**Worlds Skills 2013 C-4 Leipzig 2013**

**Scenario**

You have been asked to connect a wireless access point to Stadium Headquarters Stadium-rt router through a Frame Relay service provider network.   
You will also use a backup link through the ISPN-2 router. The ISPN-2 router is pre-configured and awaiting your connection. The ISPN-2 router link has assigned IP addresses.  
Use the chart to determine the IP address plan used.   
Console and VTY password is cisco.  
No enable or secret passwords are needed.

**IP Address Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Device Name** | **Interface** | **IP Address** | **Subnet Mask** | **Default Gateway** |
| Stadium-rt | GigabitEhernet0/0  GigabitEthernet0/1  S0/0/0.101  GigabitEthernet0/2 | 172.17.0.1  172.16.1.6  172.21.1.229  172.21.0.1 | /16  /30  /30  /24 |  |
| WSI-Office-AU | Fa0/1  Fa0/0  Fa0/1.1 (VLAN1)  Fa0/1.11 (VLAN11)  Fa0/1.12 (VLAN12)  S0/0/0.100 | 172.16.1.2  172.21.1.193  172.21.1.129  172.21.1.1  172.21.1.230 | /30  /28  /26  /25  /30 |  |
| ISPN-2 | Fa0/0  Fa0/1 | 172.16.1.1  172.16.1.5 | /30  /30 |  |
| Frame-Cloud | S0/0/0  S0/0/1 | DLCI 100  DLCI 101 |  |  |
| S1 | VLAN1 | 172.21.1.194 | /28 | ? |
| S2 | VLAN1 | 172.21.1.195 | /28 | ? |
| Office-1 | NIC | 172.21.1.130/26 | /26 | 172.21.1.129/26 |
| Remote-PC | NIC | 172.21.1.2 | /25 | 172.21.1.1/25 |
| WSI-Replay (Server) | NIC | 172.17.1.1 | /16 | 172.17.0.1/16 |
| **VLAN Port Assignment** | | | | |
| Device Name | VLAN Number | Ports Assigned | | |
| S1 | 1 | GigabitEthernet1/1, GigabitEthernet1/2 | | |
| S1 | 11 | FA0/3 through FA0/11 | | |
| S1 | 12 | FA0/12 through FA0/24 | | |
| S2 | 1 | FA0/1, GigabitEthernet1/1, GigabitEthernet1/2 | | |
| S2 | 11 | FA0/3 through FA0/11 | | |
| S2 | 12 | FA0/12 through FA0/24 | | |

|  |  |  |
| --- | --- | --- |
|  | **Scored Tasks** |  |
| **Devices** | **Switch Configuration** | **notes** |
| S1 and S2 | Perform basic switch configuration, including host name, passwords, and VLAN1 IP address. |  |
| S1 and S2 | Configure VLANs on S1 and S2 |  |
| S1 | Configure S1 as the STP root switch. Set domain as WSI |  |
| S1 and S2 | Trunk ports as needed via the connections |  |
| S2 | Configure S2 as the VTP client add to WSI Domain |  |
| S2 | Configure a trunk link to S1. |  |
| **Devices** | **Router Configuration** |  |
| WSI-Office-AU  Stadium-rt | Perform basic router configurations: passwords, and interface IP addresses. |  |
| WSI-Office-AU | Configure Fa0/0 subinterfaces for inter-VLAN routing. |  |
| WSI-Office-AU  Stadium-rt | Configure Frame Relay |  |
| WSI-Office-AU  Stadium-rt | EIGRP routing protocol to advertise the LANs and the Frame Relay WAN link network. Use EIGRP process ID 200. Disable auto-summary. |  |
| WSI-Office-AU | Configure a floating static route to the WSI-Replay Server network using the Ethernet connection to the ISPN-2 router. |  |
| Stadium-rt | Configure a floating static route remote LAN using the Ethernet connection to the ISP router. |  |
| **Devices** | **ACL Filtering**  **Configuration Requirements** |  |
| WSI-Office-AU | Configure a VTY ACL to permit telnet only from the Stadium-rt router (S0/0/0 IP address or Fa0/1 IP address). Apply the ACL to VTY 0-4 inbound. |  |

**Good Luck!**