

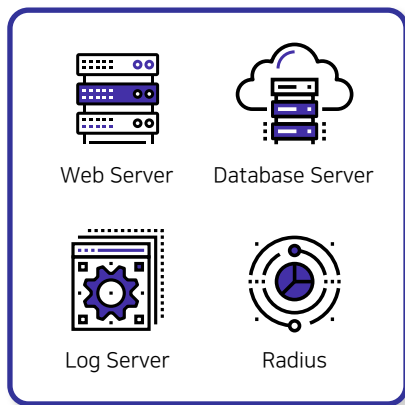
NAC EDU Chapter 3

구성 별 설정 방법

CONTENTS

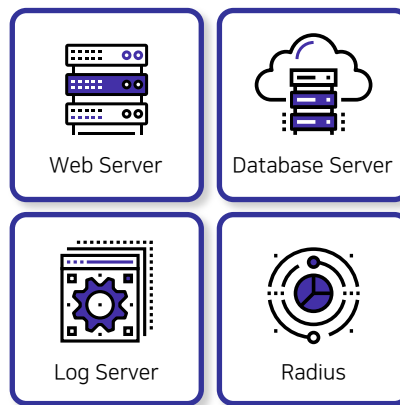
- 정책서버 구성 및 설정
- 정책서버 공통 설정
- 네트워크센서 구성 및 설정
- 무선센서 구성

정책서버 구성 및 설정



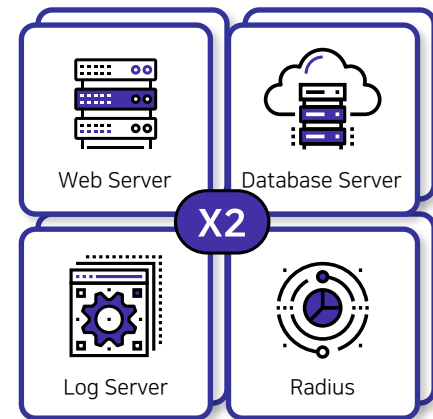
1. 단일 구성

하나의 장비에
정책서버를 구성하는 방식



2. 분리 구성

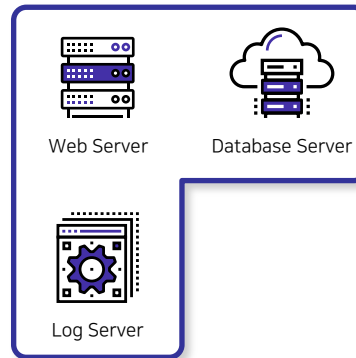
정책서버 구성 요소를
다수의 장비로 분리하여
구성하는 방식



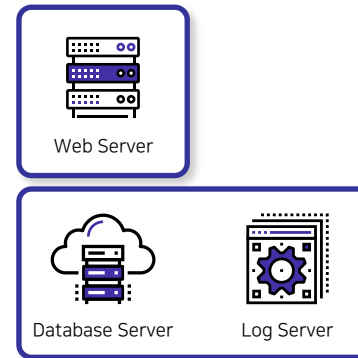
3. HA 구성

정책서버 구성 요소를
고가용성 보장을
우선시하여
구성하는 방식

1. Interactive Wizard 모드

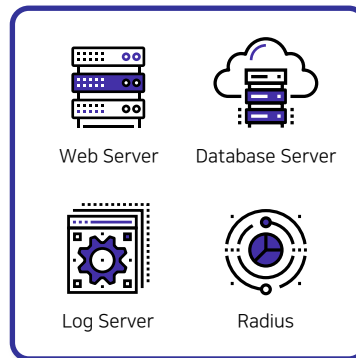
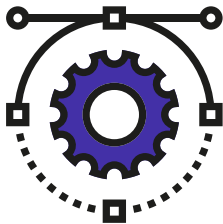


