# Router A: RouterA#show running-config

Building configuration...

Current configuration : 1331 bytes

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname RouterA

!

boot-start-marker

boot-end-marker

!

enable secret 5 $1$i/nX$ORYPfMM0ZgMmY2.zS9zn80

enable password 7 070C285F4D06

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

ip address 192.168.1.1 255.255.255.0

duplex auto

speed auto

!

interface FastEthernet0/1

ip address 192.168.21.1 255.255.255.0

duplex auto

speed auto

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

ip forward-protocol nd

ip route 192.168.51.0 255.255.255.0 192.168.21.2

!

!

no ip http server

no ip http secure-server

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

banner motd ^CAcesso nao autorizado a pessoas desconhecidas^C

!

line con 0

exec-timeout 0 0

privilege level 15

password 7 121A0C041104

logging synchronous

login

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

password 7 0822455D0A16

login

!

!

end

# RouterA#show history

ping 192.168.1.1

ping 192.168.21.1

show ip interface brief

write

ping 192.168.1.100

conf t

show ip route

ping 192.168.21.2

show running-config

ping 192.168.51.1

show ip route

conf t

ping 192.168.51.1

write

show running-config

conf t

show running-config

ping 192.168.51.1

ping 192.168.21.2

show history

# RouterA#show ip route

Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2

ia - IS-IS inter area, \* - candidate default, U - per-user static route

o - ODR, P - periodic downloaded static route

Gateway of last resort is not set

C 192.168.21.0/24 is directly connected, FastEthernet0/1

S 192.168.51.0/24 [1/0] via 192.168.21.2

C 192.168.1.0/24 is directly connected, FastEthernet0/0

# RouterA#show ip traffic

IP statistics:

Rcvd: 95 total, 65 local destination

0 format errors, 0 checksum errors, 0 bad hop count

0 unknown protocol, 0 not a gateway

0 security failures, 0 bad options, 0 with options

Opts: 0 end, 0 nop, 0 basic security, 0 loose source route

0 timestamp, 0 extended security, 0 record route

0 stream ID, 0 strict source route, 0 alert, 0 cipso, 0 ump

0 other

Frags: 0 reassembled, 0 timeouts, 0 couldn't reassemble

0 fragmented, 0 fragments, 0 couldn't fragment

Bcast: 15 received, 0 sent

Mcast: 0 received, 0 sent

Sent: 64 generated, 30 forwarded

Drop: 6 encapsulation failed, 0 unresolved, 0 no adjacency

0 no route, 0 unicast RPF, 0 forced drop

0 options denied

Drop: 0 packets with source IP address zero

Drop: 0 packets with internal loop back IP address

0 physical broadcast

ICMP statistics:

Rcvd: 0 format errors, 0 checksum errors, 0 redirects, 0 unreachable

35 echo, 30 echo reply, 0 mask requests, 0 mask replies, 0 quench

0 parameter, 0 timestamp, 0 info request, 0 other

0 irdp solicitations, 0 irdp advertisements

Sent: 0 redirects, 0 unreachable, 40 echo, 35 echo reply

0 mask requests, 0 mask replies, 0 quench, 0 timestamp

0 info reply, 0 time exceeded, 0 parameter problem

0 irdp solicitations, 0 irdp advertisements

TCP statistics:

Rcvd: 0 total, 0 checksum errors, 0 no port

Sent: 0 total

BGP statistics:

Rcvd: 0 total, 0 opens, 0 notifications, 0 updates

0 keepalives, 0 route-refresh, 0 unrecognized

Sent: 0 total, 0 opens, 0 notifications, 0 updates

0 keepalives, 0 route-refresh

IP-EIGRP statistics:

Rcvd: 0 total

Sent: 0 total

PIMv2 statistics: Sent/Received

Total: 0/0, 0 checksum errors, 0 format errors

Registers: 0/0 (0 non-rp, 0 non-sm-group), Register Stops: 0/0, Hellos: 0/0

Join/Prunes: 0/0, Asserts: 0/0, grafts: 0/0

Bootstraps: 0/0, Candidate\_RP\_Advertisements: 0/0

Queue drops: 0

State-Refresh: 0/0

IGMP statistics: Sent/Received

Total: 0/0, Format errors: 0/0, Checksum errors: 0/0

Host Queries: 0/0, Host Reports: 0/0, Host Leaves: 0/0

DVMRP: 0/0, PIM: 0/0

Queue drops: 0

UDP statistics:

Rcvd: 0 total, 0 checksum errors, 0 no port

Sent: 0 total, 0 forwarded broadcasts

OSPF statistics:

Rcvd: 0 total, 0 checksum errors

0 hello, 0 database desc, 0 link state req

0 link state updates, 0 link state acks

Sent: 0 total

0 hello, 0 database desc, 0 link state req

0 link state updates, 0 link state acks

ARP statistics:

Rcvd: 7 requests, 1 replies, 0 reverse, 0 other

Sent: 6 requests, 8 replies (0 proxy), 0 reverse

Router B:

# RouterB#show running-config

Building configuration...

