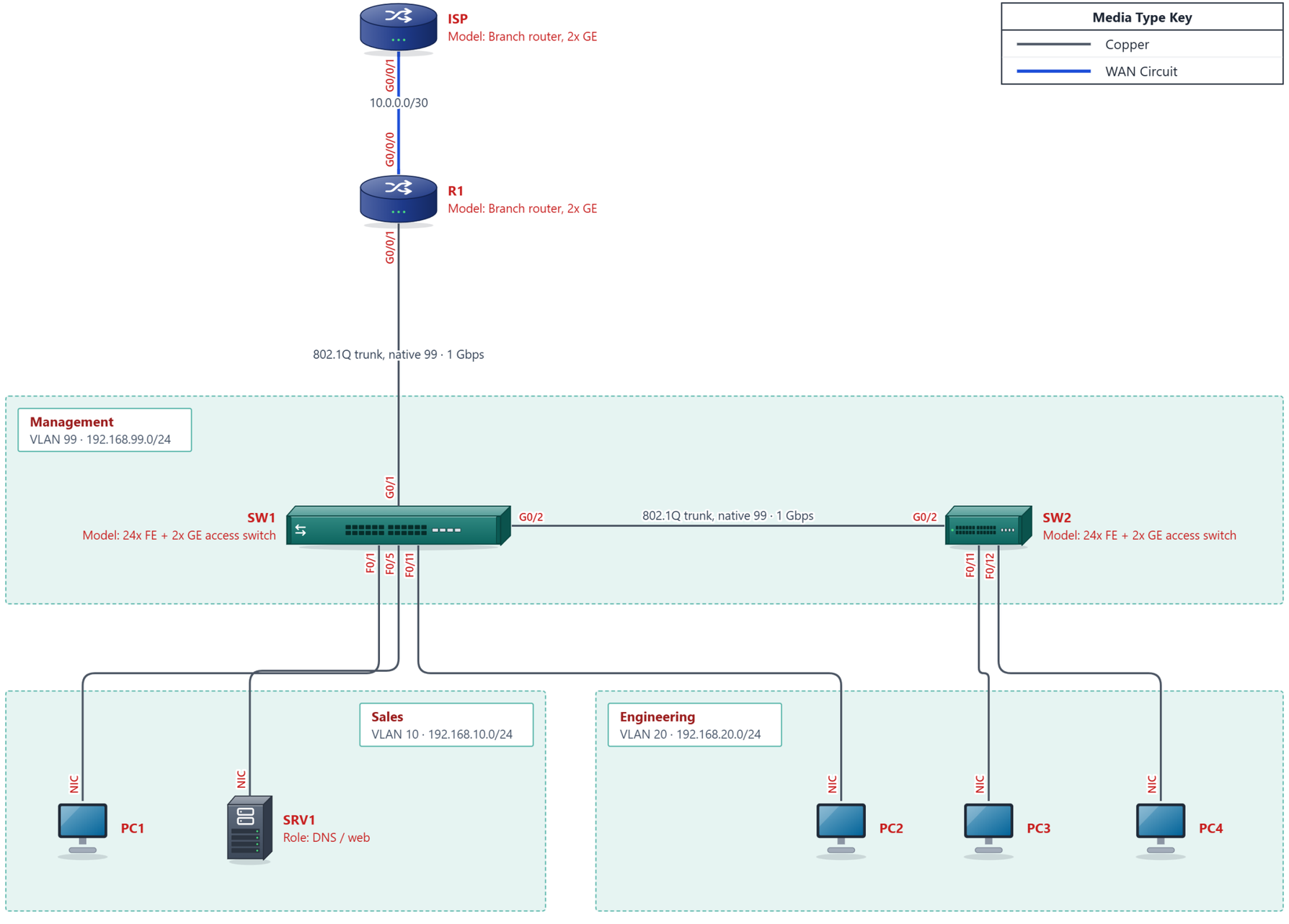


DOCUMENT **CCNA Lab - VLANs and Inter-VLAN Routing** Lab exercise	SHEET TITLE **Lab Topology**	VERSION 1.0	LAST CHANGED 2026-11-04	VERIFIED	SHEET 1 of 4
		DRAWN BY	LAST EDITOR	APPROVED	

Device Inventory 9 devices

Hostname	Type	Vendor / model	Serial	Mgmt IP	Area	Location	Page
ISP	Router	Branch router, 2x GE		10.0.0.1			Lab Topology
R1	Router	Branch router, 2x GE		10.0.0.2, 192.168.10.1, 192.168.20.1, 192.168.99.1			Lab Topology
SW1	Switch	24x FE + 2x GE access switch		192.168.99.11	Management		Lab Topology
SW2	Switch	24x FE + 2x GE access switch		192.168.99.12	Management		Lab Topology
PC1	Workstation			192.168.10.11	Sales		Lab Topology
SRV1	Server			192.168.10.10	Sales		Lab Topology
PC2	Workstation			192.168.20.11	Engineering		Lab Topology
PC3	Workstation			192.168.20.12	Engineering		Lab Topology
PC4	Workstation			192.168.20.13	Engineering		Lab Topology

Link / Cabling Schedule 8 links

Cable ID	End A	Interface	End B	Interface	Media	Speed	VLANs	Length	Test	Label / notes	Page
	ISP	G0/0/1	R1	G0/0/0	WAN Circuit					10.0.0.0/30	Lab Topology
	R1	G0/0/1	SW1	G0/1	Copper	1 Gbps	10,20,99			802.1Q trunk, native 99	Lab Topology
	SW1	G0/2	SW2	G0/2	Copper	1 Gbps	10,20,99			802.1Q trunk, native 99	Lab Topology
	SW1	F0/1	PC1	NIC	Copper		10				Lab Topology
	SW1	F0/5	SRV1	NIC	Copper		10				Lab Topology
	SW1	F0/11	PC2	NIC	Copper		20				Lab Topology
	SW2	F0/11	PC3	NIC	Copper		20				Lab Topology
	SW2	F0/12	PC4	NIC	Copper		20				Lab Topology

VLAN / Subnet Table 3 VLANs

VLAN	Name	Subnet	Gateway	DHCP scope / helper	Devices	Page
10	Sales	192.168.10.0/24	192.168.10.1	None (static)	2	Lab Topology
20	Engineering	192.168.20.0/24	192.168.20.1	None (static)	3	Lab Topology
99	Management	192.168.99.0/24	192.168.99.1	None (static)	2	Lab Topology