Cisco IP SLA

- Cisco IP SLA is an active traffic monitoring feature of IOS that allows you to measure network performance.

- It can generate traffic which mimics your normal production traffic and then report back with performance characteristics such as latency, jitter and loss.

- It is named SLA because it can be used to verify Service Level Agreements.

- For connectivity troubleshooting, it can be used to generate an ongoing ping and report on the success rate.

IP SLA Configuration for Connectivity Check

```
R1(config)#ip sla 1
R1(config-ip-sla)#icmp-echo 10.1.2.10
R1(config-ip-sla-echo)#frequency 10
R1(config-ip-sla-echo)#exit
R1(config)#ip sla schedule 1 life forever start-time now

R1#show ip sla statistics
```

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Lab

10.1.2.10
PC3

SW3

FE1/0
10.1.2.1/24

R4

FE3/0
203.0.113.1/24

FE2/0
10.1.3.1/24

SW4

203.0.113.2/24

Internet

10.1.1.0/24

.1   FE0/0   FE0/0   .2

R3

FE1/0   .1

10.1.0.0/24

FE1/0   .2

R2

.2   FE0/0

R5

FE2/0
10.1.3.2/24

FE3/0
10.0.3.2/24

10.0.0.0/24

.1   FE0/0

R1

FE1/0
10.0.1.1/24

FE3/0
10.0.3.1/24

FE2/0
10.0.2.1/24

SW2

PC2
10.0.2.10

10.0.1.10
PC1

SW1

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