

Hello Computers CCIE Security Lab Solution for Lab16

r1config

-----

```
r1#
hostname r1
!
enable secret hello
!
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
int e0
no ip directed-broadcast
no ip proxy-arp
```

```
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 192.168.15.1 255.255.255.0
ip ospf priority 1
no shut
ip nat inside
!
int s0
encapsulation frame
frame-relay lmi-type ansi
no shut
!
int s0.124 multipoint
ip address 150.50.124.1 255.255.255.0
ip ospf network point-to-multipoint
frame map ip 150.50.124.2 112 broadcast
frame map ip 150.50.124.4 114 broadcast
no frame inverse
no shut
ip nat outside
!
int s0.13 point-to-point
ip address 150.50.13.1 255.255.255.0
ip ospf network point-to-point
frame interface-dlci 113
no shut
ip ospf authentication message-digest
ip ospf message-digest key 1 md5 hello
ip nat outside
!
int lo0
ip add 11.11.11.11 255.255.255.0
!
int lo1
ip add 111.111.111.111 255.255.255.0
!
key chain keyr1
key 1
  key-string hello
!
router ospf 100
router-id 11.11.11.11
network 192.168.15.0 0.0.0.255 area 0
network 11.11.11.0 0.0.0.255 area 0
network 150.50.124.0 0.0.0.255 area 1
network 150.50.13.0 0.0.0.255 area 2
area 1 virtual 44.44.44.44
redistribute rip subnets
distribute-list 11 in
```

```

!
router rip
version 2
no auto-summary
network 192.168.15.0
network 150.50.111.0
neighbor 192.168.15.11
redistribute ospf 100
default-metric 2
!
router bgp 4799
network 111.111.111.0 mask 255.255.255.0
no auto-summary
no sync
neighbor 22.22.22.22 remote-as 4799
neighbor 22.22.22.22 description r2lo0-ibgp
neighbor 22.22.22.22 update-source loopabck 0
neighbor 22.22.22.22 route-reflector-client
neighbor 22.22.22.22 soft-reconfiguration in
neighbor 22.22.22.22 next-hop-self
neighbor 44.44.44.44 remote-as 4799
neighbor 44.44.44.44 description r4lo0-ibgp
neighbor 44.44.44.44 update-source loopabck 0
neighbor 44.44.44.44 route-reflector-client
neighbor 44.44.44.44 soft-reconfiguration in
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
ip nat inside source list 121 int s0.124 overload
access-list 121 permit ip 192.168.15.0 0.0.0.255 any
!
line con 0
no login
line vty 0 4
login
password hello
!
!
r2config
-----
r2#
hostname r2
!
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger

```

```

service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
enable secret hello
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 150.50.22.2 255.255.255.0
no shut
!
int s0
encapsulation frame
frame-relay lmi-type ansi
no shut
ip add 150.50.124.2 255.255.255.0

```

```

frame map ip 150.50.124.1 121 broadcast
frame map ip 150.50.124.4 121 broadcast
ip ospf network point-to-multipoint
ip access-g 101 in
!
int lo0
ip add 22.22.22.22 255.255.255.0
!
int lo1
ip add 122.122.122.122 255.255.255.0
!
router ospf 100
router-id 22.22.22.22
network 150.50.124.0 0.0.0.255 area 1
network 150.50.22.0 0.0.0.255 area 1
network 22.22.22.0 0.0.0.255 area 1
distribute-list 11 in
!
router bgp 4799
network 122.122.122.0 mask 255.255.255.0
no auto-summary
no sync
neighbor 11.11.11.11 remote-as 4799
neighbor 11.11.11.11 description r1lo0-ibgp
neighbor 11.11.11.11 soft-reconfiguration in
neighbor 11.11.11.11 update-source loopback 0
neighbor 44.44.44.44 remote-as 4799
neighbor 44.44.44.44 description r4lo0-ibgp
neighbor 44.44.44.44 soft-reconfiguration in
neighbor 44.44.44.44 update-source loopback 0
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
username hello password hello
username hello autocommand access-enable timeout 5
!
access-list 101 permit tcp host 192.168.15.150 host 150.50.22.2 eq telnet log
access-list 101 dynamic dlist permit tcp host 192.168.15.150 host 150.50.22.150 eq telnet
access-list 101 dynamic dlist permit tcp host 192.168.15.150 host 150.50.22.150 eq ftp
access-list 101 deny tcp host 192.168.15.150 host 150.50.22.150 eq telnet
access-list 101 permit ip any any
!
line con 0
no login
line vty 0 4
login local
!
!
r3config
-----

