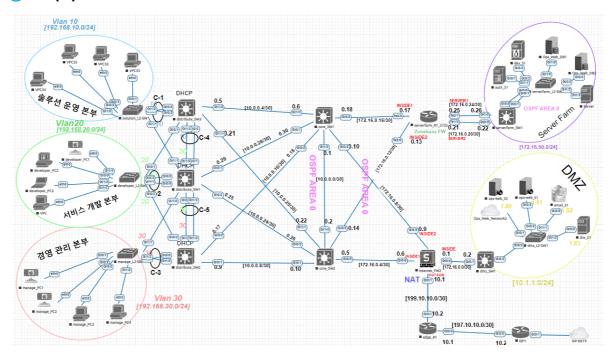
# 새둘(주) - 장비설정 기술문서

# ∰ 새둘(주) - 본사 네트워크



# 🌕 네트워크 엔터프라이즈

#### Core SW

# Gore\_SW1

#### Gore\_SW2

e1. L3 인터웨이스 구성 및 라우팅 설정 ip routing ! int g1/0 no sw ip add 10.0.0.2 255.255.255.252 no sh ! int g1/1 no sw ip add 10.0.0.10 255.255.255.252 no sh ! int g1/1 no sw ip add 10.0.0.22 255.255.255.252 no sh ! int g0/2 no sw ip add 10.0.0.22 255.255.255.252 no sh ! int g0/2 no sw ip add 10.0.0.26 255.255.255.252 no sh ! int g0/2 no sw ip add 10.0.0.26 2.50.0.0 area 0 network 10.0.0.10 0.0.0.0 area 0 network 10.0.10 0.0.0.0 area 0 network 10.0.0.26 0.0.0 area 0 network 10.0.0.26 0.0.0.0 area 0

# ⊕ ☑ HQ\_VPN

```
en

conf t
!
Int ge/0
ip add 172.16.0.13 255.255.255.0
no sh
!
Int ge/1
ip add 10.10.12.2 255.255.255.0
no sh
!
Int ge/2
ip add 10.10.12.2 255.255.255.0
no sh
!
Int ge/2
ip add 10.10.23.1 255.255.255.0
no sh
!
!
router eigrp 10
network 172.16.0.13 0.0.0 area 0
! 1. MGRE 월8
int tunnel sor eigrp 10
network 172.16.0.13 0.0.0 area 0
! 1. MGRE 월8
Int tunnel eigrp 10
network 172.16.0.13 0.0.0 area 0
! 1. MGRE 월8
ip add 10.100.1.1 255.255.255.0
tunnel source 172.16.0.13
tunnel mode gre multipoint
tunnel wode gre multipoint
tunnel key 10
! 2. nhrp 설월
ip nhrp authentication cisco
ip nhrp network.id 10
ip nhrp network.id 10
ip nhrp nottime 600
ip nhrp map multicast dynamic
no ip next-hop eigrp 10
crypto isakem policy 10
authentication pre-share
encryption aes
exit
! 3. ipsec 월 crypto profile 월8
crypto isakem key cisco address 8.0.0.0 0.0.0
crypto ipsec transform-set ts_HQ--Branch_VPN
set transform-set ts_HQ--Branch_VPN
set transform-set ts_HQ--Branch_VPN
!
```

#### Distribute SW

#### 

```
!-- distribute_SW1(개발)
 01. vlan 10, 20, 30 생성
vlan 10
vlan 20
  vlan 30
  exit
  02. vlan 멤버 추가
  int range g0/0, g0/3
  sw mo ac
sw ac vla 20
  no sh
  exit
  int g1/1
  sw mo ac
sw ac vla 10
no sh
  exit
  int g1/0
  sw mo ac
sw ac vla 30
no sh
! int range g1/3, g2/1 sw tr en do sw mo tr sw tr al vl 10,20 sw tr na vl 99 sw non no sh exit
 ! int range g1/2, g2/0 sw tr en do sw mo tr sw tr al vl 20,30 sw tr na vl 99
  sw non
  exit
 03. STP 확인 조정
 spanning-tree mode pvst
spanning-tree vlan 20 root primary
spanning-tree vlan 10 root secondary
spanning-tree vlan 30 root secondary
 04. InterVlan Routing 설정
 int vtan 10
ip add 192.168.10.253 255.255.255.0
no sh
exit
  !
int vlan 20
ip add 192.168.20.254 255.255.255.0
no sh
exit
 !
int vlan 30
ip add 192.168.30.253 255.255.255.0
no sh
exit
05. 이더 채널 구성
int range g0/0, g0/3
channel-group 2 mode desirable
 int range g1/3, g2/1
channel-group 4 mode desirable
  int range g1/2, g2/0
channel-group 5 mode desirable
06. HSRP 설정
int vlan 20
standby 20 ip 192.168.20.251
standby 20 priority 110
standby 20 preempt
standby 20 authentication 1qaz@wsx
standby version 2
exit
  int vlan 10
 int vlan 10
standby 10 ip 192.168.10.251
standby 10 priority 90
standby 10 preempt
standby 10 authentication 1qaz@wsx
standby version 2
exit
or. DHLP 설정
ip dhcp excluded-address 192.168.20.1 192.168.20.20
ip dhcp pool solution
network 192.168.20.0 255.255.255.0
default-router 192.168.20.251
dns-server 8.8.8.8
lease 7 8 0
```

