

# Static Routing and VLAN-Based Network

Addressing Table

Device	Interface	IP Address	Subnet Mask	Description
Router 1 (R1)	G0/0/0.10	192.168.10.1	255.255.255.0	HR Department
	G0/0/0.20	192.168.20.1	255.255.255.0	IT Department
	G0/0/0.100	192.168.100.1	255.255.255.248	Management VLAN
	S0/1/0	192.168.12.1	255.255.255.252	Link to R2
Router 2 (R2)	S0/1/1	192.168.12.2	255.255.255.252	Link to R1
	S0/2/0	192.168.23.2	255.255.255.252	Link to R3
	Loopback0	200.0.0.1	255.255.255.0	Loopback Interface
Router 3 (R3)	S0/2/0	192.168.23.1	255.255.255.252	Link to R2
	G0/0/0	192.168.30.1	255.255.255.0	Department Network
Switch 1 (S1)	VLAN 100 (Management)	192.168.100.2	255.255.255.248	Management VLAN
Switch 2 (S2)	VLAN 100 (Management)	192.168.100.3	255.255.255.248	Management VLAN
				Default Gateway
PC1	Ethernet	192.168.10.2	255.255.255.0	192.168.10.1
PC2	Ethernet	192.168.20.2	255.255.255.0	192.168.20.1
PC3	Ethernet	192.168.30.2	255.255.255.0	192.168.30.1

VLAN Table

Device	VLAN ID	Subnet	Description
HR	10	192.168.10.0/24	HR Department
IT	20	192.168.20.0/24	IT Department
Native	40	N/A	Native VLAN (Trunking)
SVI	100	192.168.100.0/29	Management VLAN