```

```
r3#
hostname r3
!
enable secret hello
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
```

```

ip access-group 171 out
ip add 150.50.33.3 255.255.255.0
no shut
!
int s0
encapsulation frame
frame-relay lmi-type ansi
ip address 150.50.13.3 255.255.255.0
ip ospf network point-to-point
frame map ip 150.50.13.1 131 broadcast
no shut
ip ospf authentication message-digest
ip ospf message-digest key 1 md5 hello
!
int atm0
ip address 150.50.113.3
atm pvc 1 0 5 qsaal
atm pvc 2 0 16 ilmi
atm pvc 3 4 40 aal5snap
map-group map1
no shut
!
int lo0
ip add 33.33.33.33 255.255.255.0
!
int lo1
ip add 133.133.133.133 255.255.255.0
!
router ospf 100
router-id 33.33.33.33
network 150.50.23.0 0.0.0.255 area 2
network 33.33.33.0 0.0.0.255 area 2
network 150.50.33.0 0.0.0.255 area 2
network 150.50.3.0 0.0.0.255 area 2
area 2 authentication message-digest
redistribute eigrp 103 subnets
distribute-list 11 in
!
router bgp 4799
network 133.133.133.0 mask 255.255.255.0
no auto-summary
no sync
neighbor 11.11.11.11 remote-as 4799
neighbor 11.11.11.11 description r1lo0-ibgp
neighbor 11.11.11.11 soft-reconfiguration in
neighbor 11.11.11.11 update-source loopback 0
!
map-list map1
ip 150.50.3.113 atm-vc 3 broadcast
!
router eigrp 113
no auto-summary
network 150.50.3.0 0.0.0.255

```

```

redistribute ospf 100 metric 10000 100 255 1 1500
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
line con 0
no login
line vty 0 4
login
password hello
!
!
r4config
-----
r4#
hostname r4
!
enable secret hello
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000

```



```

!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
isdn switch-type basic-ni
username r5 password hello
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 150.50.44.4 255.255.255.0
no shut
!
int s0
encapsulation frame
frame-relay lmi-type ansi
ip address 150.50.124.4 255.255.255.0
ip ospf network point-to-multipoint
frame map ip 150.50.24.2 141 broadcast
no shut
!
int s1
encapsulation frame
frame-relay lmi-type ansi
ip address 150.50.46.4 255.255.255.0
frame route ip 150.50.46.6 146 broadcast
no shut
!
int bri0
ip add 145.45.45.4 255.255.255.240
isdn switch-type basic-ni
dialer-group 1
encapsulation ppp
ppp authentication chap
dialer idle-timeout 60
dialer load-threshold 128 either
ppp multilink
ppp callback accept
dialer callback-secure
dialer map ip 145.45.45.5 class callbackclass name r5 broadcast 8358662
dialer map ip 145.45.45.5 class callbackclass name r5 broadcast 8358664
ip ospf demand-circuit
ip ospf network point-to-point