#### 

```
!-- distribute_SW2(경영관리)
 01. vlan 20, 30 생성
vlan 20
vlan 30
 exit
 02. vlan 멤버 추가
int range g0/0, g1/0
 sw mo ac
sw ac vla 30
no sh
 exit
 int g0/3
 sw mo ac
sw ac vla 20
no sh
exit
! int range g1/1 - 2 sw tr en do sw mo tr sw tr al vl 20,30 sw tr na vl 99 sw non no sh exit!
  04. InterVlan Routing 설정
 int vlan 30
ip add 192.168.30.254 255.255.255.0
  exit
 05. 이더 채널 구성
int range g0/0, g1/0
channel-group 3 mode desirable
  int range g1/1 - 2
channel-group 5 mode desirable
06. HSRP 설정 int Vlan 10 standby 10 ip 192.168.10.251 standby 10 priority 90 standby 10 preempt standby 10 authentication 1qaz@wsx standby version 2 exit
 ! int vlan 30 standby 30 ip 192.168.30.251 standby 30 priority 110 standby 30 preempt standby 30 authentication 1qaz@wsx standby version 2
ur. DHCP 설정
ip dhcp excluded-address 192.168.30.1 192.168.30.20
ip dhcp pool design
network 192.168.30.0 255.255.255.0
default-router 192.168.30.251
dns-server 8.8.8.8
lease 7 0 0
08. OSPF 설정
int g0/1
no sw
ip add 10.0.0.9 255.255.255
no sh
  int g0/2
  ip add 10.0.0.17 255.255.255.252
no sh
 !
router ospf 10
network 10.0.0.9 0.0.0.0 area 0
network 10.0.0.17 0.0.0.0 area 0
network 10.0.17 0.0.0.0 area 0
network 192.168.30.254 0.0.0.0 area 0
network 192.168.20.253 0.0.0.0 area 0
```

#### ☐ distribute\_SW3

```
!-- distribute_SW3(솔루션)
  01. vlan 10, 20 생성
  exit
02. vlan 멤버 추가
int range g0/0, g0/2
 sw mo ac
sw ac vla 10
no sh
 exit
 int g0/1
 sw mo ac
sw ac vla 20
no sh
exit
! int range g0/3, g1/3 sw tr en do sw mo tr sw tr al vl 19,20 sw ron no sh
 03. STP 확인 조정
spanning-tree mode pvst
spanning-tree vlan 10 root primary
spanning-tree vlan 20 root secondary
  04. InterVlan Routing 설정
 int vlan 10
ip add 192.168.10.254 255.255.255.0
no sh
  int vlan 20
ip add 192.168.20.252 255.255.255.0
  exit
 05. 이더 채널 구성
int range g0/0, g0/2
channel-group 1 mode desirable
  int range g0/3, g1/3
channel-group 4 mode desirable
06. HSRP 설정 int vlan 10 standby 10 ip 192.168.10.251 standby 10 priority 110 standby 10 preempt standby 10 authentication 1qaz@wsx standby version 2 exit
 ! int vlan 20 standby 20 ip 192.168.20.251 standby 20 priority 90 standby 20 preempt standby 20 authentication 1qaz@wsx standby version 2
ម/. OHCP ង់ខ្លី
ip dhcp excluded-address 192.168.10.1 192.168.10.20
ip dhcp pool manage
network 192.168.10.0 255.255.255.0
default-router 192.168.10.251
des-server 8.8.8.8
lease 7 0 0
 08. OSPF 설정
int g1/1
  ip add 10.0.0.21 255.255.255.252
no sh
  int g1/2
  ip add 10.0.0.5 255.255.255.252
no sh
 ! router ospf 10 network 10.0.0.21 0.0.0.0 area 0 network 10.0.0.5 0.0.0.0 area 0 network 192.168.10.254 0.0.0.0 area 0 network 192.168.20.252 0.0.0.0 area 0
```

```
1

68. OSPF 설정

int g0/1

no SW

ip add 10.0.0.29 255.255.255.252

no sh

!

Int g0/2

no SW

ip add 10.0.0.25 255.255.252

no sh

!

router ospf 10

network 10.0.9.29 0.0.0.8 area 0

network 19.0.25 0.0.0.0 area 0

network 192.168.30.255 0.0.0.0 area 0
```