단일 구성

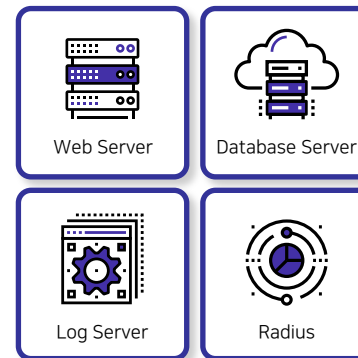


분리 구성

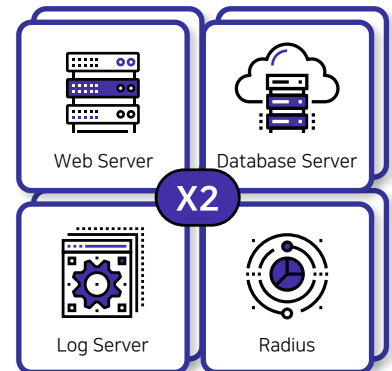
2. Manual Configuration 모드



단일 구성

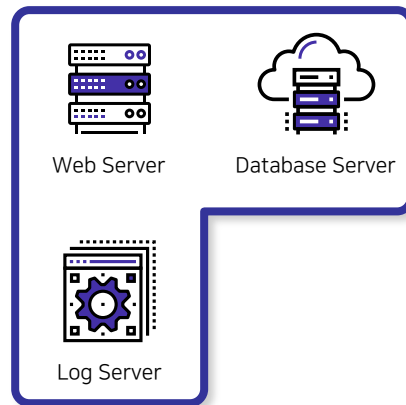


분리 구성



HA 구성

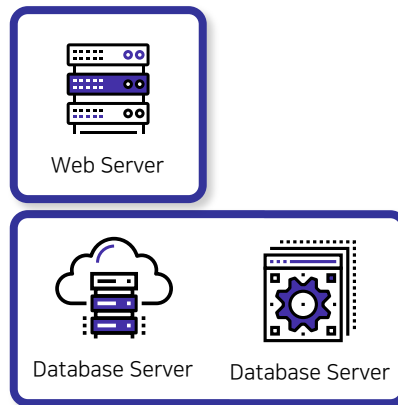
정책서버 세부 구성 - Interactive Wizard 모드



단일 구성

하나의 장비에
정책서버를 구성하는 방식

정책서버 세부 구성 - Interactive Wizard 모드



분리 구성

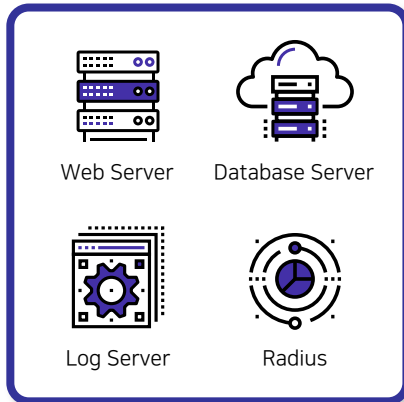
정책서버 구성 요소를
다수의 장비로 분리하여
구성하는 방식

세부 구성 - Manual 단일 구성

Genian NAC

정책서버 세부 구성 - Manual Configuration 모드

CASE 1



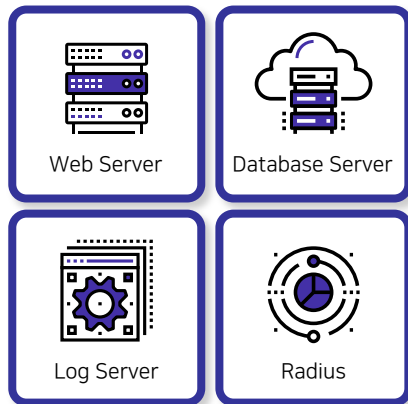
CASE 2



단일 구성

하나의 장비에
정책서버를 구성하는 방식

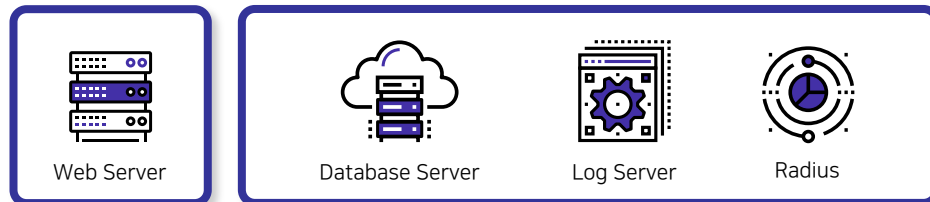
정책서버 세부 구성 - Manual Configuration 모드



분리 구성

정책서버 구성 요소를
다수의 장비로 분리하여
구성하는 방식

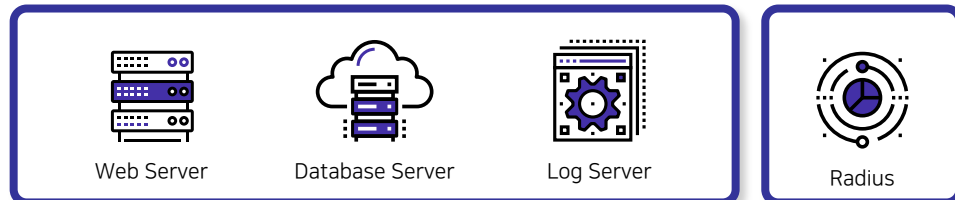
CASE 1



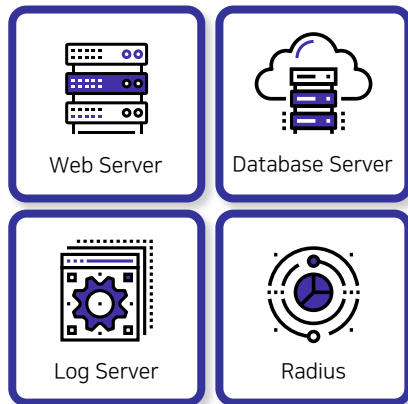
CASE 2



CASE 3



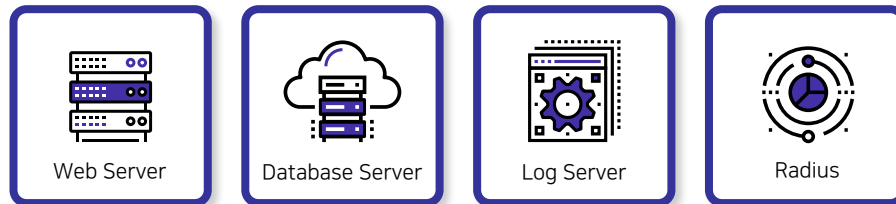
정책서버 세부 구성 - Manual Configuration 모드



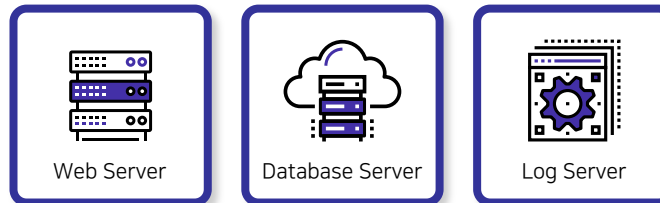
분리 구성

정책서버 구성 요소를
다수의 장비로 분리하여
구성하는 방식

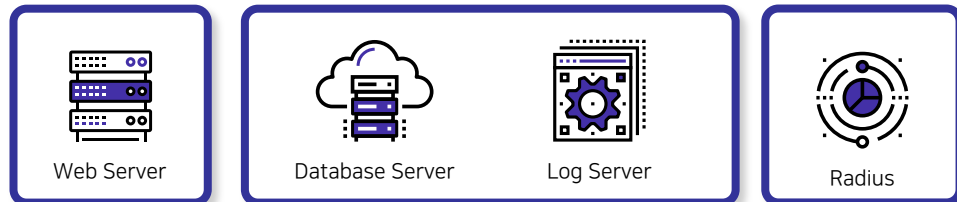
CASE 4



CASE 5

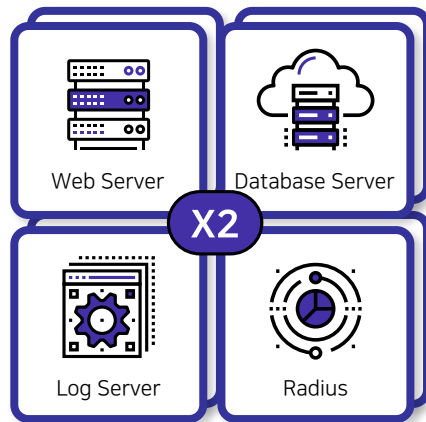


CASE 6



세부 구성 - Manual HA 구성

정책서버 세부 구성 - Manual Configuration 모드

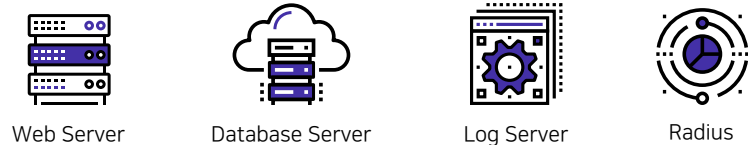


HA 구성

정책서버 구성 요소를
고가용성 보장을
우선시하여
구성하는 방식

CASE 1

X2



CASE 2

X2



CASE 3

X2



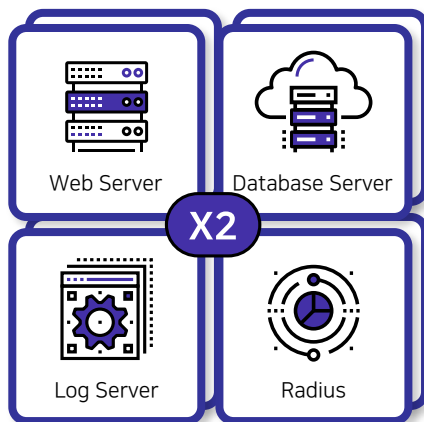
CASE 4

X2



세부 구성 - Manual HA 구성

정책서버 세부 구성 - Manual Configuration 모드

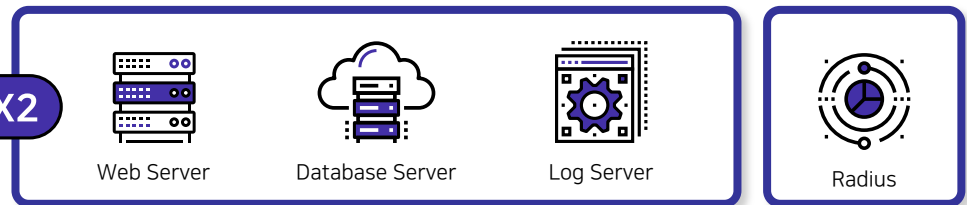


HA 구성

정책서버 구성 요소를
고가용성 보장을
우선시하여
구성하는 방식

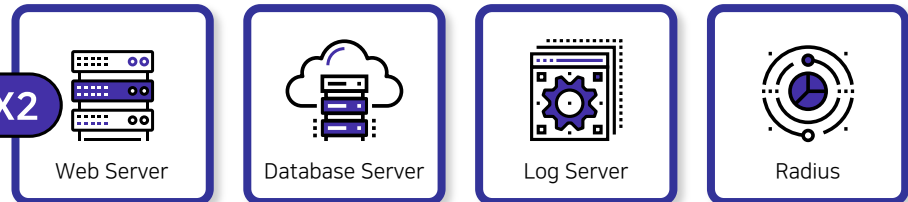
CASE 5

X2



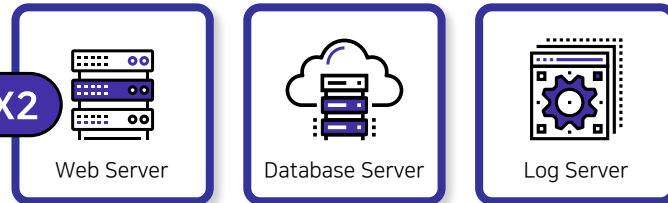
CASE 6

X2



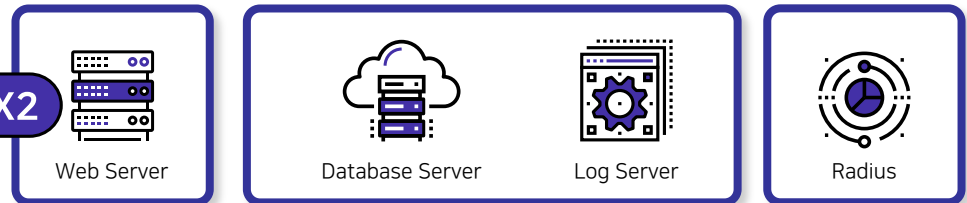
CASE 7

X2

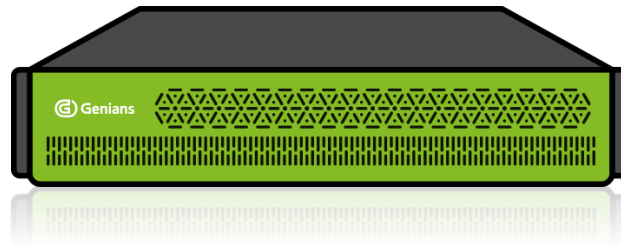


CASE 8

X2



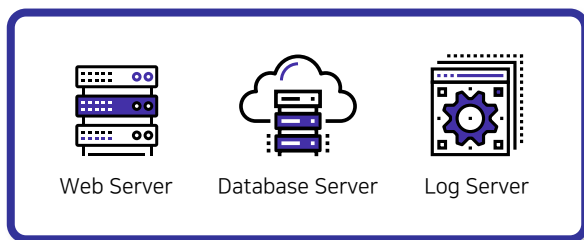
Interactive Wizard 모드 - 단일 구성 (WEB + DB + LOG)



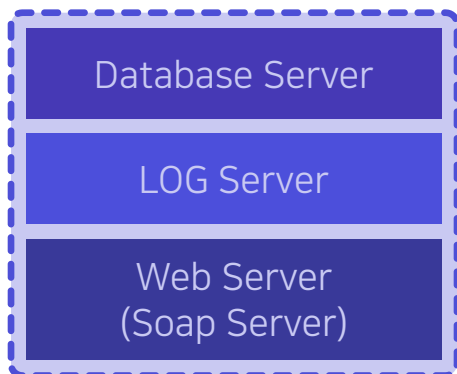
(WEB+DB+LOG)
172.29.40.110

※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

단일 구성 (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. 동작 모드 설정

Step 2. 동작 언어 설정

Step 3. 접속 계정 설정

Step 4. Timezone 설정

Step 5. Timezone(City) 설정

Step 6. NTP 설정

Step 7. Management interface 설정

Step 8. 802.1Q 사용여부 설정

Step 9. 인터페이스 IP 설정

Step 10. 인터페이스 서브넷 마스크 설정

Step 11. 인터페이스 게이트웨이 설정

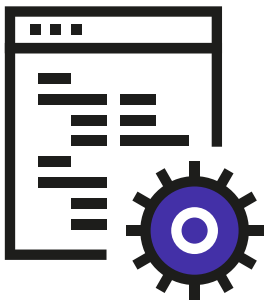
Step 12. DNS 서버 IP 설정

Step 13. 네트워크센서 사용여부 설정

Step 14. 전체 설정 확인

Step 15. Database Server 패스워드 변경

Interactive Wizard 컨피그 - 단일 구성 (WEB + DB + LOG)



data-server enable
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319
debug sensord category 0xffffffff
debug sensord field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

ip default-gateway [IP]
ip name-server [IP]

log-server enable
log-server cluster-name GENIAN (자동생성)

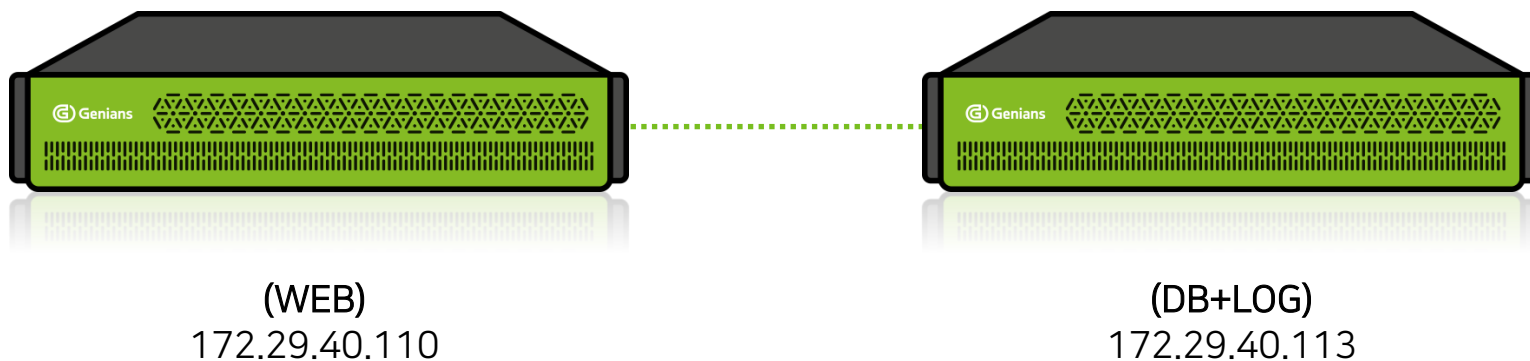
ntp server pool.ntp.org

system-locale ko

Wizard 모드 - 분리 구성

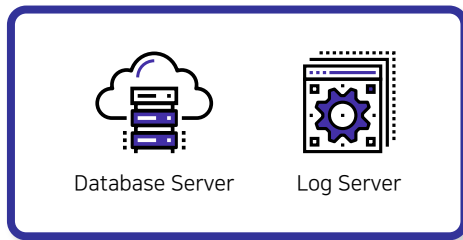
Genian NAC

Interactive Wizard 모드 - 분리 구성 (WEB / DB + LOG)

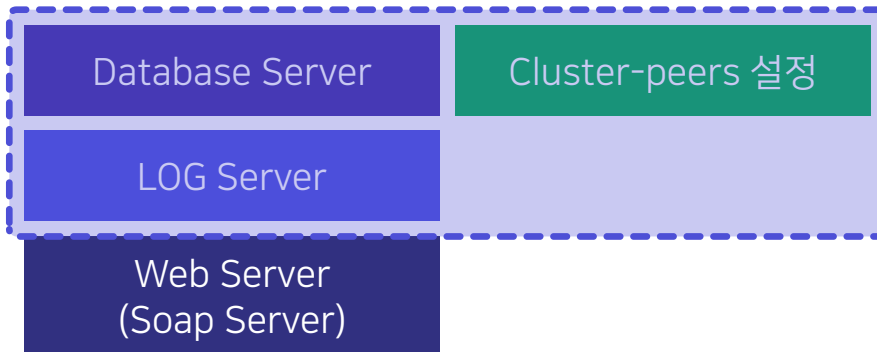


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

분리 구성 (DB + LOG)



※ 설정 시 진행 순서



Step 1. 동작 모드 설정

Step 2. 접속 계정 설정

Step 3. Timezone 설정

Step 4. Timezone(City) 설정

Step 5. NTP 설정

Step 6. Management interface 설정

Step 7. 802.1Q 사용여부 설정

Step 8. 인터페이스 IP 설정

Step 9. 인터페이스 서브넷 마스크 설정

Step 10. 인터페이스 게이트웨이 설정

Step 11. DNS 서버 IP 설정

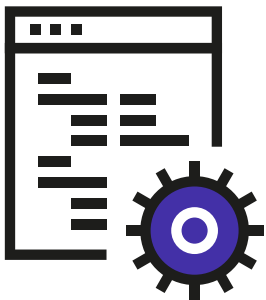
Step 12. 정책서버 IP 설정

Step 13. 전체 설정 확인

Step 14. Database Server 패스워드 변경

Step 15. LOG Server Cluster-peer 설정

Interactive Wizard 컨피그 - 분리 구성 (DB + LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319
debug sensord category 0xffffffff
debug sensord field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

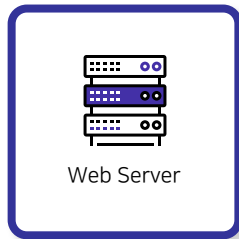
ip default-gateway [IP]
ip name-server [IP]

log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]

node-server ip [IP]

ntp server pool.ntp.org

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Step 1. 동작 모드 설정

Step 2. 동작 언어 설정

Step 3. 접속 계정 설정

Step 4. Timezone 설정

Step 5. Timezone(City) 설정

Step 6. NTP 설정

Step 7. Management interface 설정

Step 8. 802.1Q 사용여부 설정

Step 9. 인터페이스 IP 설정

Step 10. 인터페이스 서브넷 마스크 설정

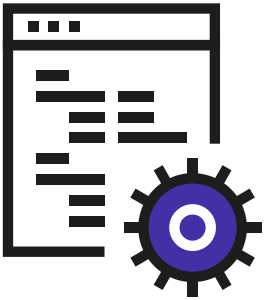
Step 11. 인터페이스 게이트웨이 설정

Step 12. DNS 서버 IP 설정

Step 13. 데이터베이스 설정

Step 14. 전체 설정 확인

Interactive Wizard 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

node-server ip [IP]

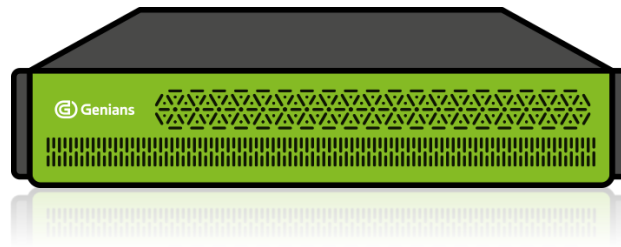
ntp server pool.ntp.org

system-locale ko

Manual 모드 - 단일 구성 CASE 1

Genian NAC

Manual Configuration 모드 - 단일 구성 (WEB + DB + LOG + RADIUS)

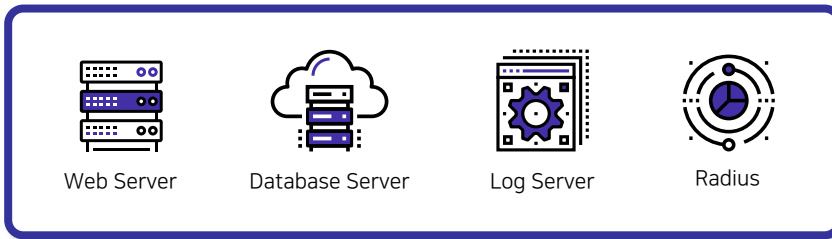


(WEB+DB+LOG+RADIUS)
172.29.40.121

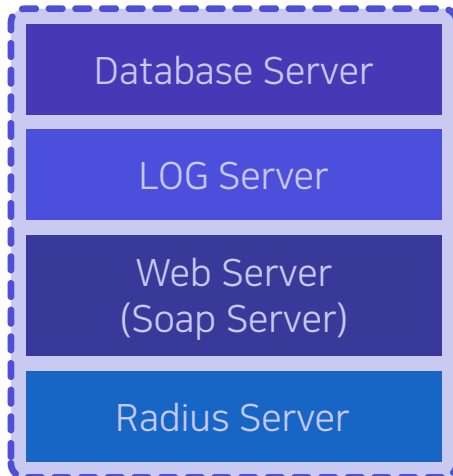
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - 단일 구성 CASE 1

단일 구성 (WEB + DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

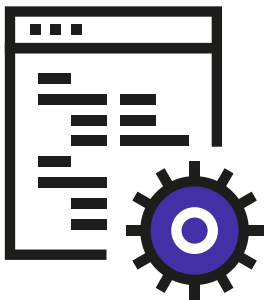
Step 7. Radius Server 설정

Step 8. 관리자 계정 설정

Manual 모드 - 단일 구성 CASE 1

Genian NAC

Manual Configuration 컨피그 - 단일 구성 (WEB + DB + LOG + RADIUS)



```
data-server enable
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
interface eth0 radius-server enable
```