```

```

no shut
ip ospf authentication message-digest
ip ospf message-digest key 1 md5 hello
!
int lo0
ip add 44.44.44.44 255.255.255.0
!
int lo1
ip add 144.144.144.144 255.255.255.0
!
key chain keyr4
key 1
  key-string hello
!
router ospf 100
router-id 44.44.44.44
network 150.50.124.0 0.0.0.255 area 1
network 150.50.44.0 0.0.0.255 area 1
network 44.44.44.0 0.0.0.255 area 1
network 145.45.45.0 0.0.0.15 area 1
network 150.50.46.0 0.0.0.255 area 0
redistribute eigrp 46 subnets
area 1 virtual 11.11.11.11
distribute-list 11 in
!
router bgp 4799
network 144.144.144.0 mask 255.255.255.0
no auto-summary
no sync
neighbor 11.11.11.11 remote-as 4799
neighbor 11.11.11.11 description r1lo0-ibgp
neighbor 11.11.11.11 soft-reconfiguration in
neighbor 11.11.11.11 update-source loopback 0
neighbor 22.22.22.22 remote-as 4799
neighbor 22.22.22.22 description r2lo0-ibgp
neighbor 22.22.22.22 soft-reconfiguration in
neighbor 22.22.22.22 update-source loopback 0
neighbor 150.50.46.6 remote-as 6666
neighbor 150.50.46.6 description r6s0-AS6666
neighbor 150.50.46.6 soft-reconfiguration in
neighbor 150.50.46.6 send-community
neighbor 150.50.46.6 route-map noexp out
bgp dampening
!
route-map noexp permit 10
  set community no-export
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
dialer-list 1 protocol ip permit

```

```

!
map-class dialer callbackclass
  dialer callback-server username
!
line con 0
  no login
line vty 0 4
  login
  password hello

r5config
-----
r5#
hostname r5
!
enable secret hello
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669

```

```

access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
isdn switch-type basic-ni
username r4 password hello
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 192.168.15.5 255.255.255.0
ip ospf priority 1
no shut
ip nat inside
!
int s0
encapsulation hdlc
ip address 150.50.57.5 255.255.255.0
no shut
ip nat outside
!
int bri0
ip add 145.45.45.5 255.255.255.240
isdn switch-type basic-ni
dialer-group 1
encapsulation ppp
ppp authentication chap
dialer idle-timeout 60
dialer load-threshold 128 either
ppp multilink
ppp callback request
dialer map ip 145.45.45.4 name r4 broadcast 8358661
dialer map ip 145.45.45.4 name r4 broadcast 8358663
ip ospf demand-circuit
ip ospf network point-to-point
no shut
ip nat outside
!
int lo0
ip add 55.55.55.55 255.255.255.0
!
int lo1
ip add 155.155.155.155 255.255.255.0
!
router ospf 100
router-id 55.55.55.55
network 192.168.15.0 0.0.0.255 area 0

```

```

network 55.55.55.0 0.0.0.255 area 0
network 145.45.45.0 0.0.0.15 area 1
redistribute rip subnets
distribute-list 11 in
!
router rip
version 2
no auto-summary
network 150.50.57.0
passive bri0
redistribute ospf 100
default-metric 2
distribute-list 11 in
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 deny 178.178.1.0 0.0.254.255
access-list 11 permit any
!
ip nat inside source list 121 int s0 overload
access-list 121 permit ip 192.168.15.0 0.0.0.255 any
!
dialer-list 1 protocol ip permit
!
line con 0
no login
line vty 0 4
login
password hello

r6config
-----
r6#
hostname r6
!
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers
snmp-server location Fremont-Santa Clara