# Access SW

#### ∠ L2\_SW\_solution

```
e1. VLAN 19 생성
vlan 10
exit
!

e2. VLAN 멤버 추가
int range g6/0 - 3, g1/0 - 2
SW mo ac
SW ac vla 19
no sh
exit
!

e3. STP 설정
spanning-tree mode pvst
!

e4. 이더 채널 구성
int range g6/0, g1/2
channel-group 1 mode desirable
!

e5. AAA 설정
aan ew-model
!

tacacs server TACACS
add ipv4 192.168.10.100
key cisco
single-connection
!
aaa authentication login Authen group tacacs+
aaa accounting exec Account_exec start-stop group tacacs+
iaaa accounting exec Account_exec start-stop group tacacs+
!
!
line vty 0 4
transport input ssh
login authentication Authen
authorization exec Author
accounting commands 15 Account_commands
accounting commands 15 Account_commands
accounting exec Account_exec exit
!
```

# ∠ L2\_SW\_developer

```
81. VLAN 28 생성
vlan 28
exit
!

82. VLAN 멤버 추가
int range ge/0 - 3, g1/0 - 3
SW mo ac
SW ac vla 20
no sh
exit
!

83. STP 설정
spanning-tree mode pvst
!

84. 이덕 채널 구성
int range ge/3, g1/1
channel-group 2 mode desirable
!
```

# 

```
e1. VLAN 30 생성
vlan 30
exit
!

e2. VLAN 멤버 추가
int range ge/0 - 3, gi/0 - 2
sw mo ac
sw ac vla 30
no sh
exit
!

e3. STP 설정
spanning-tree mode pvst
!

e4. 이더 제널 구설
int range ge/0, gi/2
channel-group 3 mode desirable
!
```

# HOST

# design\_PC1-4 :: solution\_PC1-4 :: manage\_PC1-4

ip dhcp -r

# 🌕 네트워크 도입부 및 DMZ

# Outside

#### dge\_R1

```
!--IOS BASIC CONFIG
hostname edge_Ri
!
enable secret cisco
!
ip domain-name yycloud.net
!
no ip domain-lookup
!
banner motd ^
This is a edge_Ri
^
!
username user01 secret cisco
username admin privlege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
!
line con 0
exec-timeout 0
logging sync
```

#### ISP1

```
|-- ISP1 Router Basic Config
| hostname ISP1
| enable secret cisco
| domain-name yycloud.net
| ip domain-lookup
| hostname is a ISP1 Router.
| hostname is a ISP1 Router.
| username user01 secret cisco
| username admin privlege 15 secret cisco
| ip ssh version 2
| ip ssh time-out 30
| crypto key generate rsa general-keys modulus 1024
| line con 0
| exec-timeout 0
| logging sync
```

```
login local
exit
!
line vty 0 4
exec-timeout 0
loging sync
transport input ssh
login local
exit
!
!-- INTERFACE IP CONFIG
!
int g0/0
ip add 197.10.10.1 255.255.255.252
no sh
exit
int g0/1
ip add 199.10.10.2 255.255.255.252
no sh
exit
int g0/2
ip add 198.10.10.1 255.255.255.252
no sh
exit
!
!-- Static Routing Config
ip route 172.16.0.0 255.255.255.252 g0/1 199.10.10.1
ip route 10.1.1.0 255.255.255.25 g0/1 199.10.10.1
```