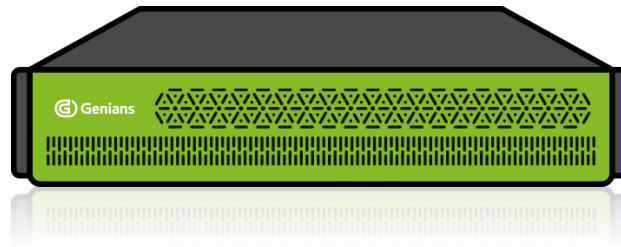
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server publish-port eth0
```

Manual 모드 - 단일 구성 CASE 2

Genian NAC

Manual Configuration 모드 - 단일 구성 (WEB + DB + LOG)



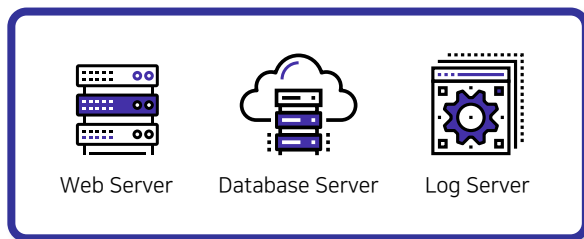
(WEB+DB+LOG)
172.29.40.121

※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

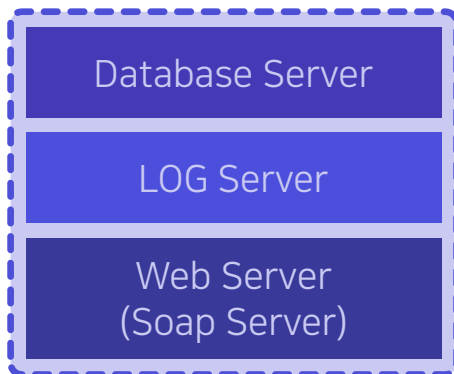
Manual 모드 - 단일 구성 CASE 2

Genian NAC

단일 구성 (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

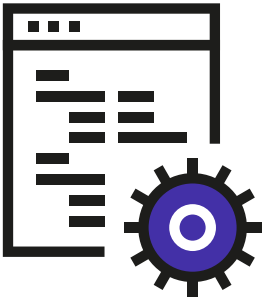
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - 단일 구성 CASE 2

Genian NAC

Manual Configuration 컨피그 - 단일 구성 (WEB + DB + LOG)



```
data-server enable
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug sensord category 0xffffffff
debug sensord field 0x319
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

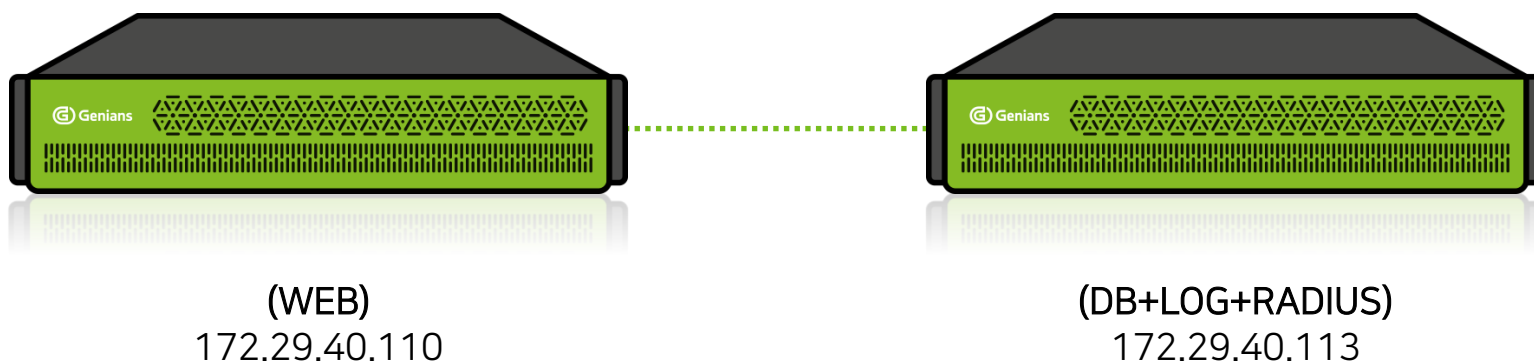
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server publish-port eth0
```

Manual 모드 - 분리 구성 CASE 1

Genian NAC

Manual Configuration 모드 - 분리 구성 (WEB / DB + LOG + RADIUS)

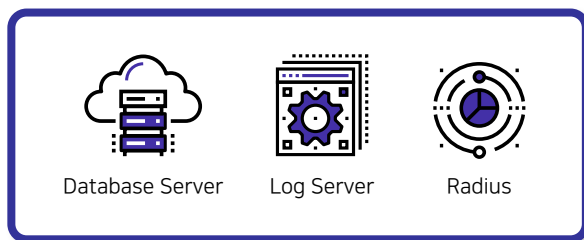


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

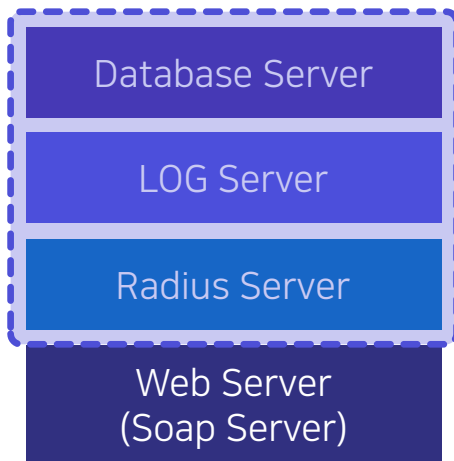
Manual 모드 - 분리 구성 CASE 1

Genian NAC

분리 구성 (DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

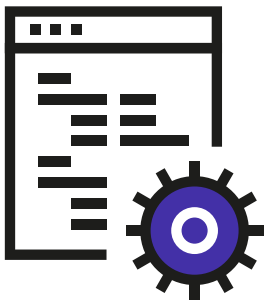
Step 4. LOG Server 설정

Step 5. Radius Server 설정

Step 6. Node Server IP 설정

Manual 모드 - 분리 구성 CASE 1

Manual Configuration 컨피그 - 분리 구성 (DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug sensord category 0xffffffff
debug sensord field 0x319
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

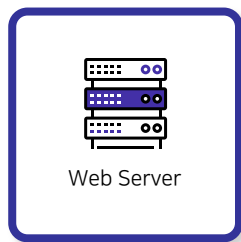
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

Manual 모드 - 분리 구성 CASE 1

Genian NAC

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Radius Server

Web Server
(Soap Server)

Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. 데이터베이스 IP, ID, Password 설정

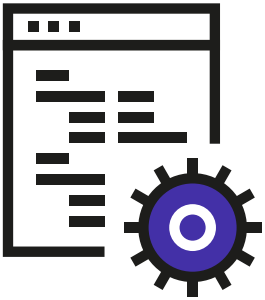
Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - 분리 구성 CASE 1

Manual Configuration 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

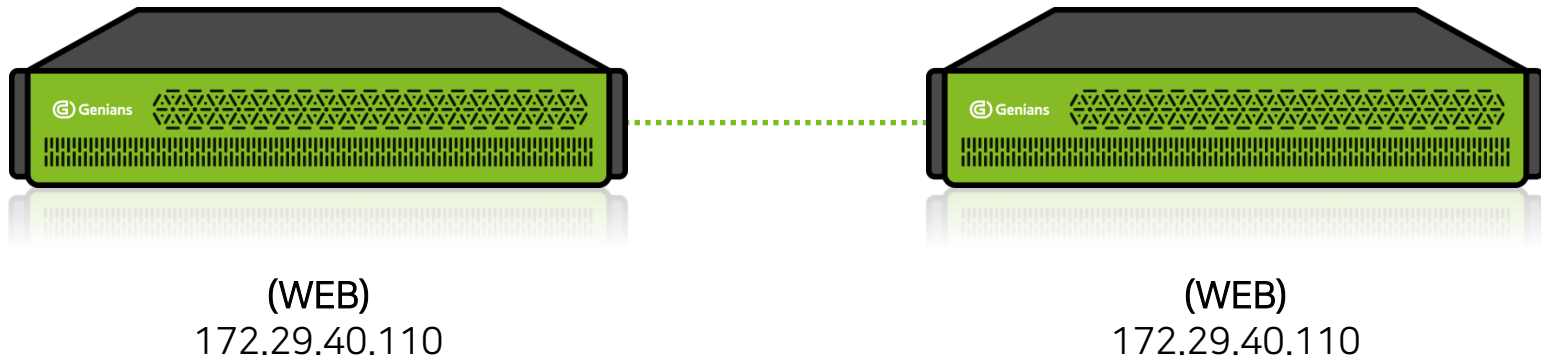
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

Manual 모드 - 분리 구성 CASE 2

Genian NAC

Manual Configuration 모드 - 분리 구성 (WEB / DB + LOG)

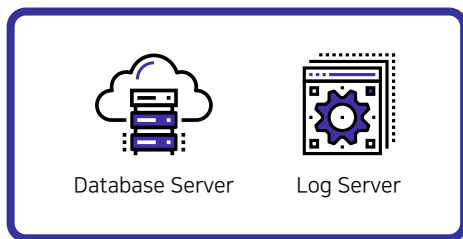


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

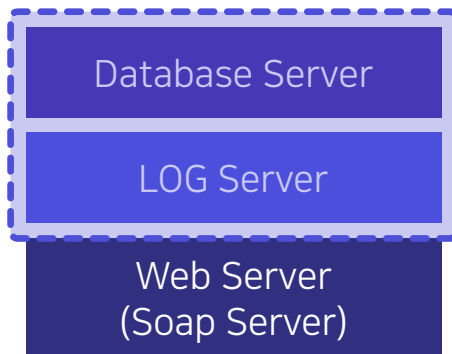
Manual 모드 - 분리 구성 CASE 2

Genian NAC

분리 구성 (DB + LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

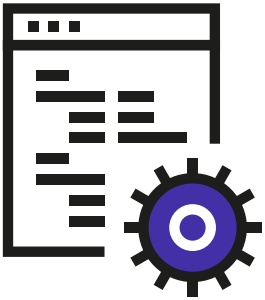
Step 3. Database Server 설정

Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual 모드 - 분리 구성 CASE 2

Manual Configuration 컨피그 - 분리 구성 (DB+LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

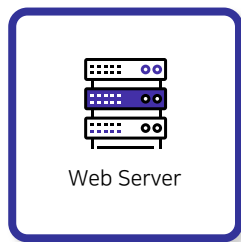
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

Manual 모드 - 분리 구성 CASE 2

Genian NAC

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

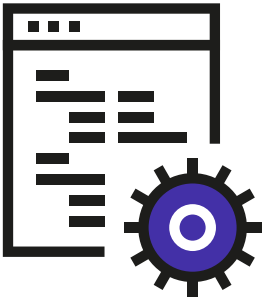
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - 분리 구성 CASE 2

Genian NAC

Manual Configuration 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

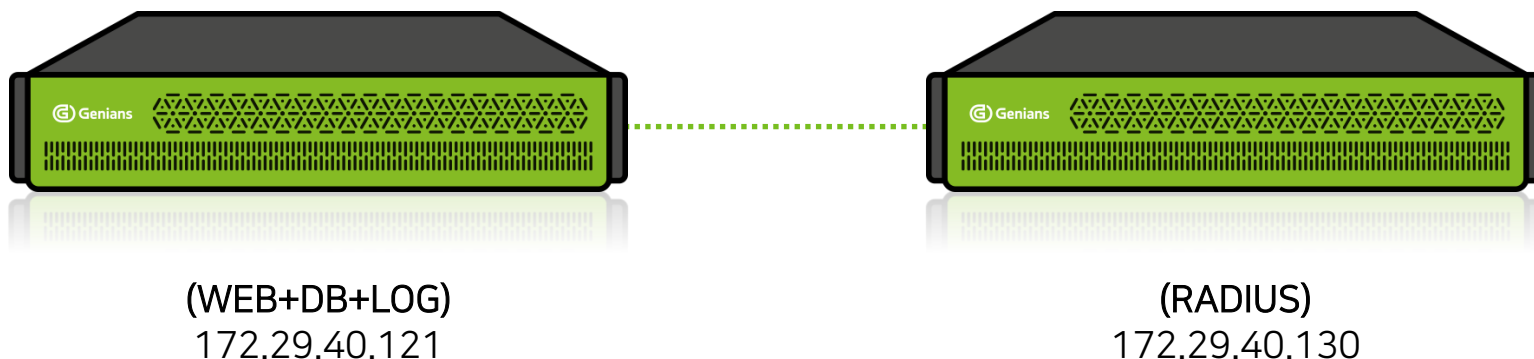
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

Manual 모드 - 분리 구성 CASE 3

Genian NAC

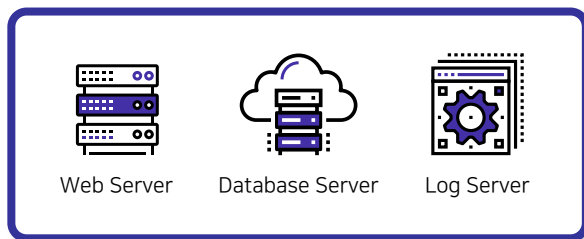
Manual Configuration 모드 - 분리 구성 (WEB + DB + LOG / RADIUS)



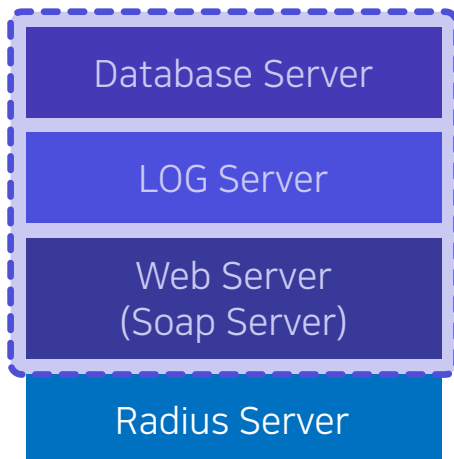
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - 분리 구성 CASE 3

분리 구성 (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

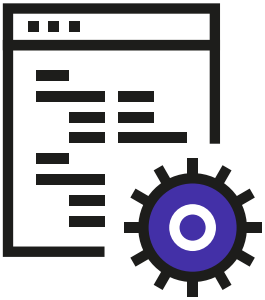
Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - 분리 구성 CASE 3

Manual Configuration 컨피그 - 분리 구성 (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

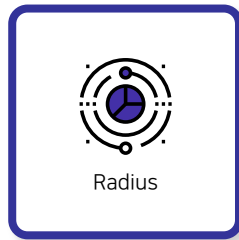
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server publish-port eth0
```