Current configuration : 1221 bytes

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname RouterB

!

boot-start-marker

boot-end-marker

!

enable secret 5 $1$g6GJ$nOqY.pkZsya2DWoi0Yi561

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

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!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

ip address 192.168.21.2 255.255.255.0

duplex auto

speed auto

!

interface FastEthernet0/1

ip address 192.168.51.1 255.255.255.0

duplex auto

speed auto

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

ip forward-protocol nd

ip route 192.168.1.0 255.255.255.0 192.168.21.1

ip route 192.168.21.0 255.255.255.0 192.168.21.1

!

!

no ip http server

no ip http secure-server

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

banner motd ^CAcesso restrito^C

!

line con 0

exec-timeout 0 0

privilege level 15

password 7 13061B13181F

logging synchronous

login

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

password 7 01100A054818

login

!

!

end

# RouterB#show history

conf t

show running-config

conf t

show running-config

conf t

ping 192.168.51.1

ping 192.168.21.2

ping 192.168.1.1

write

conf t

ping 192.168.1.1

show running-config

show ip interface brief

conf t

ping 192.168.21.0

ping 192.168.1.1

ping 192.168.1.100

write

show running-config

show history

RouterB#show ip route

Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2

ia - IS-IS inter area, \* - candidate default, U - per-user static route

o - ODR, P - periodic downloaded static route

Gateway of last resort is not set

C 192.168.21.0/24 is directly connected, FastEthernet0/0

C 192.168.51.0/24 is directly connected, FastEthernet0/1

S 192.168.1.0/24 [1/0] via 192.168.21.1

# RouterB#show ip traffic

IP statistics:

Rcvd: 69 total, 69 local destination

0 format errors, 0 checksum errors, 0 bad hop count

0 unknown protocol, 0 not a gateway

0 security failures, 0 bad options, 0 with options

Opts: 0 end, 0 nop, 0 basic security, 0 loose source route

0 timestamp, 0 extended security, 0 record route

0 stream ID, 0 strict source route, 0 alert, 0 cipso, 0 ump

0 other

Frags: 0 reassembled, 0 timeouts, 0 couldn't reassemble

0 fragmented, 0 fragments, 0 couldn't fragment

Bcast: 0 received, 15 sent

Mcast: 0 received, 0 sent

Sent: 70 generated, 0 forwarded

Drop: 5 encapsulation failed, 0 unresolved, 0 no adjacency

0 no route, 0 unicast RPF, 0 forced drop

0 options denied

Drop: 0 packets with source IP address zero

Drop: 0 packets with internal loop back IP address

0 physical broadcast

ICMP statistics:

Rcvd: 0 format errors, 0 checksum errors, 0 redirects, 0 unreachable

30 echo, 39 echo reply, 0 mask requests, 0 mask replies, 0 quench

0 parameter, 0 timestamp, 0 info request, 0 other

0 irdp solicitations, 0 irdp advertisements

Sent: 0 redirects, 0 unreachable, 50 echo, 30 echo reply

0 mask requests, 0 mask replies, 0 quench, 0 timestamp

0 info reply, 0 time exceeded, 0 parameter problem

0 irdp solicitations, 0 irdp advertisements

TCP statistics:

Rcvd: 0 total, 0 checksum errors, 0 no port

Sent: 0 total

BGP statistics:

Rcvd: 0 total, 0 opens, 0 notifications, 0 updates

0 keepalives, 0 route-refresh, 0 unrecognized

Sent: 0 total, 0 opens, 0 notifications, 0 updates

0 keepalives, 0 route-refresh

IP-EIGRP statistics:

Rcvd: 0 total

Sent: 0 total

PIMv2 statistics: Sent/Received

Total: 0/0, 0 checksum errors, 0 format errors

Registers: 0/0 (0 non-rp, 0 non-sm-group), Register Stops: 0/0, Hellos: 0/0

Join/Prunes: 0/0, Asserts: 0/0, grafts: 0/0

Bootstraps: 0/0, Candidate\_RP\_Advertisements: 0/0

Queue drops: 0

State-Refresh: 0/0

IGMP statistics: Sent/Received

Total: 0/0, Format errors: 0/0, Checksum errors: 0/0

Host Queries: 0/0, Host Reports: 0/0, Host Leaves: 0/0

DVMRP: 0/0, PIM: 0/0

Queue drops: 0

UDP statistics:

Rcvd: 0 total, 0 checksum errors, 0 no port

Sent: 0 total, 0 forwarded broadcasts

OSPF statistics:

Rcvd: 0 total, 0 checksum errors

0 hello, 0 database desc, 0 link state req

0 link state updates, 0 link state acks

Sent: 0 total

0 hello, 0 database desc, 0 link state req

0 link state updates, 0 link state acks

ARP statistics:

Rcvd: 1 requests, 0 replies, 0 reverse, 0 other

Sent: 5 requests, 5 replies (0 proxy), 0 reverse