# DMZ

#### 

```
!-- L2 Switch Basic Config
hostname dmz_L2SW1
! enable secret cisco
!
ip domain-name yycloud.net
!
no ip domain-lookup
!
banner motd ^
This is a dmz_L2SW1 L2 switch.
^
'
username user01 secret cisco
username admin privilege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
!
line con 0
exec-timeout 0
logging sync
login local
exit
!
line vty 0 4
exec-timeout 0
logging sync
transport input ssh
login local
exit
exit
!
```

## dmz\_R1

```
!-- dmz_R1 Router Basic Config
enable secret cisco
ip domain-name yycloud.net
no ip domain-lookup
This is a dmz_R1 router.
username user01 secret cisco
username admin privilege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
!
line vty 0 4
exec-timeout 0
logging sync
transport input ssh
login local
exit
!
!-- 인터페이스 설정
int g0/1
  ip add 172.16.0.2 255.255.255.0 no sh
   exit
int g0/2
ip add 10.1.1.254 255.255.255.0
  no sh
exit
!
!-- OSPF 설정
router ospf 50
network 10.1.1.254 0.0.0.0 area 0
  network 172.16.0.2 0.0.0.0 area 0
:
!-- 기본 게이트웨이 설정
ip default-gateway 172.16.0.1
```

#### ns\_S1

```
!-- IOS Basic Config
hostname dns_51
!
enable secret cisco
!
ip domain-name yycloud.net
!
no ip domain-lookup
!
banner motd ^
This is a dns_S1 router.
^
!
username user01 secret cisco
username admin priv1lege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
!
line con 0
evec-timeout 0
logging sync
login local
exit
```

#### email\_S1

```
| I-- IOS Basic Config |
| hostname email_Si |
| enable secret cisco |
| ip domain-name yycloud.net |
| ip domain-lookup |
| banner motd ^
| This is a email_Si router.
| ^
| !
| username user01 secret cisco |
| username admin privlege 15 secret cisco |
| ip ssh version 2 |
| ip ssh tre-out 30 |
| crypto key generate rsa general-keys modulus 1024 |
| line con 0 |
| exec-timeout 0 |
| logging sync |
| login local |
| exit
```

```
!
line vty 0 4
exec-timeout 0
logging sync
transport input ssh
login local
exit
!
!-- IP 리우팅 테이블 설정
int 명/우
ip add 10.1.1.83 255.255.255.0
no sh
exit
!
ip route 0.0.0.0 0.0.8.9 g0/0 10.1.1.254
!
```

## ops-web\_S1

```
!-- IOS Basic Config
hostname ops-web_51
!
enable secret cisco
!
jp domain-name yycloud.net
!
no ip domain-lookup
!
banner motd ^
This is a ops-web_S1 router.
^
'
username user@1 secret cisco
username damin privilege 15 secret cisco
!
username damin privilege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
!
line con @
exec-timeout @
logging sync
login local
exit
!
line vty @ 4
exec-timeout @
logging sync
transport input ssh
login local
exit
!
!-- IP 및 라우팅 테이블 설정
int g@/3
ip add 10.1.1.81 255.255.255.0
no sh
exit
!
ip route @ 0.0.0.0 @ 0.0.0.0 g@/3 10.1.1.254
!
!-- Web Server On
ip http server
```

#### ops-web\_S2

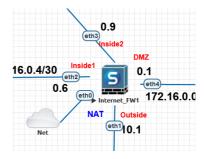
```
!-- IOS Basic Config
hostname ops-web_S2
!
enable secret cisco
!
ip domain-name yycloud.net
!
no ip domain-lookup
!
banner motd ^
This is a ops-web_S2 router.
^
'
username user01 secret cisco
username admin privilege 15 secret cisco
!
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1924
!
line con 0
exec-timeout 0
logging sync
login local
exit
!
line vty 0 4
exec-timeout 0
logging sync
transport input ssh
login local
exit
!
!-- IP 및 라우팅 테이블 설정
int g6/0
ip add 10.1.1.80 255.255.255.0
no sh
exit
!
proute 0.0.0 0.0.0 0.0.0 g6/0 10.1.1.254
!
--- Web Server On
ip http server
```

### FireWall

# Internet\_FW1 (ACL)



#### Internet\_FW1 (sophos)



# 인터페이스

구역 이름	소포스 인터페이스	도면 인터페이스	인터페이스 IP
OUTSIDE	eth1	g0/1	199.10.10.1/30
INSIDE 1	eth2	g0/0	172.16.0.6/30
INSIDE 2	eth3	g0/3	172.16.0.9/30
DMZ	eth4	g0/4	172.16.0.1/30



