Cisco CCNAv7: NS Final Prcatical-02-Configure a IPS

Devices Name	Interface	Connect with	Interface	User Count	Remark
R-01	Gig 0/0/0	SW-01	Gig 0/1	10.10.10.0/24	
	Gig 0/0/1	SW-02	Gig 0/1	10.10.11.0/24	
	Serial 0/1/0	R-02	Serial 0/1/0	10.10.13.2/30	DTE
R-02	Serial 0/0/0	R-01	Serial 0/0/0	10.10.13.1/30	DCE
	Serial 0/0/1	R-03	Serial 0/0/1	10.10.13.5/30	DCE
R-03	Gig 0/0/0	SW-03	Gig 0/1	10.10.12.0/24	
	Serial 0/0/1	R-02	Serial 0/0/1	10.10.13.6/30	DTE
SysLog	Fa 0	SW-01	Fa 0/1	10.10.10.10	SysLog-Server
Web	Fa 0	SW-01	Fa 0/2	10.10.10.11	Web|DNS-Server
Dilshan-PC	Fa 0	SW-02	Fa 0/1	10.10.11.10	Dilshan Herath
Pradeep-PC	Fa 0	SW-02	Fa 0/2	10.10.11.11	Pradeep Rajapaksha
Dasun-PC	Fa 0	SW-03	Fa 0/1	10.10.12.10	Dasun Shanka
Prasanna-PC	Fa 0	SW-03	Fa 0/2	10.10.12.11	Prasanna Bandara

1. Design and IP Configure

2. OSPF with MD 5
    Process ID = 10
    Area =   0
    MD5 Key = MD5K3y@.

3. Enable R-01 Router IOS as to IPS

4. Enable the security technology package on Router-01

5. Create IOS IPS Configuration directory in Flash
    IPS Folder Name: IPSDir
    IP IPS Name: IOSIPS
    Enable all category
    IPS outgoing Interface: interface gigabitEthernet 0/0

6. Conigure IPS signature location: signature value 20040

7. IPS rule create and Implement
    Enable event allow action: alert
    Enable event deny action: deny with inline