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Ted Samrall

meet tuesday

RI s more side - 6 documents (only commands) skeleton
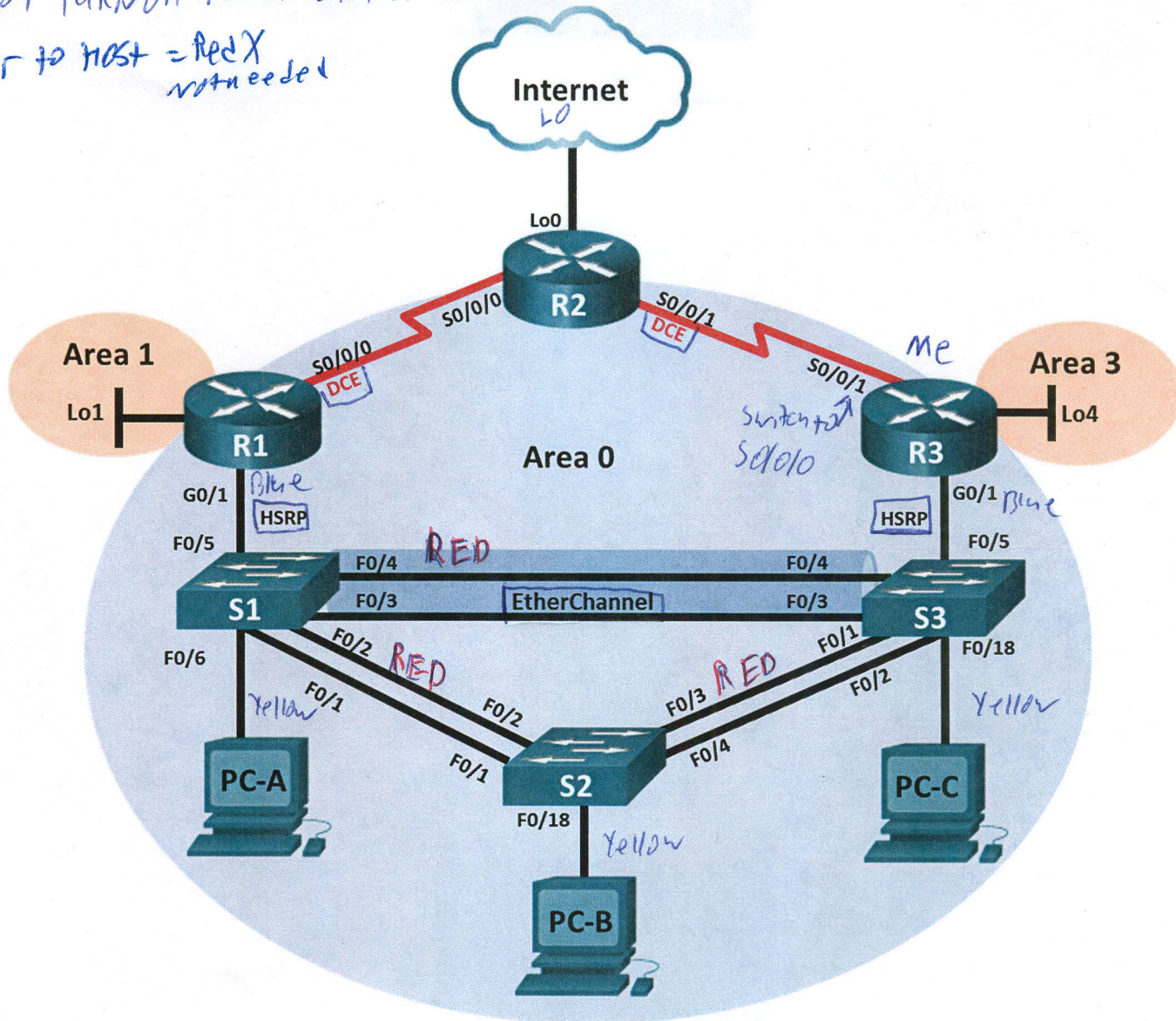
IP Addresses

#No vlan delete commands, out

CCNA: Scaling Networks

Skills Assessment (OSPF) – Student Training Exam

Topology

! Do not TURN ON TRunk Interface UNTILL ALL configs ARE READY!

Router to Host = Red X not needed

Addressing Table

IPV4! YAY!

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	G0/1	172.27.0.1	255.255.255.0	N/A
	S0/0/0	172.27.123.1	255.255.255.252	N/A
	Lo1	172.27.1.1	255.255.255.0	N/A
R2	S0/0/0	172.27.123.2	255.255.255.252	N/A
	S0/0/1	172.27.123.5	255.255.255.252	N/A
	Lo0	209.165.200.225	255.255.255.248	N/A
R3	G0/1	172.27.0.3	255.255.255.0	N/A
	S0/0/0	172.27.123.6	255.255.255.252	N/A
	Lo4	172.27.4.1	255.255.255.0	N/A
S1	VLAN 1	172.27.0.11	255.255.255.0	172.27.0.2
S2	VLAN 1	172.27.0.12	255.255.255.0	172.27.0.2
S3	VLAN 1	172.27.0.13	255.255.255.0	172.27.0.2
PC-A	NIC	172.27.0.21	255.255.255.0	172.27.0.2
PC-B	NIC	172.27.0.22	255.255.255.0	172.27.0.2
PC-C	NIC	172.27.0.23	255.255.255.0	172.27.0.2

(handwritten notes: "Port unborce" near R3, "so/o/o" / "solop")

Assessment Objectives

Part 1: Initialize Devices (10 points, 5 minutes)

Part 2: Configure Device Basic Settings (51 points, 30 minutes)

Part 3: Configure LAN Redundancy and Link Aggregation (28 points, 25 minutes)

Part 4: Configure OSPFv2 Dynamic Routing Protocol (51 points, 30 minutes)

Part 5: Verify Network Connectivity and HSRP Configuration (10 points, 20 minutes)

Scenario

In this Skills Assessment (SA), you will create a small network. You must connect the network devices, and configure those devices to support IPv4 connectivity, LAN redundancy, and link aggregation. You will then configure OSPFv2 and HSRP on the network and verify connectivity.

Required Resources

- 3 Routers (Cisco 1941 with Cisco IOS Release 15.2(4)M3 universal image or comparable)
- 3 Switches (Cisco 2960 with Cisco IOS Release 15.0(2) lanbasek9 image or comparable)
- 3 PCs (Windows with terminal emulation program, such as Tera Term)
- Console cable to configure the Cisco IOS devices via the console ports
- Ethernet and Serial cables as shown in the topology