Sophos UTM 노드에서 eth 0은 관리 목적으로 사용하며, https://192.168.3.118:4444 로 관리

# 정책

Sources	Services	Destinations	Action

Sources	Services	Destinations	Action
OUTSIDE(Network)	HTTPS, SSH, VPN Protocols	DMZ(Network)	Allow
DMZ(Network)	MySQL	INSIDE(Network)	Allow
DMZ(Network)	HTTPS	INSIDE(Network)	Drop
INSIDE(Network)	HTTPS, SSH	OUTSIDE(Network)	Allow
OUTSIDE(Network)	HTTPS, SSH	INSIDE(Network)	Allow



INSIDE1 및 INSIDE2는 같은 INSIDE로 간주

#### StaticRouting 설정

Route Type	대상 Network	출발 Interface
Interface	10.1.1.0/24	DMZ
Interface	197.10.10.0/30	OUTSIDE
Interface	198.10.10.0/30	OUTSIDE

#### OSPF 설정

#### interface

OSPF 인터페이스	사용 인터페이스
OUTSIDE_OSPF	eth1
INSIDE1_OSPF	eth2
INSIDE2_OSPF	eth3
INSIDE_OSPF	eth4

#### Area

area-id	0.0.0.0
connect-vid-interface	OUTSIDE_OSPF, INSIDE1_OSPF, INSIDE2_OSPF, INSIDE_OSPF

#### Global

Router-id	172.16.0.0

# SERVER\_FARM

#### 3 ↔ serverfarm\_SW1

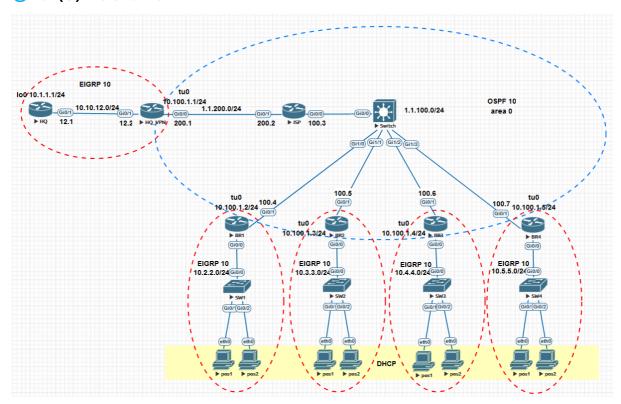
```
!--IOS BASIC CONFIG
hostname serverfarm_SW1
  enable secret cisco
 ip domain-name yycloud.net
 no ip domain-lookup
  This is serverfarm_SW1
  username user01 secret cisco
username admin privilege 15 secret cisco
  :
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
  !
line con 0
exec-timeout 0
logging sync
login local
exit
  line vty 0 4
exec-timeout 0
logging sync
    transport input ssh
login local
  !
!-- INTERFACE IP CONFIG
  int g1/0
 no switchport
ip add 172.16.0.22 255.255.252
no sh
  int g0/1
 no switchport
ip add 172.16.50.254 255.255.255.0
no sh
  !-- PORT CHANNEL SETTING
  !-- port CHANNEL SETTING
!--int port-channel 16
!--no switchport
!--ip add 172.16.0.22 255.255.255.252
!--int g1/0
```

# 

```
!--IOS BASIC CONFIG
hostname serverfarm_R
enable secret cisco
ip domain-name yycloud.net
no ip domain-lookup
banner motd ^
This is a serverfarm_R1
username user01 secret cisco
username admin privilege 15 secret cisco
:
ip ssh version 2
ip ssh time-out 30
crypto key generate rsa general-keys modulus 1024
line con 0
exec-timeout 0
logging sync
login local
!
line vty 0 4
exec-timeout 0
logging sync
transport input ssh
login local
!
!-- INTERFACE IP CONFIG------
!-- INSIDE2
int f2/0
ip add 172.16.0.13 255.255.255
!-- INSIDE1
int f0/0
ip add 172.16.0.17 255.255.255.252
no sh
I-- SERVER1
int f0/1
in add 172.16.0.21 255.255.255.252
no sh
```

```
!--no switchport
!--channel-group 16 mode desirable
!--int g0/2
!--channel-group 16 mode desirable
!--do sh etherchannel summary
!
!-- OSFF
router ospf 100
network 172.16.0.22 0.0.0.0 area 0
network 172.16.59.254 0.0.0.0 area 0
```

