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

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