Manual 모드 - 분리 구성 CASE 3

분리 구성 (RADIUS)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

Step 1. IP, Gateway 설정

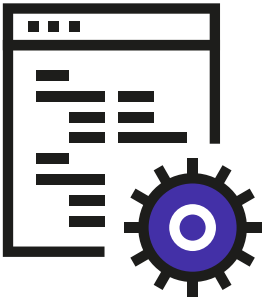
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (RADIUS)



```
data-server ip [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 radius-server enable
```

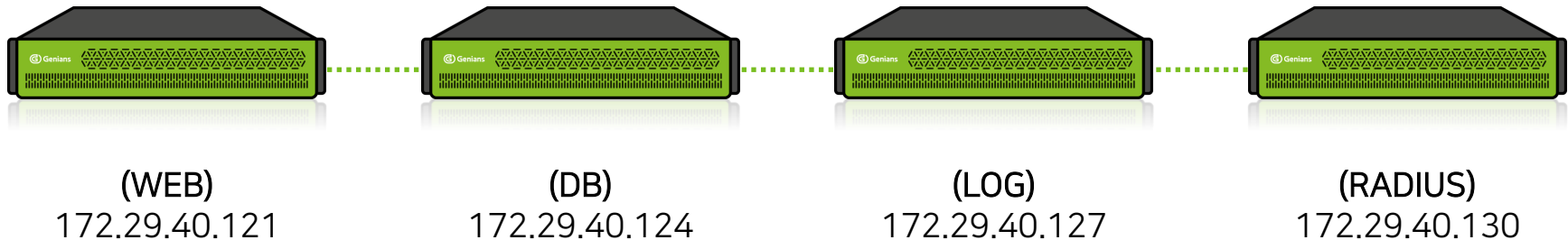
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - 분리 구성 CASE 4

Genian NAC

Manual Configuration 모드 - 분리 구성 (WEB / DB / LOG / RADIUS)

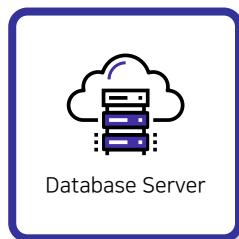


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - 분리 구성 CASE 4

Genian NAC

분리 구성 (DB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

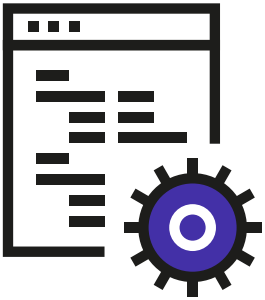
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (DB)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
```

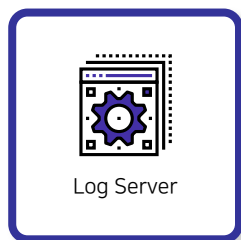
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - 분리 구성 CASE 4

Genian NAC

분리 구성 (LOG)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

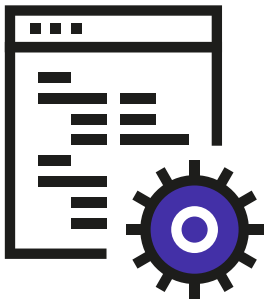
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (LOG)



device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

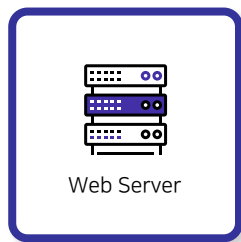
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

Manual 모드 - 분리 구성 CASE 4

Genian NAC

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

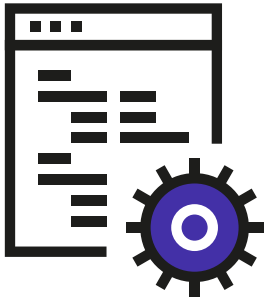
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

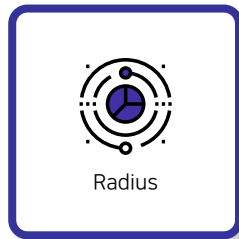
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

Manual 모드 - 분리 구성 CASE 4

Genian NAC

분리 구성 (RADIUS)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

Step 1. IP, Gateway 설정

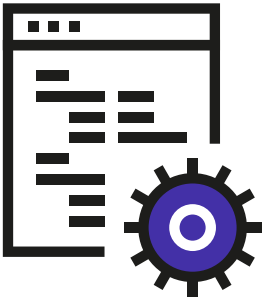
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (RADIUS)



```
data-server ip [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 radius-server enable
```

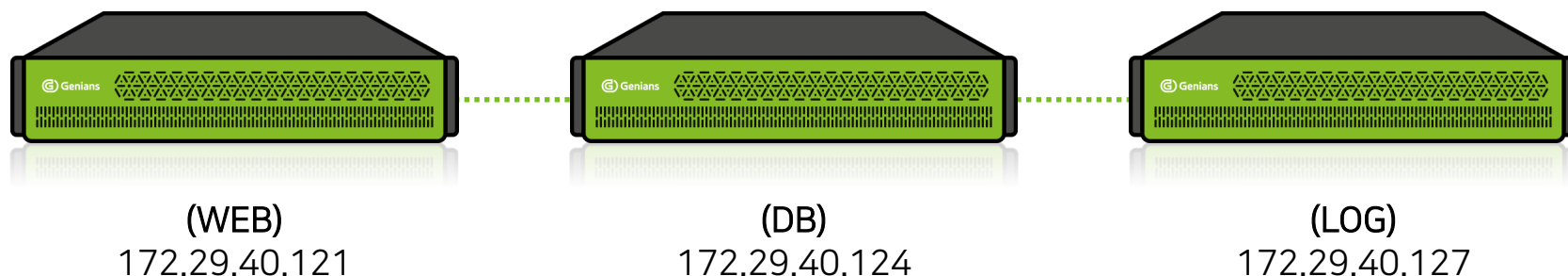
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - 분리 구성 CASE 5

Genian NAC

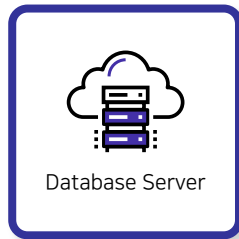
Manual Configuration 모드 - 분리 구성 (WEB / DB / LOG)



※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - 분리 구성 CASE 5

분리 구성 (DB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

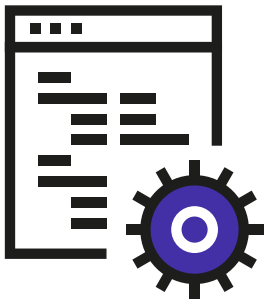
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (DB)