```

```
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
enable secret hello
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 192.168.66.6 255.255.255.0
no shut
ip nat inside
!
int s0
encapsulation frame
frame-relay lmi-type ansi
ip address 150.50.46.6 255.255.255.0
no shut
ip nat outside
!
int lo0
ip add 66.66.66.66 255.255.255.0
!
int lo1
ip add 166.166.166.166 255.255.255.0
!
key chain keyr6
```

```

key 1
  key-string hello
!
router ospf 100
  router-id 66.66.66.66
  network 150.50.46.0 0.0.0.255 area 0
  network 172.16.66.6 0.0.0.255 area 0
  network 66.66.66.0 0.0.0.255 area 0
  distribute-list 11 in
!
router bgp 6666
  network 166.166.166.0 mask 255.255.255.0
  no auto-summary
  neighbor 150.50.46.4 remote-as 4799
  neighbor 150.50.46.4 description r4s1-AS4799
  neighbor 150.50.46.4 soft-reconfiguration in
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
ip nat inside source list 121 int s0 overload
access-list 121 permit ip 172.16.66.0 0.0.0.255 any
!
line con 0
  no login
line vty 0 4
  login
  password hello
!
!
r7config
-----
r7#
hostname r7
!
service password-encryption
logging buffered 10000 7
logging 150.50.15.101
logging facility local6
no service tcp-small-server
no service udp-small-server
no service finger
service debug timestamp
no ntp enable
no cdp run
ip http server
ip http access-class 10
access-list 10 permit 150.50.0.0 0.0.255.255
snmp-server community hello ro 71
snmp-server community hellorw rw 72
snmp-server contact Hello Computers

```

```

snmp-server location Fremont-Santa Clara
access-list 71 permit 150.50.0.0 0.0.255.255
access-list 72 permit 150.50.111.0 0.0.0.255
scheduler interval 1000
no ip domain-lookup
no ip source-route
!
access-list 141 permit icmp any any
access-list 141 deny ip any any
!
!deny Trinoo
access-list 171 deny tcp any any eq 27665
access-list 171 deny udp any any eq 31335
access-list 171 deny udp any any eq 26444
!deny Stacheldraht
access-list 171 deny tcp any any eq 16660
access-list 171 deny tcp any any eq 65000
!deny subseven
access-list 171 deny tcp any any eq 6711
access-list 171 deny tcp any any eq 6712
access-list 171 deny tcp any any eq 6669
access-list 171 deny tcp any any eq 2222
access-list 171 deny tcp any any eq 7000
access-list 171 permit ip any any
!
enable secret hello
!
int e0
no ip directed-broadcast
no ip proxy-arp
no ip redirects
no ip icmp mask-reply
no ip icmp unreachable
no ip route-cache
rate-limit output access-group 141 1000000 512000 786000 conform-action transmit exceed-action drop
ip access-group 171 out
ip add 10.10.77.7 255.255.255.0
no shut
ip nat inside
!
int s0
encapsulation hdlc
clock rate 64000
ip address 150.50.57.7 255.255.255.0
no shut
ip nat outside
!
int lo0
ip add 77.77.77.77 255.255.255.0
!
int lo1
ip add 167.167.167.167 255.255.255.0
!

```



```

int lo2
 ip add 178.178.178.178 255.255.255.0
!
int lo3
 ip add 178.178.179.179 255.255.255.0
!
int lo4
 ip add 178.178.180.180 255.255.255.0
!
int lo5
 ip add 178.178.181.181 255.255.255.0
!
router rip
 version 2
 network 150.50.57.0
 network 77.77.77.0
 network 10.10.77.0
 network 178.178.178.0
 network 178.178.179.0
 network 178.178.180.0
 network 178.178.181.0
 no auto-summary
 distribute-list 11 in
!
access-list 11 deny 10.10.77.0 0.0.0.255
access-list 11 deny 192.168.15.0 0.0.0.255
access-list 11 deny 172.16.66.0 0.0.0.255
access-list 11 permit any
!
ip nat inside source list 121 int s0 overload
access-list 121 permit ip 10.10.77.0 0.0.0.255 any
!
line con 0
 no login
!
line vty 0 4
 login
 password hello
!
!
catconfig
-----
cat(enable)

set vtp domain hello
set vtp mode transparent
!
set port name 3/1 r1e0
set port name 3/2 r2e0
set port name 3/3 r3e0
set port name 3/4 r4e0
set port name 3/5 r5e0
set port name 3/6 r6e0

