IP SLA - use to ~~track~~ network performance
like active network measurement technology
like latency, ping response, jiter.

① click on router R1 R2.
double click on Router Node properties
Slot 3 ((serial cable is not visibe
Slot1. ② select slot PA + 4T +
connect router with serial I/O cable.
Click on ▶ (green button)
③ Right click on R1 go to console

~~Start magnifier~~
R1 ④ go to configuration mode.
~~Rig~~ write
conf t. enter.
int S1/0 enter.
ip address _____ subnet mask enter.
no shutdown enter
ip route 0.0.0.0.0.0.0.0 enter
ip route 0.0.0.0.0.0.0.0 ip address ISP enter
exit enter.
config # hostname R.

R2 ⑤ configuration mode for R2
Right click R2 → console.
config # hostname ISP
int S1/0
ip address _____ subnet mask
clock rate 4032000
exit
no ip domain-lookup
int loopback 0
ip address _____ subnet mask.
no shutdown.
exit.
int S1/0
no shutdown
exit.
end.
ping ip address.

~~ping~~ # go to R1 & write
ping ip address

SLA configuration.

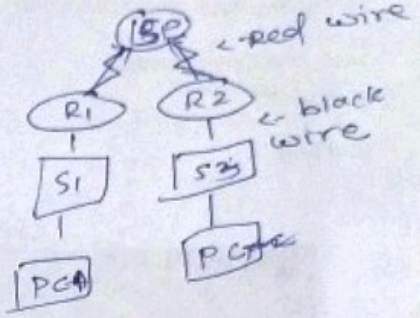
conf t
ip sla 22 -- id can not written again.
icmp-echo 198.133.219.1
frequency 20
ip sla schedule 22 start-time now life forever
end
show ip sla configuration

R2 console. — to close.

conf t
int loopback 0
shutdown
no shutdown

R1 console.
show ip sla statistics

Remote config R1



machine ist to P → IP address add

Pract_2 Implement IPV4 ACLs. a) Standard ACL b) extended Acl

collectn of 3 routers having 2 machines on 3 routers.

from bottom you will get PC logo

Select machine 1 & machine 2 from PC 2 (drag)

click left IST icon after drag 2 switchs

click on logo beside ⚡ ▭

drag routers 3 routers.

connect router with switch.

click on ⚡ select black cable to sel

Join PC & switch fastethernet

rename · switches S1, S2 & Router R1, R2

Switch connect router black sam ethnet

(Serial 0/0/1) connet router red cable

configure machine 1st

click/right click on machine → Desktop → IP address add

→ Static → (default gateway) → IP address.

same for second PC

click machine 2

same steps above

Router 1 R1 config

click Router → ip address

fast ethernet → subnet mask.

port state → click on on.

R3 same steps for configuration

click on Router → fast ethernet

config.

ipaddress →

click on mail icon

put PC-A to get green wire

click serial cable (red cable)

click on router → serial cable.

→ ip address

→ Full duplex set 128000

next router → serial cable

ip router (ISP)

ISP (config) → serial 0/0/1 →

ip-address →

full duplex.

R3 - serial 0/0/0 → ip → Duplex

click R1 → CLI

exit

ip address _____ subnet mask

no shutdown

exit.

ISP → CLI → exit → ip address

Subnet Mask.

no shutdown

R3 → same as above

double click S1 → CLI

conf t

int vlan 1

ip address put _____ subnet

exit

ip default-gateway ip add

int vlan1

no shutdown.

Interface Vlan1, changed

Line protocol on Interface Vlan1, State to up changed state to up

exit.

S2 same step for switch 2

back page step.

set 1 network.
click R1 → configure → RIP.
write
version 2

RIP → config → Network.
Add → box [ip address R1] [Ipadd S1] [Ip add loopback]

RSP → config → RIP → version 2
→ config → RIP → add ipaddress [default] [IL s3 ipadd] [Loopback]

R3 same steps.

click machine → cmd →
> ping ip address.

go to switch → CLI → copy code → paste

~~R3 → copy ACL commands~~
A

config ACL on R3
R3 → Config → CLI →
copy paste commands
all command.

write CO
→ int F0/1
copy access path
→ end
show access-list 1
ping ip address.