```
data-server enable  
data-server access-list [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]
```

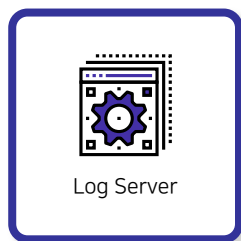
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - 분리 구성 CASE 5

Genian NAC

분리 구성 (LOG)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

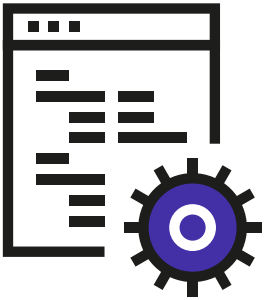
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (LOG)



device-id [UUID] (자동생성)

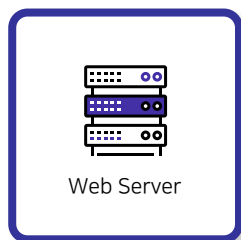
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

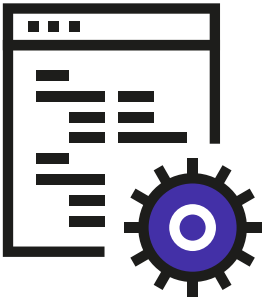
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

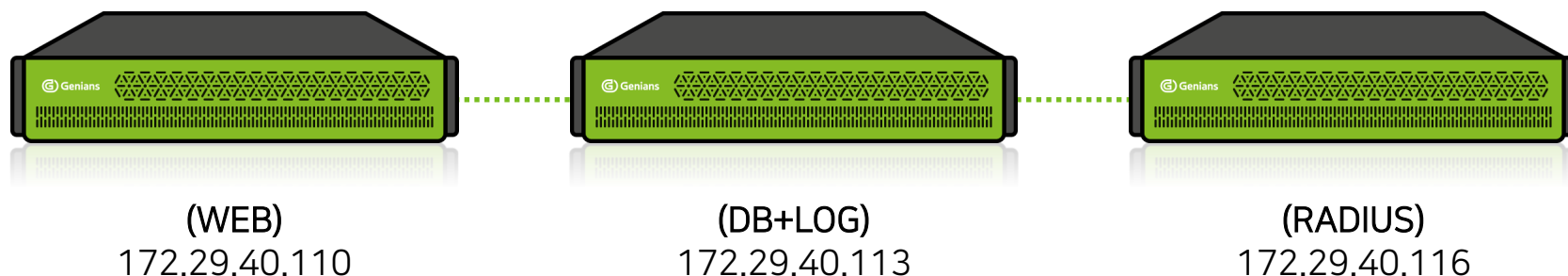
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

Manual 모드 - 분리 구성 CASE 6

Genian NAC

Manual Configuration 모드 - 분리 구성 (WEB / DB + LOG / RADIUS)

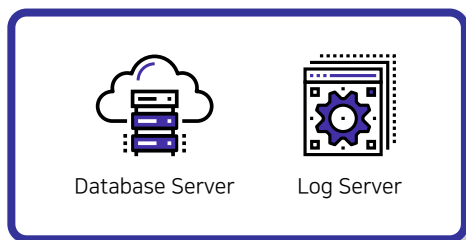


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

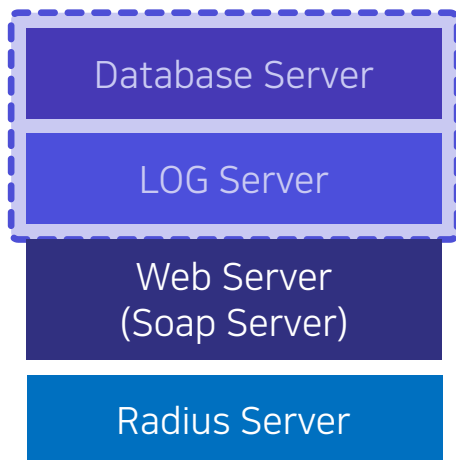
Manual 모드 - 분리 구성 CASE 6

Genian NAC

분리 구성 (DB + LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

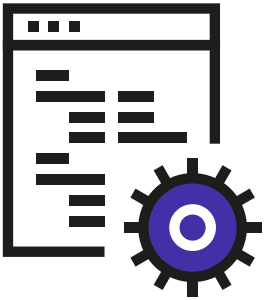
Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (DB+LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

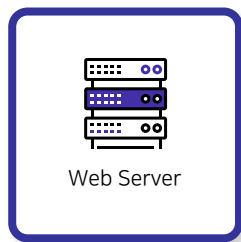
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

분리 구성 (WEB)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

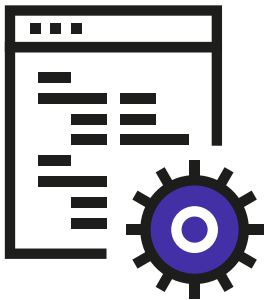
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 분리 구성 (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

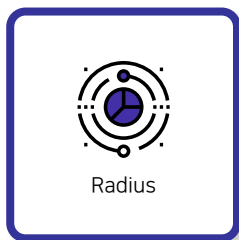
device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

분리 구성 (RADIUS)



※ 설정 시 진행 순서

Database Server

LOG Server

Web Server
(Soap Server)

Radius Server

Step 1. IP, Gateway 설정

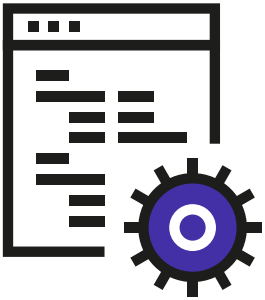
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 분리 구성 (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

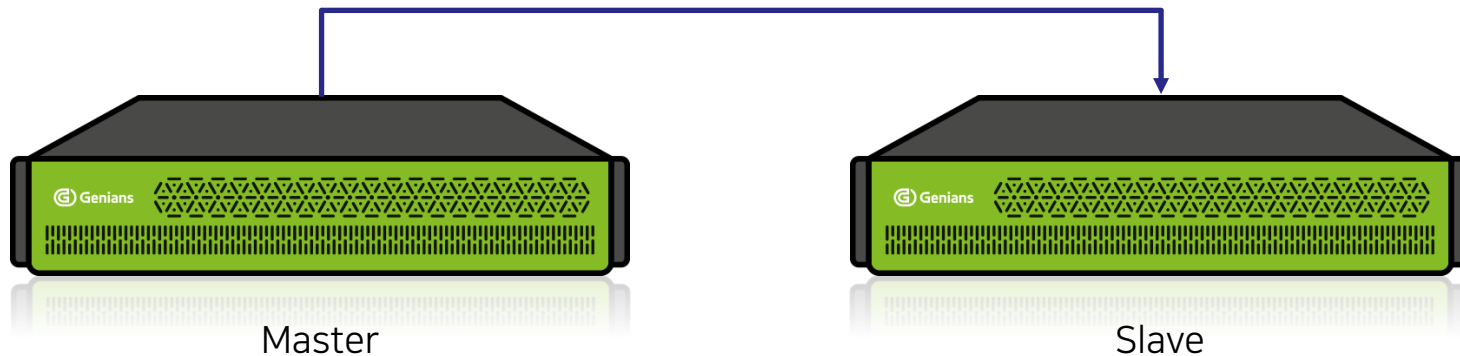
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

1. VRRP (Virtual Router Redundancy Protocol)

VRRP = HSRP < GLBP

Multicast(224.0.0.18)
Advertisement Packet(Default : 1sec)

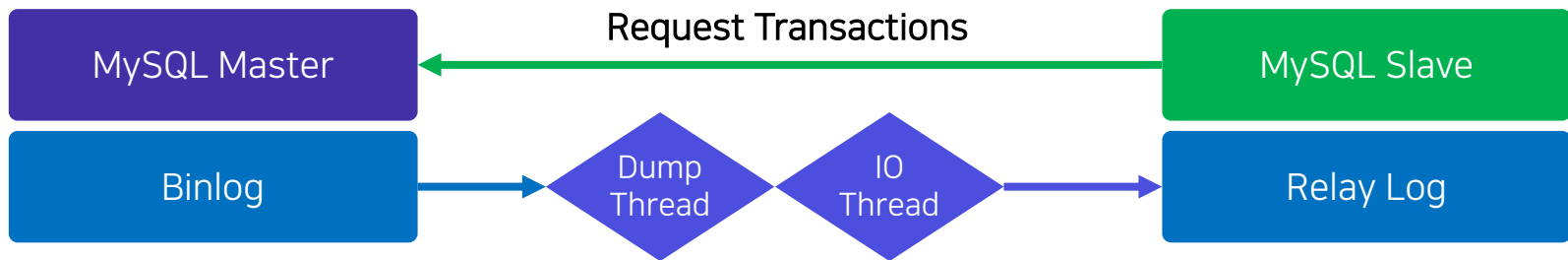


VRRP 설정 옵션

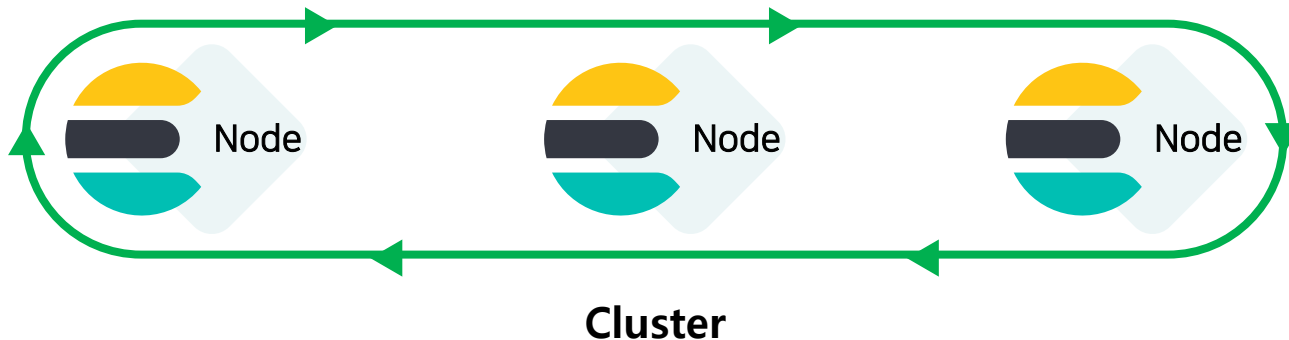
옵션	비고
Option 1. Group	Group 0~255
Option 2. Linkup delay	Interface Up Delay (STP에 따라 설정)
Option 3. No Virtual MAC	00:00:5E:00:01:XX(Group Number)
Option 4. No preempt	Priority에 따른 Master 선점 설정
Option 5. Priority	Master 선점 Priority 값
Option 6. Timeout	Advertisement 횟수 (1sec 1회)
Option 7. Virtual IP	가상 IP 설정

HA 소개 - 데이터 동기화 방식

1. Mysql Replication



2. Elasticsearch Cluster



Mysql Replication 설정 옵션

옵션	비고
Option 1. Enable	Replication 활성화
Option 2. Serverid	Replica 서버 ID 설정
Option 3. Username	Replica Master DB 사용자 계정 설정
Option 4. Password	Replica Master DB 사용자 패스워드 설정
Option 5. Masterhost	Replica Master IP 설정
Option 6. Port	Replica Master Port 설정

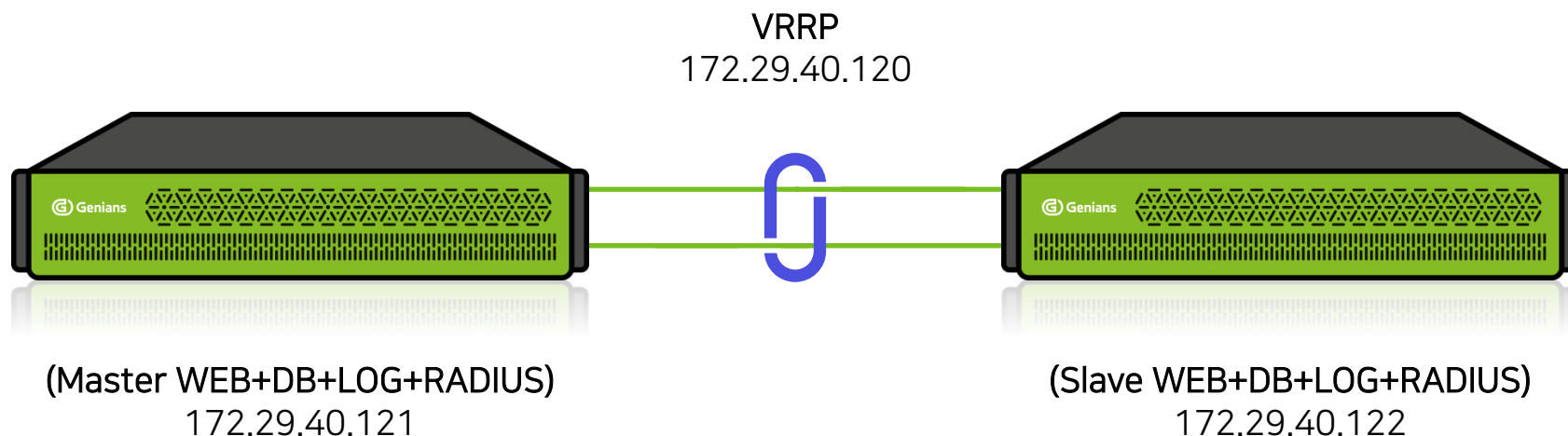
Elasticsearch Cluster 설정 옵션

옵션	비고
Option 1. Cluster - Name	Cluster 동기화 이름 설정
Option 2. Cluster - Peers	Cluster 동기화 대상 IP주소 설정
Option 3. Publish - Port	Cluster 통신 인터페이스 설정

Manual 모드 - HA 구성 CASE 1

Genian NAC

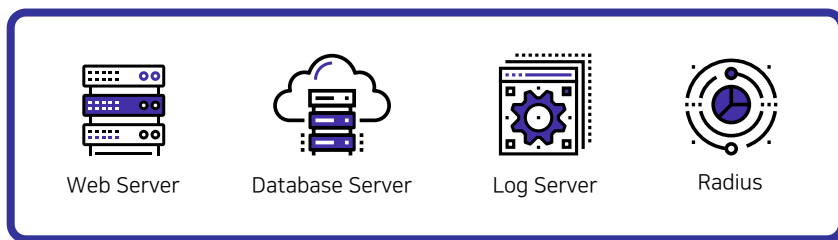
Manual Configuration 모드 - HA 구성 (WEB + DB + LOG + RADIUS)



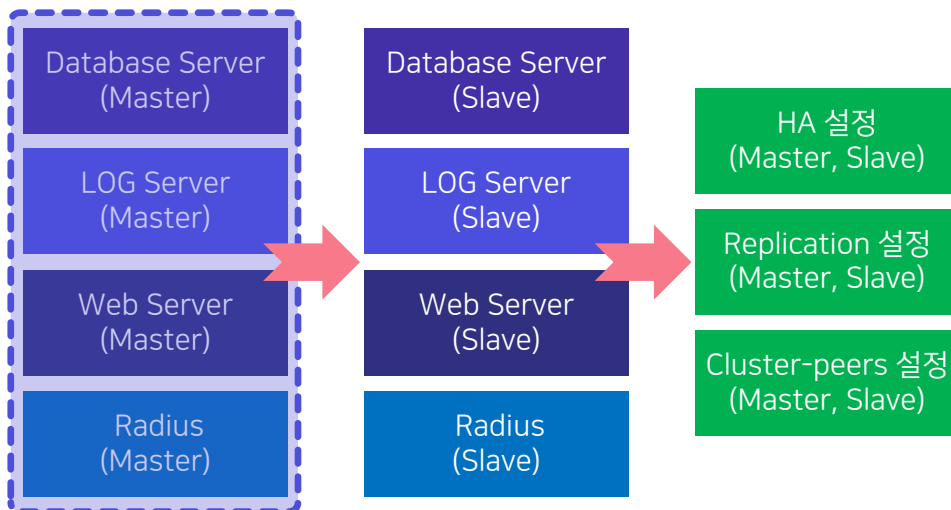
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - HA 구성 CASE 1

기본 구성 - Master (WEB + DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

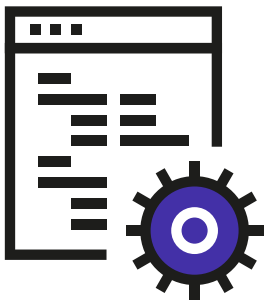
Step 7. Radius Server 설정

Step 8. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 1

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (WEB + DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

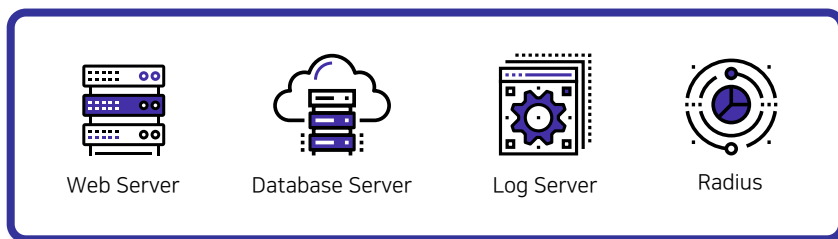
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

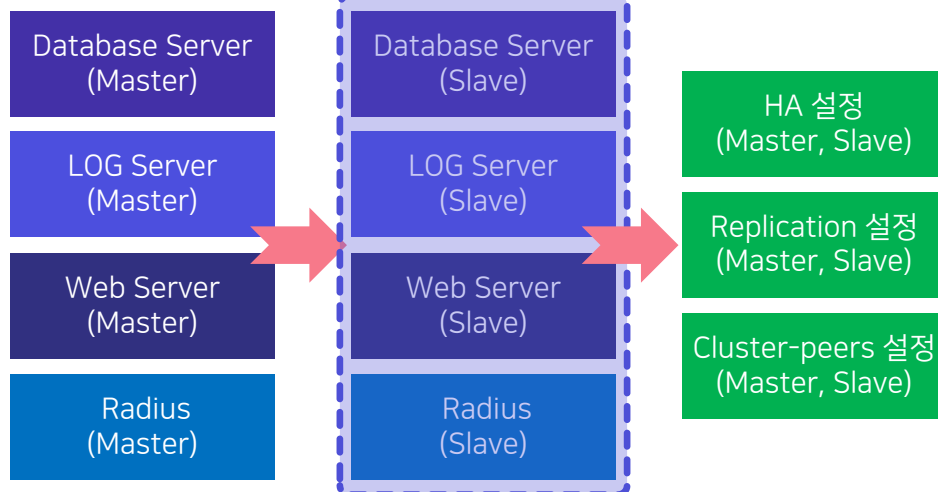
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 1

기본 구성 - Slave (WEB + DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

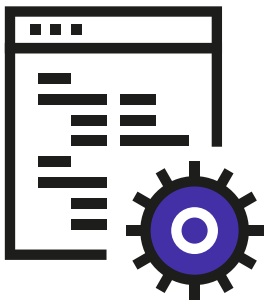
Step 7. Radius Server 설정

Step 8. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 1

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Slave (WEB + DB + LOG + RADIUS)



```
data-server enable
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

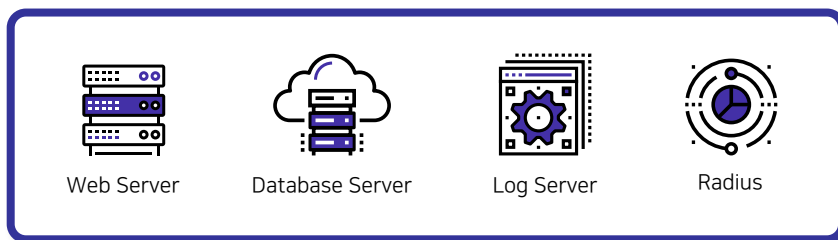
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 1

HA 구성 - Master (WEB + DB + LOG + RADIUS)



