

E1 IP- ESR SFP- ToPGATE-SFP.

:

- IP-
- Firewall
- OSPF.

:

```
hostname routerA

system jumbo-frames

router ospf 1
  router-id 192.168.54.1
  area 0.0.0.0
    enable
  exit
  enable
exit

interface gigabitethernet 1/0/1
  ip firewall disable
  ip address 192.168.54.1/30
  ip ospf instance 1
  ip ospf
exit
```

```
hostname routerB

system jumbo-frames

router ospf 1
  router-id 192.168.54.2
  area 0.0.0.0
    enable
  exit
  enable
exit

interface gigabitethernet 1/0/1
  ip firewall disable
  ip address 192.168.54.2/30
  ip ospf instance 1
  ip ospf
exit
```

1. SFP- ToPGATE-SFP routerA (gi1/0/5) 15 .
2. SFP- IP- 192.168.0.23/24

```
interface gigabitethernet 1/0/5
 ip firewall disable
 ip address 192.168.0.23/24
 exit
```

3. IP- routerA SFP- IP- . 172.16.16.0/30

3.1. CLI ESR CLI SFP- telnet IP- 192.168.0.24 / - admin/admin

```
routerA# telnet 192.168.0.24
```

```
Entering character mode
Escape character is '^]'.
```

```
login: admin
password:
```

ToPGATE-SFP

```
..
|>AAA
| E1
| Envir
| Eth
| flash
| IP
| System
| TDMoP
| VLAN
```

3.2. / "IP" Enter

```
|>..
| current-config
| hosts
| stat
| stored-config
```

3.3. / "stored-config" Enter

```
>..
| NetworkAddr      192.168.0.24
| NetworkMask      255.255.255.0
| DefaultGateway   192.168.0.1
| DefaultVlanID    0
| DefaultVlanPri   0
| PhysicalAddr     54:A5:4B:00:67:6A
| SecondaryMAC     54:A5:4B:00:67:6B
| TrustAll         Yes
| TrustLocal       Yes
| TrustUnkVlan     Yes
| DNS1            0.0.0.0
```

3.4. SFP- IP-

/ "NetworkAddr" Enter

```
|-----|
|Enter value:|
|192.168.0.24|
|-----|
```

backspace IP- (192.168.0.24). IP- IP- routerA ToPGATE-SFP (IP- 172.16.16.2/30)

```
|-----|
|Enter value:|
|172.16.16.2|
|-----|
```

Enter.

3.5. / "NetworkMask " Enter

```
|-----|
|Enter value:|
|255.255.255.0|
|-----|
```

```
|-----|
|Enter value:|
|255.255.255.252|
|-----|
```

Enter.

3.6. / "DefaultGateway" Enter

```
|-----|
|Enter value:|
|192.168.0.1|
|-----|
```

IP- , IP- gi1/0/5

```
|-----|
|Enter value:|
|172.16.16.1|
|-----|
```

Enter.

3.7. SFP-

/ ".." Enter

```
|>..  
| current-config  
| hosts  
| stat  
| stored-config
```

/ “.” Enter

```
|..  
|>AAA  
| E1  
| Envir  
| Eth  
| flash  
| IP  
| System  
| TDMoP  
| VLAN
```

3.8. “ESC” “s”

3.9. CLI SFP-:

“CTRL”+“5” “e”.

Console escape. Commands are:

```
l      go to line mode  
c      go to character mode  
z      suspend telnet  
e      exit telnet  
routerA#
```

3.10 SFP-

3.11. gi1/0/5 IP- 192.168.0.23/24 IP- IP- routerA ToPGATE-SFP (IP- 172.16.16.1/30)., OSPF, IP- ToPGATE-SFP .

```
routerA# configure  
routerA(config)# interface gigabitethernet 1/0/5  
routerA(config-if-gi)# no ip address 192.168.0.23/24  
routerA(config-if-gi)# ip address 172.16.16.1/30  
routerA(config-if-gi)# ip ospf instance 1  
routerA(config-if-gi)# ip ospf  
routerA(config-if-gi)# end  
routerA# commit  
routerA# confirm
```

3.12 SFP-, 15 IP- routerA c SFP- ping

```
routerA# ping 172.16.16.2  
PING 172.16.16.2 (172.16.16.2) 56(84) bytes of data:  
!!!!!  
--- 172.16.16.2 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4049ms  
rtt min/avg/max/mdev = 0.268/0.345/0.593/0.125 ms
```

4. 1, 2 3 routerB - ToPGATE-SFP IP- (172.16.16.4/30)

5. :

5.1. :

```

hostname routerA

system jumbo-frames

router ospf 1
  router-id 192.168.54.1
  area 0.0.0.0
    enable
  exit
  enable
exit

interface gigabitethernet 1/0/1
  ip firewall disable
  ip address 192.168.54.1/30
  ip ospf instance 1
  ip ospf
exit

interface gigabitethernet 1/0/5
  ip firewall disable
  ip address 172.16.16.1/30
  ip ospf instance 1
  ip ospf
exit

```

```

hostname routerB

system jumbo-frames

router ospf 1
  router-id 192.168.54.2
  area 0.0.0.0
    enable
  exit
  enable
exit

interface gigabitethernet 1/0/1
  ip firewall disable
  ip address 192.168.54.2/30
  ip ospf instance 1
  ip ospf
exit

interface gigabitethernet 1/0/5
  ip firewall disable
  ip address 172.16.16.5/30
  ip ospf instance 1
  ip ospf
exit

```

5.2. ESR , ESR

```

routerA# show ip route
Codes: C - connected, S - static, R - RIP derived,
        O - OSPF derived, IA - OSPF inter area route,
        E1 - OSPF external type 1 route, E2 - OSPF external type 2 route
        B - BGP derived, D - DHCP derived, K - kernel route, V - VRRP route
        * - FIB route

C      * 192.168.54.0/30    [0/0]                dev gil/0/1          [direct 00:00:46]
O      * 172.16.16.4/30    [150/20]             via 192.168.54.2 on gil/0/1 [ospf1 01:15:59] (192.168.54.2)
C      * 172.16.16.0/30    [0/0]                dev gil/0/5          [direct 01:02:56]

```

```

routerB# sh ip route
Codes: C - connected, S - static, R - RIP derived,
        O - OSPF derived, IA - OSPF inter area route,
        E1 - OSPF external type 1 route, E2 - OSPF external type 2 route
        B - BGP derived, D - DHCP derived, K - kernel route, V - VRRP route
        * - FIB route

C    * 192.168.54.0/30    [0/0]                dev gil/0/1                [direct 03:36:24]
C    * 172.16.16.4/30    [0/0]                dev gil/0/5                [direct 05:20:28]
O    * 172.16.16.0/30    [150/20]             via 192.168.54.1 on gil/0/1 [ospf1 05:07:29] (192.168.54.1)

```

6. "" E1 SFP- ToPGATE-SFP

6.1. telnet SFP- routerA /- admin/admin

```

routerA# telnet 192.168.0.24

Entering character mode
Escape character is '^]'.

login: admin
password:

```

6.2. 3 TDMoP --> 0 --> config

6.3. 3 IP (RemotelP), ip- SFP- routerB

6.4. 3 .. "AdminStatus" "AdminStatus"

6.5. 3 "VLANID" "0"

6.6. "ESC" "s"

7. 6 SFP- routerB, RemotelPip- SFP- routerA

8. "E1" E1 ToPGATE-SFP.