# ∰ 새둘(주) - 지사 네트워크



# 🌕 네트워크 도입부

#### ⊕ ☑ HQ\_VPN (config-1)

### ⊕ ▼ HQ\_VPN (config-2)

hostname HQ\_VPN

crypto isakmp policy 10
encr aes
authentication pre-share
crypto isakmp key cisco address 0.0.0

crypto ipsec transform-set ts\_HQ->Branch esp-aes esp-sha-hmac

HQ\_VPN(config)#router eigrp 10
HQ\_VPN(config-router)#no auto-summary
HQ\_VPN(config-router)#network 10.10.12.2 0.0.0.0
HQ\_VPN(config-router)#network 10.10.12.2 0.0.0.0
HQ\_VPN(config)#int tunnel 0
HQ\_VPN(config)#int tunnel 0
HQ\_VPN(config)#int tunnel 0
HQ\_VPN(config)#int tunnel 0
HQ\_VPN(config-if)#ip add 10.100.1.1 255.255.255.0
HQ\_VPN(config-if)#ip harp authentication cisco
HQ\_VPN(config-if)#funnel source 11.200.1
HQ\_VPN(config-if)#funnel source 11.200.1
HQ\_VPN(config-if)#funnel mode gre multipoint
HQ\_VPN(config-if)#funnel mode gre multipoint
HQ\_VPN(config-if)#ip hrp network-id 10
HQ\_VPN(config-if)#ip hrp network-id 10
HQ\_VPN(config-if)#ip hrp holdtime 600
HQ\_VPN(config-if)#ip nip hext-hop eigrp 10
HQ\_VPN(config-if)#ip nip next-hop eigrp 10
HQ\_VPN(config-isamp)#suthentication pre-share
HQ\_VPN(config-isamp)#suthentication pre-share
HQ\_VPN(config-isamp)#suthentication pre-share
HQ\_VPN(config)#orypto isakmp key cisco address 0.0.8.0 0.8.0
HQ\_VPN(config)#orypto isakmp key cisco address 0.0.8.0
HQ\_VPN(config)#orypto isakmp key cisco ad

#### ISP

ISP(config)#int g8/8

ISP(config-if)#ip add 1.1.100.2 255.255.255.0

ISP(config-if)#ip add 1.1.100.2 255.255.255.0

ISP(config-if)#int g8/1

ISP(config-if)#int g8/1

ISP(config-if)#in add 1.1.200.2 255.255.255.0

ISP(config-if)#in sh

ISP(config-if)#in g8/0

ISP(config-if)#in add 1.1.100.3 255.255.255.0

ISP(config-if)#in add 1.1.100.3 255.255.255.0

ISP(config-if)#router ospf 10

ISP(config-if)#outer ospf 10

ISP(config-router)#network 1.1.100.3 0.0.0.0 area 0

ISP(config-router)#network 1.1.200.2 0.0.0.0 area 0

crypto ipsec profile pf\_HQ\_Branch\_VPN
set transform-set ts\_HQ.-Branch

Interface Tunnel0
ip address 10.100.1.1 255.255.255.0
no ip redirects
ip nhrp authentication cisco
ip nhrp map multicast dynamic
ip nhrp network-id 10
ip nhrp holdtime 600
tunnel source 172.16.0.13
tunnel mode gre multipoint
tunnel mode gre multipoint
tunnel lord edigobitEthernet0/0
ip address 172.16.0.13 255.255.255.0

interface GigabitEthernet0/1
ip address 10.10.12.2 255.255.255.0

interface GigabitEthernet0/2
ip address 10.10.23.1 256.255.255.0

interface GigabitEthernet0/2
ip address 10.10.23.1 256.255.255.0

interface GigabitEthernet0/2
ip address 10.10.23.1 256.255.255.0

interface GigabitEthernet0/2
ip address 10.10.22.2 256.255.255.0

interface GigabitEthernet0/2
ip address 10.10.22.2 256.255.255.0

interface GigabitEthernet0/2
ip address 10.10.12.2 256.255.255.0

int

#### **₩** HQ

HQ(config)#int g0/1
HQ(config-if)#in add 10.10.12.1 255.255.255.0
HQ(config-if)#no sh
HQ(config-if)#int too
HQ(config-if)#int too
HQ(config-if)#in add 10.1.1.1 255.255.255.
HQ(config-router eigrp 10
HQ(config-router)#no auto-summary
HQ(config-router)#network 10.1.1.1 0.0.0.0
HQ(config-router)#network 10.1.1.1 0.0.0.0

