Lab 7.3.2 Prototype Network Installation Checklist

Installation Steps	Completed
Test 1 Requirements:	
Step 1: Perform basic switch configuration on each of the three switches. Include hostname, passwords, and VLAN1 IP address.	
Step 2: Connect the cables between switches as shown in the topology diagram.	
Step 3: Configure VLAN 4 on switch S1. Configure ports Fa0/10 and Fa0/11 for VLAN 4.	
Step 4: Perform basic router configuration on each of the two routers. Include hostnames, passwords, and the backbone link (the 172.18.4.0 network).	
Step 5: Connect the cables between the two routers and switch S1 as shown in the topology diagram.	
Step 6: Perform Test 1 according to the Server Farm Design Test Plan.	
Test 2 Requirements:	
Step 1: Create and name VLANs on each switch per the VLAN plan.	
Step 3: Assign switch ports to VLANs as shown on the topology diagram. Place the rest of the ports in the default VLAN, VLAN 99.	
Step 4: Configure VTP domain. Set switch S1 as the server and the other two switches as clients. Use **Test** as the domain name and **cisco** as the domain password.	
Step 5: Create trunk ports on the inter-switch links. On switch S1, exclude VLAN 4 from the trunk links.	
Step 6: Configure Rapid STP protocol.	
Step 7: Set switch S1 as the root bridge.	
Step 8: Perform Test 2 according to the Server Farm Design Test Plan.	
Test 3 Requirements:	
Step 1: Connect the cable between switch S3 and Router R2 as shown in the topology diagram.	
Step 1: Create a trunk port on switch S3 to connect to Router R2 as shown in the topology diagram.	
Step 2: Create subinterface configuration on Router R2 Fa0/1 for each of the VLANs on the trunk link using the 802.1q encapsulation. Do not put an IP address on the subinterface for VLAN 99.	
Step 3: Perform Test 3 according to the Server Farm Design Test Plan.	
Test 4 Requirements:	
Step 1: On router R2, configure ACLs to limit or permit access for testing.	
Step 2: Apply the access control lists to the appropriate interfaces and subinterfaces to permit or deny the selected traffic.	
Step 3: Perform Test 4 according to the Server Farm Design Test Plan.	