fa0/0 | Unassigned | Administratively down |
|  | Fa0/1 | Unassigned | Administratively down |
|  | S/0/0 | 10.1.1.2/30 | WAN link to R1 |
|  | S/0/1 | 10.1.1.6/30 | WAN link to R3 |
|  | Loopback 0 | 10.1.202.1/32 |  |
| R3 | Fa0/0 | Unassigned | Administratively down |
|  | Fa0/1 | 10.1.2.14/30 | FE link to DLS2 |
|  | S0/0 | Unassigned | Administratively down |
|  | S0/1 | 10.1.1.5/30 | WAN link to R2 |
|  | Loopback 0 | 10.1.203.1/32 |  |
| SRV1 | NIC | 10.1.50.1/24 | Def GW:10.1.50.254 |
| PC-B | NIC | 10.1.30.1/24 (DHCP) | Def GW:10.1.30.254 |
| PC-C(A) | NIC | 10.1.10.1/24 (DHCP) | Def GW:10.1.10.254 |

**DHCP Pools**

|  |  |
| --- | --- |
| Name | IP Address range |
| OFFICE | 10.1.10.1 – 10.1.10.254 |
| VOICE | 10.1.20.1 – 10.1.20.254 |
| GUEST | 10.1.30.1 – 10.1.30.254 |

**show spanning-tree summary**

**show interfaces trunk**

**show interfaces** *type/#* **switchport**

**show etherchannel summary**

**show ip route** *ip-addr*

**show standby vlan** *vlan#* **brief**

**show vlan-switch**