# 🌕 지사 네트워크 엔터프라이즈

#### Branch

#### **™** BR1

Router>en
Router(##conf t
Router(#conf t)
Router(config)#host BR1
RRI(config)#line con 0
BRI(config)#line con 0
BRI(config)#line con 0
BRI(config)#line con 0
BRI(config)#line percertimeout 0
BRI(config)#router ospf 10
BRI(config)#router ospf 10
BRI(config)#router eigrp 10
BRI(config)#router percertimeout 10
BRI(config)#router percertimeout 10
BRI(config)#router percertimeout 10
BRI(config)#line percertimeout 10
BRI(conf

# **™** BR2

I.- 기본 설정
Router>en
Router(config)#host BR2
BR2(config)#host pdomain-lookup
BR2(config)#line con 0
BR2(config)#line con 0
BR2(config)#line pexce-timeout 0
BR2(config-line)#looging sync
I.- 인터웨이스 설정
BR2(config)#jint gg/9
BR2(config)#jint gg/9
BR2(config)#jint gg/9
BR2(config)#jint gg/9
BR2(config)#jint gg/1
BR2(config)#jint gg/1
BR2(config)#jint gg/1
BR2(config)#router osf 10
BR2(config)#router osf 10
BR2(config)#router osf 10
BR2(config)#router eigrp 10
BR2(config)#router eigrp 10
BR2(config)#router with 1.1.100.4 0.0.0 area 0
I.- EIGRP 설정
BR2(config)#router igno auto-summary
BR2(config-router)#mentwork 1.0.3.3.254 0.0.0
BR2(config)#jint tunnel 0
BR2(config)#jint tunnel with 1.00.1.3 0.0.0
BR2(config)#jint tunnel with 1.00.5
BR2(config)#jint phrp mp authentication cisco
BR2(config)#jint phrp mp authentication disco
BR2(config)#jint phrp mp authentic

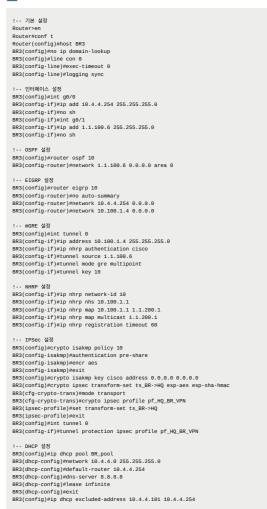
```
BRI(ipsec-profile)#exit
BRI(config)#int tunnel 8
BRI(config)#int tunnel 8
BRI(config)#ip tunnel protection ipsec profile pf_HQ_BR_VPN

!-- DHCP 설정
BRI(config)#ip dhcp pool BR_pool
BRI(dhcp-config)#default-router 10.2.2.0 255.255.255.0
BRI(dhcp-config)#default-router 10.2.2.254
BRI(dhcp-config)#desse infinite
BRI(dhcp-config)#ease infinite
BRI(dhcp-config)#ease infinite
BRI(dhcp-config)#exis tunnel BRI(dhcp-config)#exi
```

BR2(ipsec-profile)#exit
BR2(config)#int tunnel 0
BR2(config)#int protection ipsec profile pf\_HQ\_BR\_VPN

!-- DHCP 설정
BR2(config)#ip dhcp pool BR\_pool
BR2(dhcp-config)#dretwork 10.3.3.0 255.255.255.0
BR2(dhcp-config)#drefault-router 10.3.3.254
BR2(dhcp-config)#drefault-router 8.8.8.8
BR2(dhcp-config)#exis-server 8.8.8.8
BR2(dhcp-config)#exis-server 8.8.8.1
BR2(dhcp-config)#Exis Infinite
BR2(dhcp-config)#Exis Infinite
BR2(config)#ip dhcp excluded-address 10.3.3.101 10.3.3.254

#### **BR3**



# BR4 !-- 기본 설 Router>en

Routersonf t
Router(config) whost BR4
RR4(config) whost BR4
RR4(co

#### **ONLY**

#### **■** BR1\_1 - 4-2

VPCS> set pcname pos1\_1 - 4-2 pos1\_1> ip dhcp -r

새둘(주) - 장비설정 기술문서