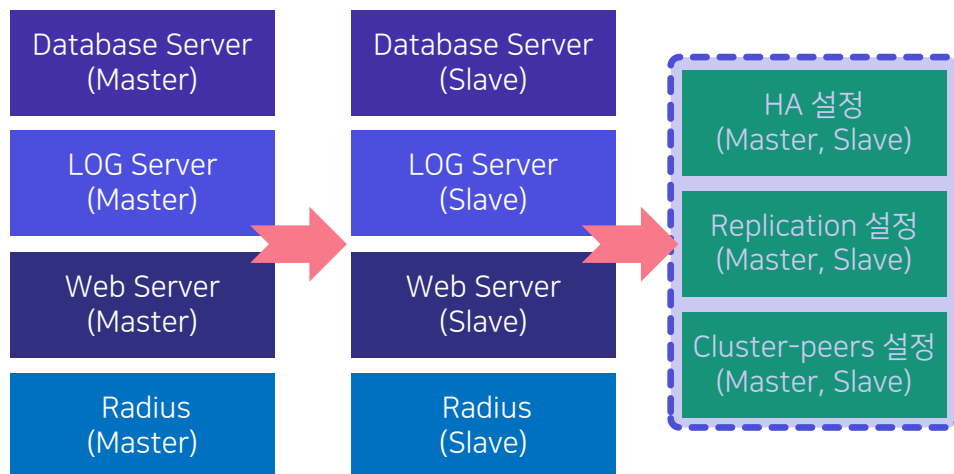
Step 1. Debug 이벤트 설정

Step 2. HA 설정

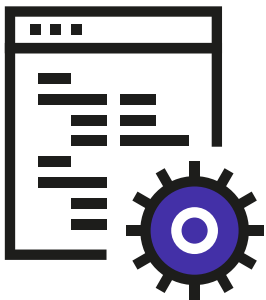
Step 3. Data Server Replication 설정

Step 4. LOG Server Cluster-peer 설정

※ 설정 시 진행 순서



Manual Configuration 컨피그 - HA 구성 - Master (WEB + DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
interface eth0 management-server enable
interface eth0 node-server enable
interface eth0 radius-server enable
```

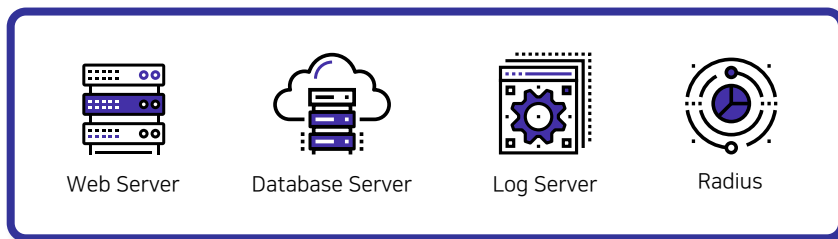
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

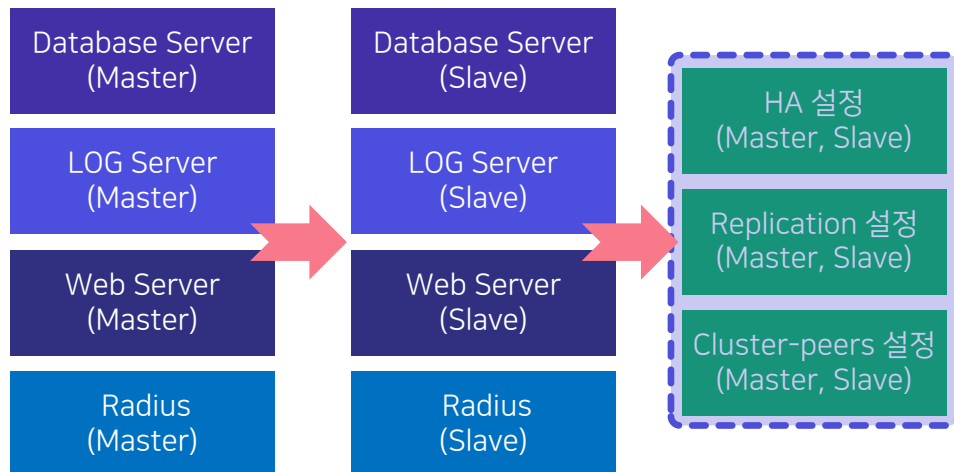
Manual 모드 - HA 구성 CASE 1

Genian NAC

HA 구성 - Slave (WEB + DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

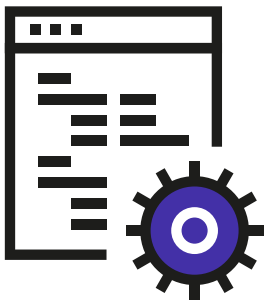
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server Replication 설정

Step 5. LOG Server Cluster-peer 설정

Manual Configuration 컨피그 - HA 구성 - Slave (WEB + DB + LOG + RADIUS)



```
data-server enable
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
interface eth0 management-server enable
interface eth0 node-server enable
interface eth0 radius-server enable
```

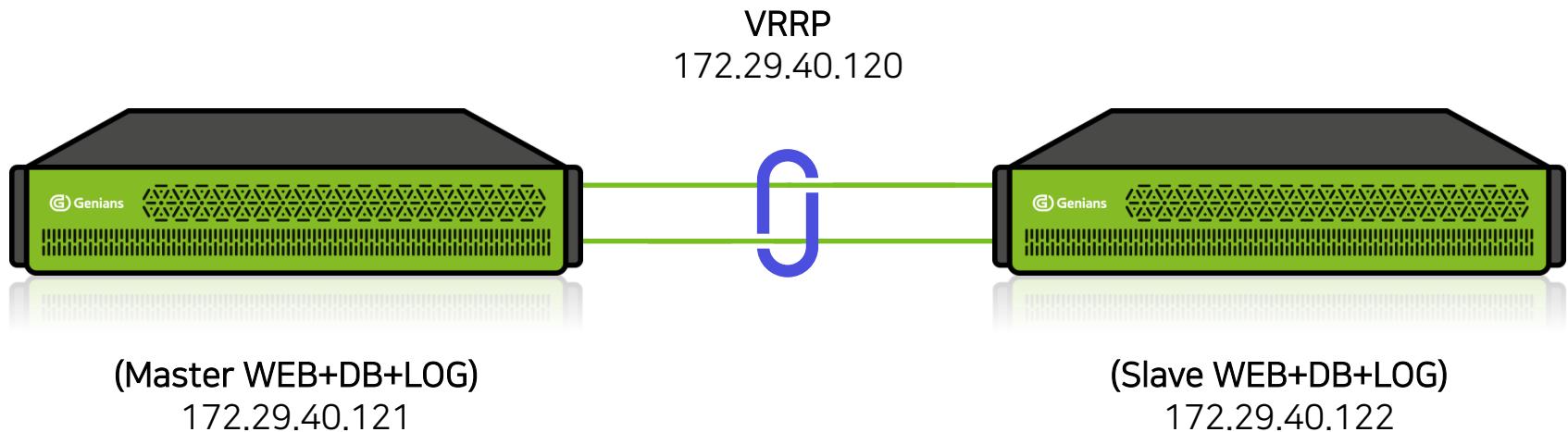
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 2

Genian NAC

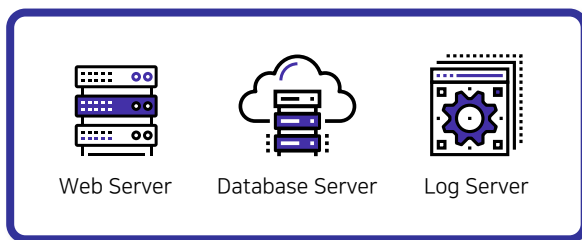
Manual Configuration 모드 - HA 구성 (WEB+DB+LOG)



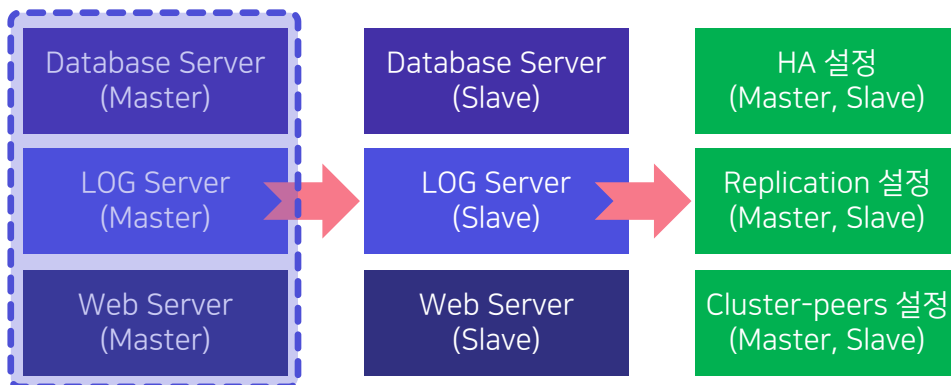
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - HA 구성 CASE 2

기본구성 - Master (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

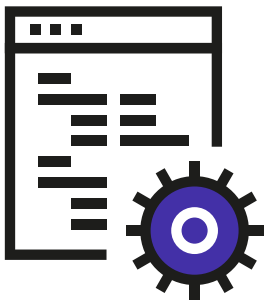
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 2

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

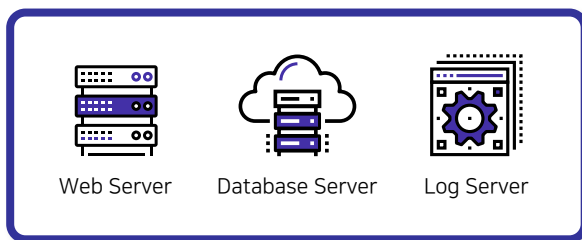
```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

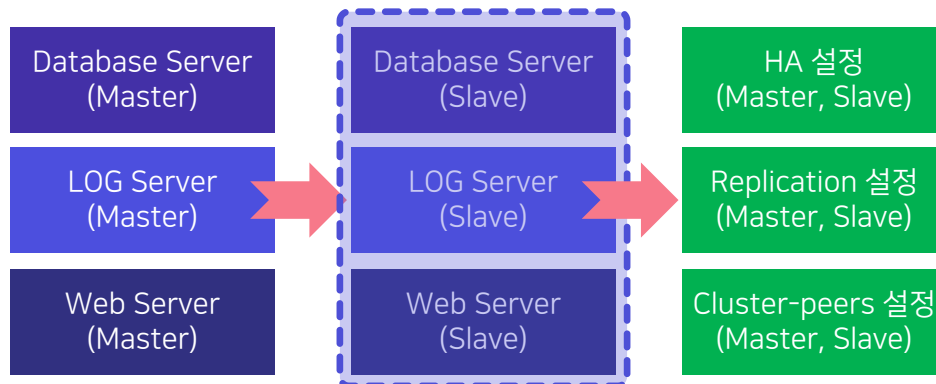
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

3. HA 구성 Slave (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

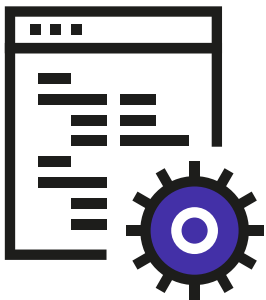
Step 4. Database Server 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB + DB + LOG)



```
data-server enable
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

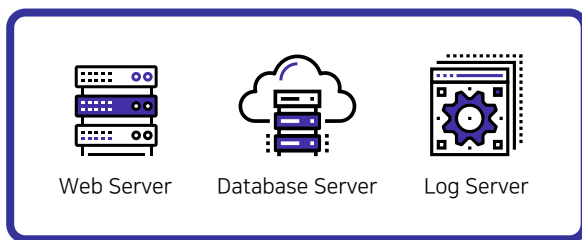
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

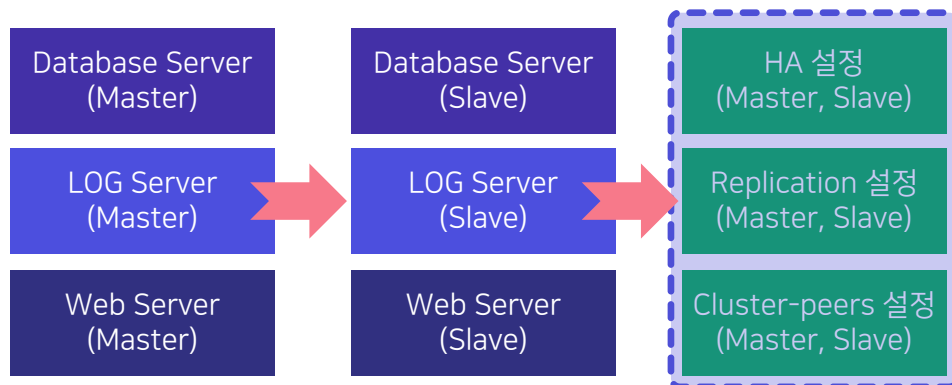
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 2

HA 구성 - Master (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

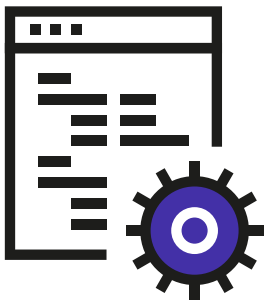
Step 2. HA 설정

Step 3. Database Server ACL 설정

Step 4. Database Server Replication 설정

Step 5. LOG Server Cluster peer 설정

Manual Configuration 동영상 - HA 구성 - Master (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

device-id [UUID] (자동생성)

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

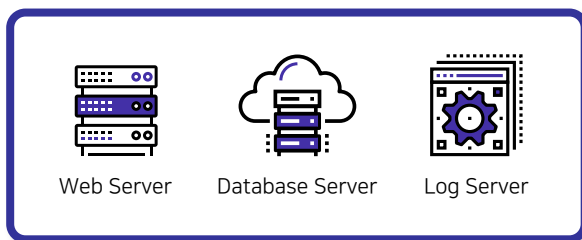
```
interface eth0 management-server enable
interface eth0 node-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

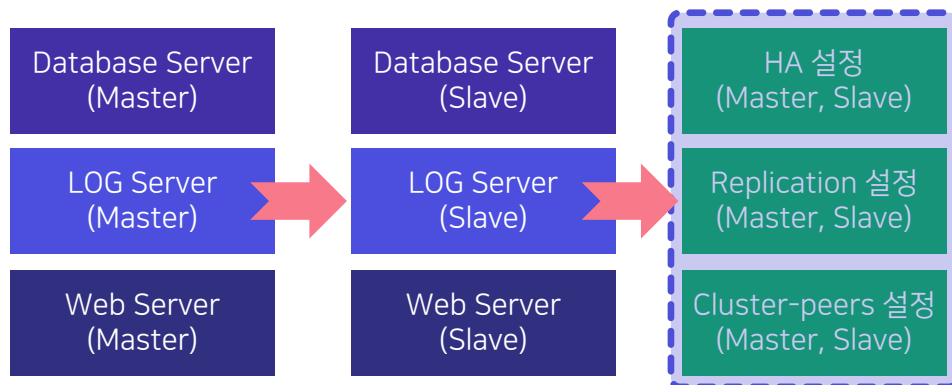
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 2

HA 구성 - Slave (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

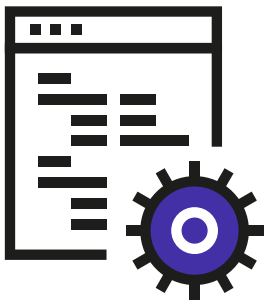
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Database Server Replication 설정

Step 5. LOG Server Cluster peer 설정

Manual Configuration 동영상 - HA 구성 - Slave (WEB + DB + LOG)



```
data-server enable
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
interface eth0 management-server enable
interface eth0 node-server enable
```