```

```
set port name 3/7 r7e0
set port name 3/8 bb1e0
set port name 3/9 bb2e0
set port name 3/10 bb3e0
set port name 3/11 pix1e0
set port name 3/12 pix1e1
set port name 3/13 pix1e2
set port name 3/14 pix2e0
set port name 3/15 pix2e1
set port name 3/16 solaris1
set port name 3/17 solaris2
set port name 3/18 tacacs-ca
set port name 3/19 tftp
!
set vlan 2 3/2,3/17
set vlan 3 3/3
set vlan 4 3/4
set vlan 6 3/6
set vlan 7 3/7
set vlan 11 3/13
set vlan 15 3/1,3/5,3/11,3/14,3/16
set vlan 111 3/8,3/12,3/15,3/18-19
set vlan 113 3/10
!
set port speed 3/1 auto
set port duplex 3/1 auto
set port speed 3/2 auto
set port duplex 3/2 auto
set port speed 3/3 auto
set port duplex 3/4 auto
set port speed 3/5 auto
set port duplex 3/6 auto
set port speed 3/7 auto
set port duplex 3/7 auto
set port speed 3/8 auto
set port duplex 3/8 auto
set port speed 3/9 auto
set port duplex 3/9 auto
set port speed 3/10 auto
set port duplex 3/10 auto
set port speed 3/11 auto
set port duplex 3/11 auto
set port speed 3/12 auto
set port duplex 3/12 auto
set port speed 3/13 auto
set port duplex 3/13 auto
set port speed 3/14 auto
set port duplex 3/14 auto
set port speed 3/15 auto
set port duplex 3/15 auto
set port speed 3/16 auto
set port duplex 3/16 auto
set port speed 3/17 auto
```

```
set port duplex 3/17 auto
set port speed 3/18 auto
set port duplex 3/18 auto
!
set vlan 111 name backbone1
set vlan 112 name backbone2
set vlan 113 name backbone3
set vlan 15 name pix1outsidevlan
set vlan 7 name r7e0vlan
set vlan 6 name r6e0vlan
set vlan 4 name r4e0vlan
set vlan 22 name pix2outsidevlan
set vlan 11 name pix1dmzvlan
!
set interface sc0 150.50.111.90 255.255.255.0
set interface sc0 111
set ip route default 150.50.111.11 primary
!
set ip permit enable
set ip permit 150.50.0.0 255.255.0.0
!
```

pix1config

```
-----
pix1(config)#
!
hostname pix1
interface e0 auto
interface e1 auto
interface e3 auto
!
nameif e0 outside sec0
nameif e1 inside sec100
nameif e3 fover sec10
!
ip address outside 192.168.15.11 255.255.255.0
ip address inside 150.50.111.11 255.255.255.0
ip address fover 10.10.10.11 255.255.255.0
!
nat (inside) 1 0 0
global (outside) 1 150.50.15.150-150.50.15.160 255.255.255.0
global (outside) 1 150.50.111.50
!
rip outside passive version 2
rip outside default version 2
rip inside passive version 1
!
route outside 0 0 150.50.15.1
!
!static and conduit for aaa/ca server
static (inside,outside) 100.100.100.100 150.50.111.100
conduit permit ip host 100.100.100.100 0 0
!
```

```
!static and conduit for tftp server
static (inside,outside) 100.100.100.101 150.50.111.101
conduit permit tcp host 100.100.100.101 eq tftp 0 0
!
failover
failover outside 192.168.15.12
failover inside 150.50.111.12
failover fover 10.10.10.12
failover link
:
:end
```

pix2config

```
-----
pix2(config)#
!
hostname pix2
!
interface e0 auto
interface e1 auto
interface e3 auto
!
nameif e0 outside sec0
nameif e1 inside sec100
nameif e3 fover sec10
!
ip address outside 192.168.15.12 255.255.255.0
ip address inside 150.50.111.12 255.255.255.0
ip address fover 10.10.10.12 255.255.255.0
!
failover
failover outside 192.168.15.11
failover inside 150.50.111.11
failover fover 10.10.10.11
failover link
:
:end
```