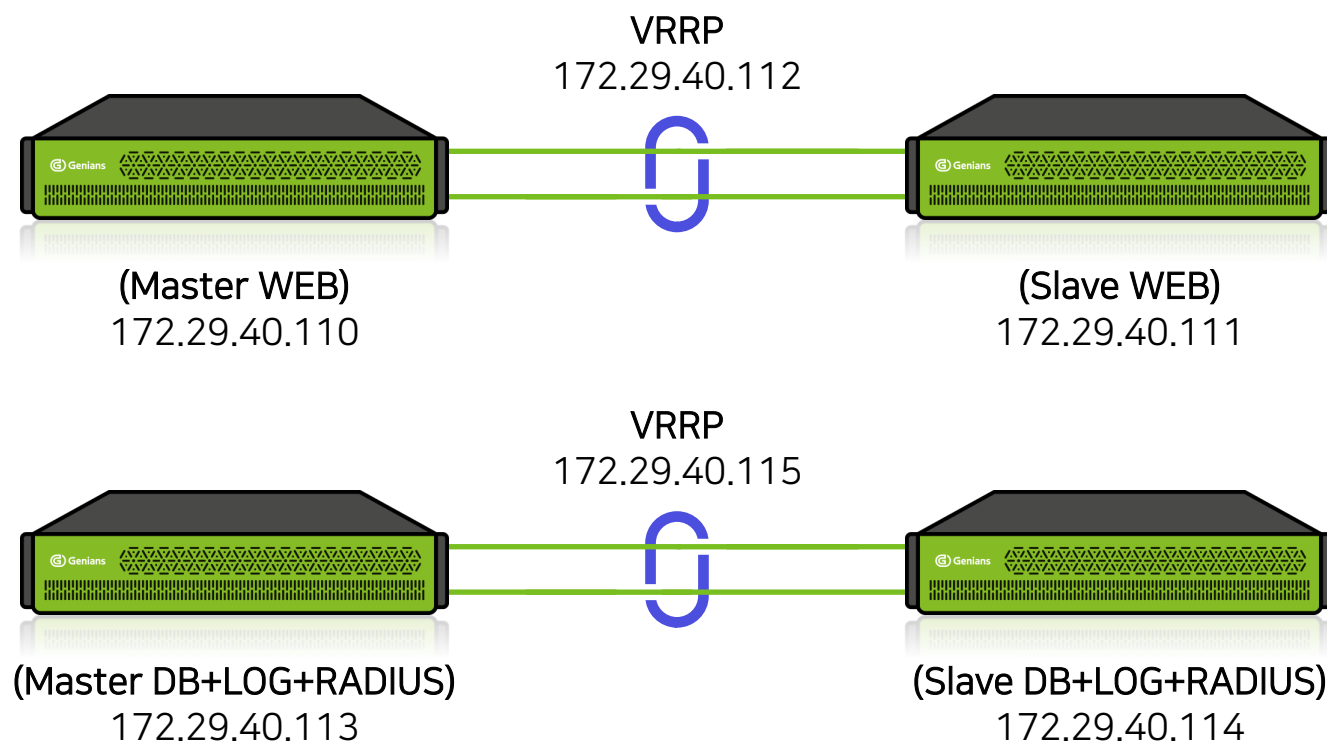
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

Manual 모드 - HA 구성 CASE 3

Genian NAC

Manual Configuration 모드 - HA 구성 (WEB / DB + LOG + RADIUS)

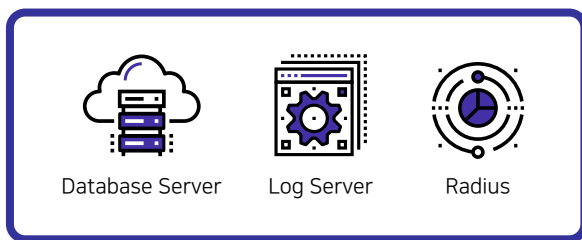


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

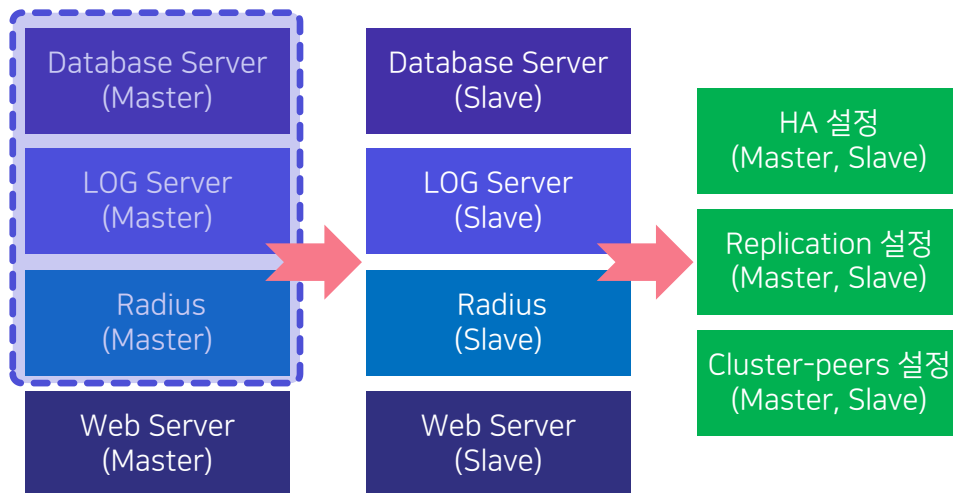
Manual 모드 - HA 구성 CASE 3

Genian NAC

기본구성 - Master (DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

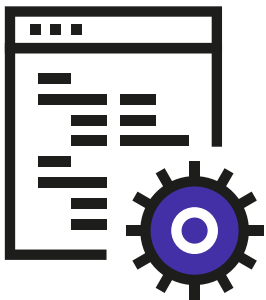
Step 3. Database Server 설정

Step 4. LOG Server 설정

Step 5. Radius Server 설정

Step 6. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

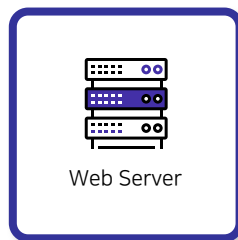
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

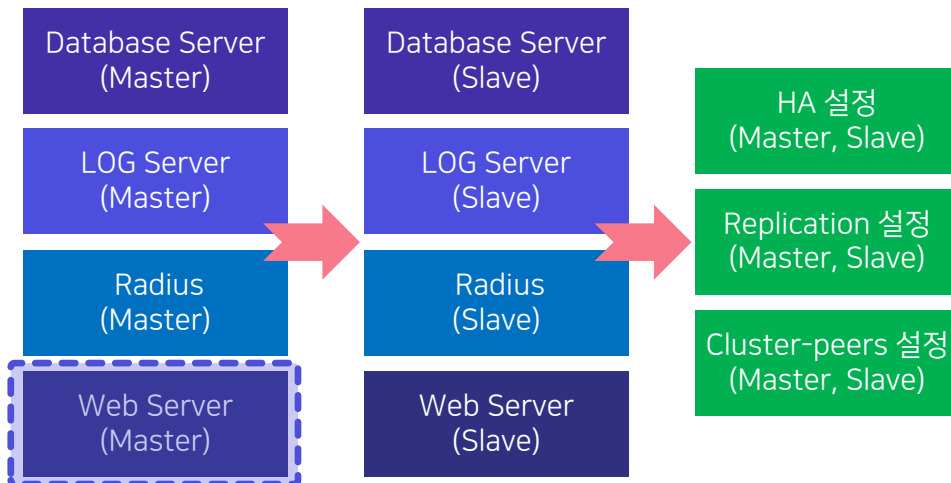
Manual 모드 - HA 구성 CASE 3

Genian NAC

기본구성 - Master (WEB)



※ 설정 시 진행 순서



Step 1. debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

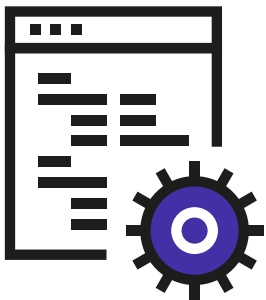
Step 4. 데이터베이스 IP, ID, 패스워드 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Master (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

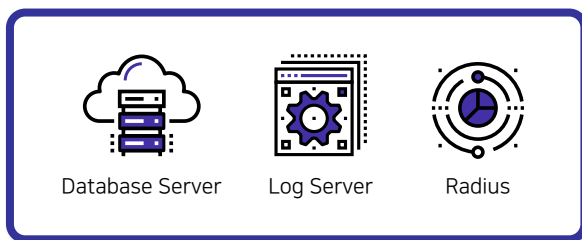
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

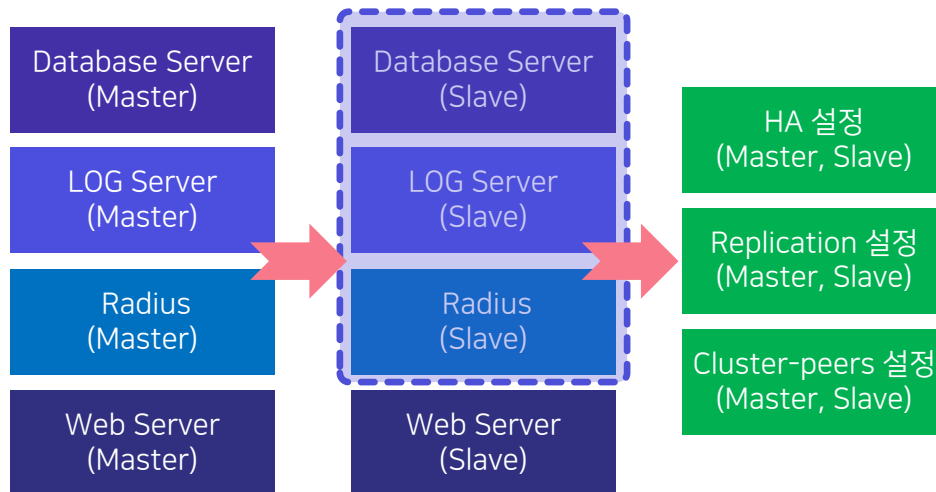
Manual 모드 - HA 구성 CASE 3

Genian NAC

기본구성 - Slave (DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

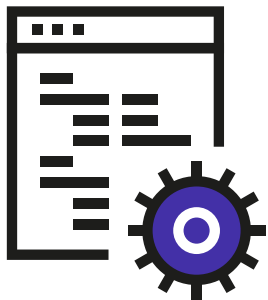
Step 3. Database Server 설정

Step 4. LOG Server 설정

Step 5. Radius Server 설정

Step 6. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

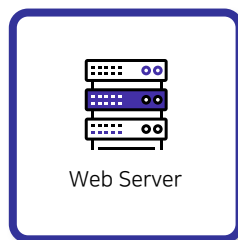
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

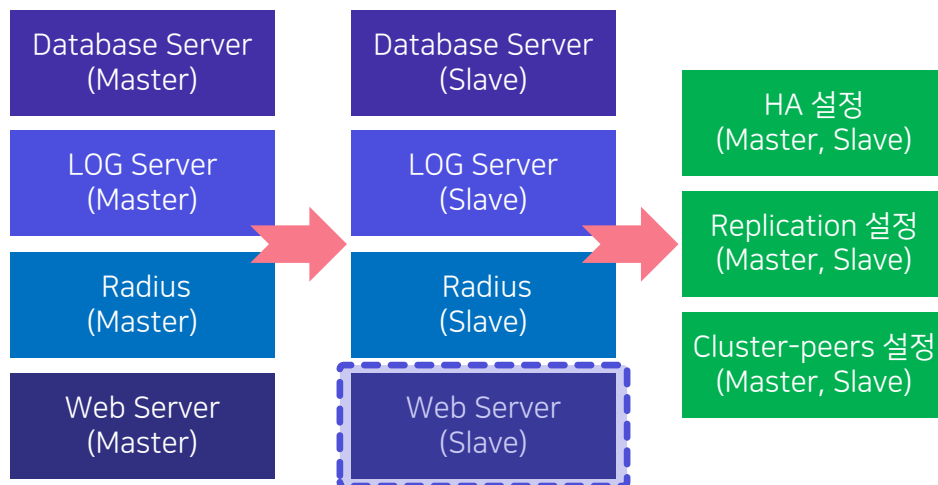
Manual 모드 - HA 구성 CASE 3

Genian NAC

기본구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

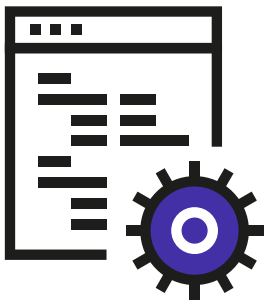
Step 4. 데이터베이스 IP, ID, 패스워드 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

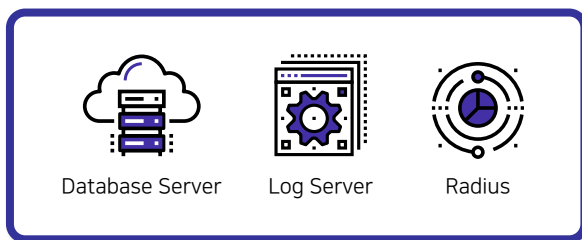
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

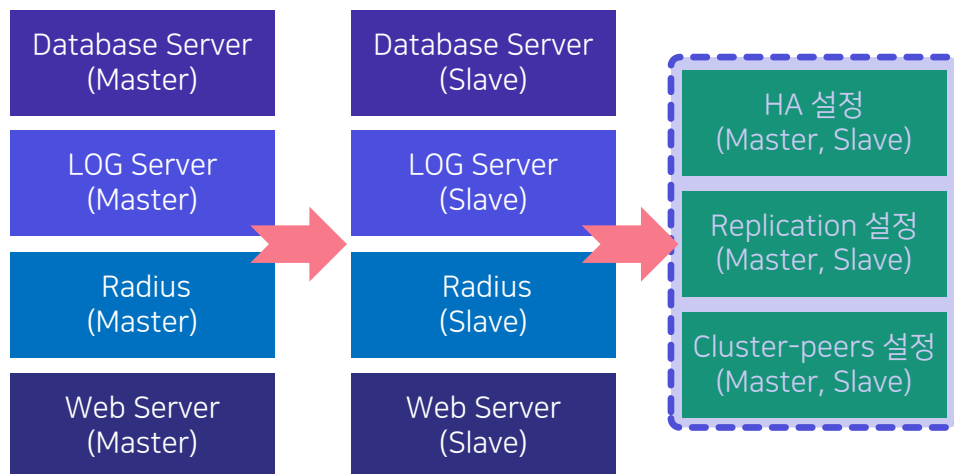
Manual 모드 - HA 구성 CASE 3

Genian NAC

HA 구성 - Master (DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. HA 설정

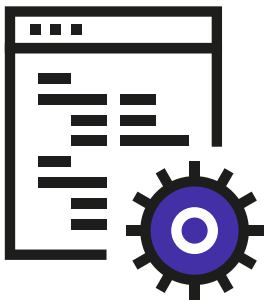
Step 3. Data Server ACL 설정

Step 4. Data Server Replication 설정

Step 5. LOG Server Cluster-peer 설정 변경

Step 6. Node Server IP 설정

Manual Configuration 컨피그 - HA 구성 - Master (DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

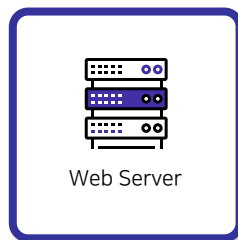
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

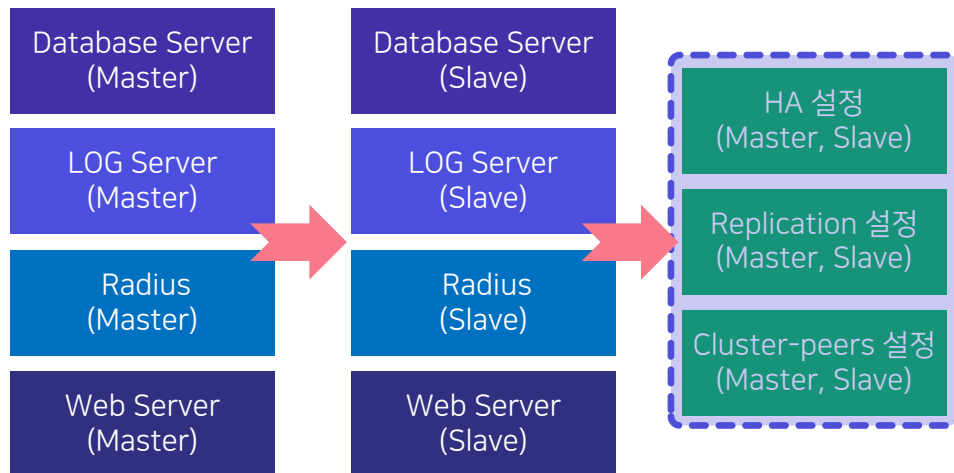
Manual 모드 - HA 구성 CASE 3

Genian NAC

HA 구성 - Master (WEB)



※ 설정 시 진행 순서



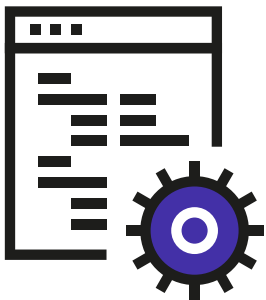
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

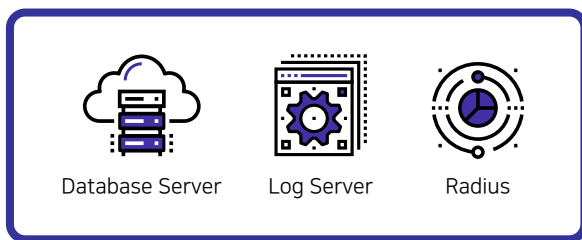
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

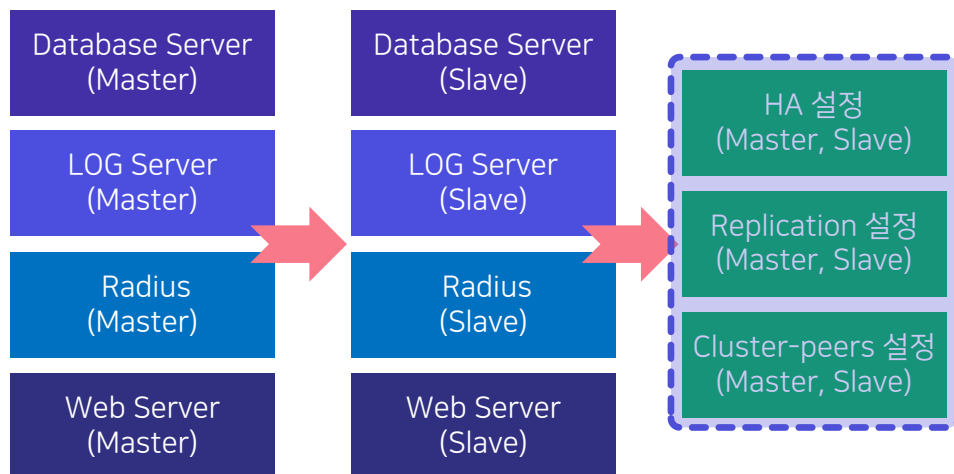
Manual 모드 - HA 구성 CASE 3

Genian NAC

Slave (DB + LOG + RADIUS)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. debug 이벤트 설정

Step 3. HA 설정

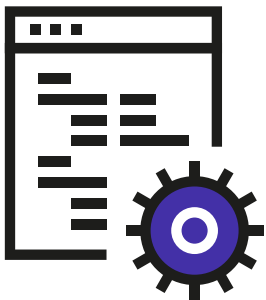
Step 4. Data Server ACL 설정 변경

Step 5. Data Server Replication 설정

Step 6. LOG Server Cluster-peer 설정 변경

Step 7. Node Server IP 설정

Manual Configuration 컨피그 - HA 구성 - Slave (DB + LOG + RADIUS)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

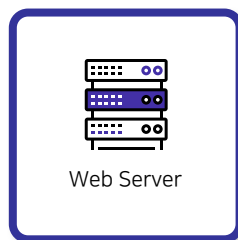
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

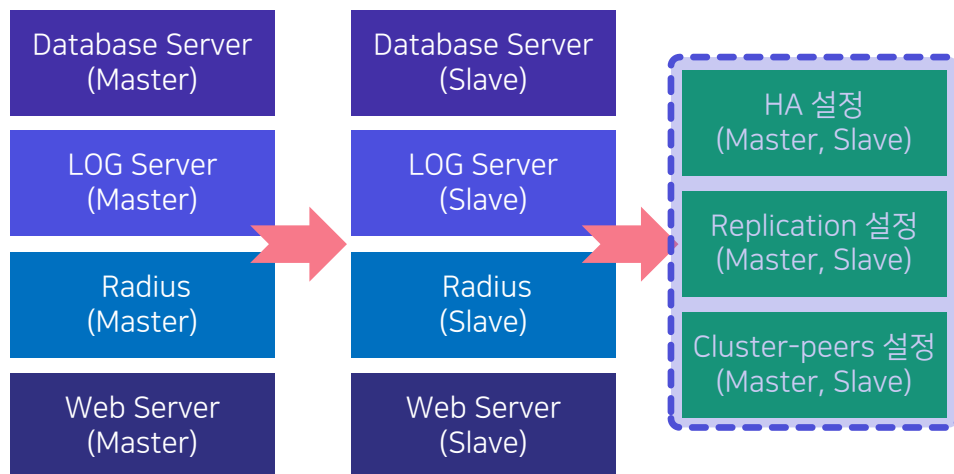
Manual 모드 - HA 구성 CASE 3

Genian NAC

HA 구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

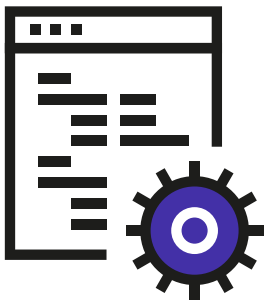
Step 2. debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

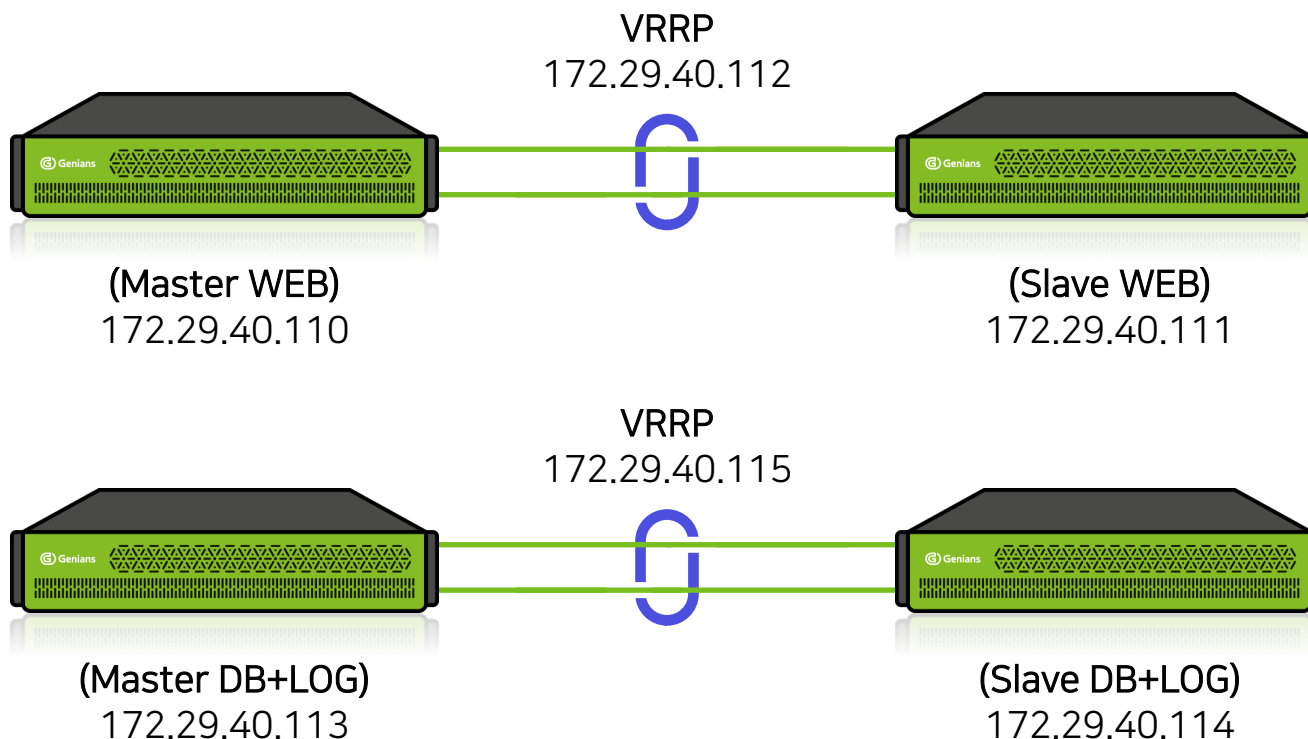
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

Manual 모드 - HA 구성 CASE 4

Genian NAC

Manual Configuration - (WEB / DB+LOG)

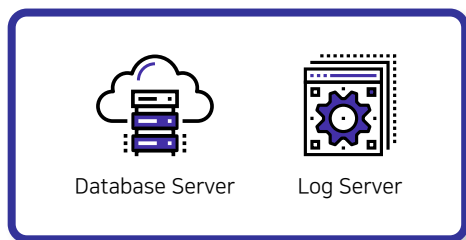


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

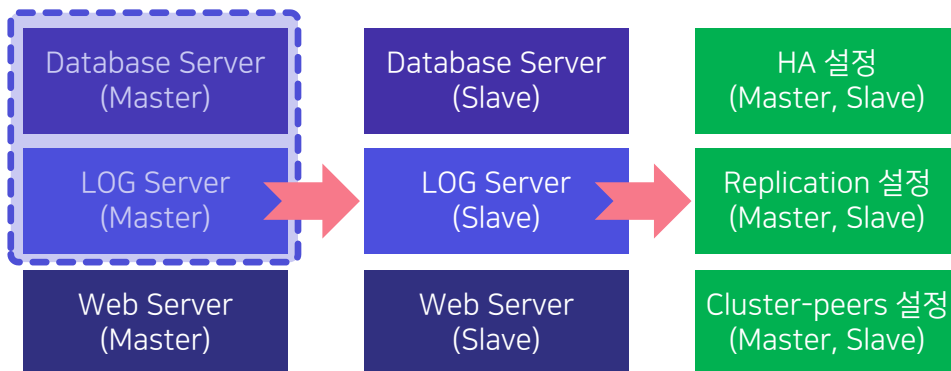
Manual 모드 - HA 구성 CASE 4

Genian NAC

기본 구성 - Master (DB+LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

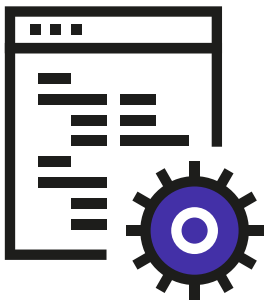
Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual 모드 - HA 구성 CASE 4

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (DB+LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

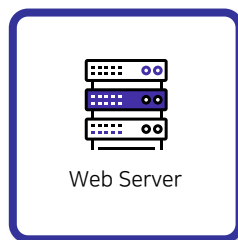
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

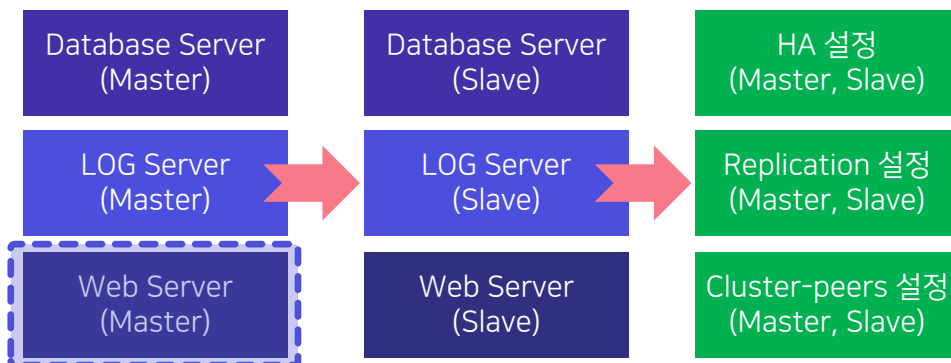
Manual 모드 - HA 구성 CASE 4

Genian NAC

기본 구성 - Master (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. 데이터베이스 IP, ID, 패스워드 설정

Step 5. LOG Server 설정

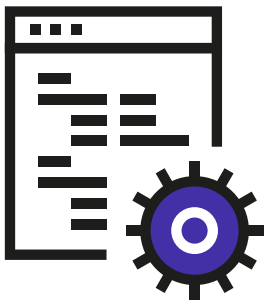
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 4

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (WEB)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

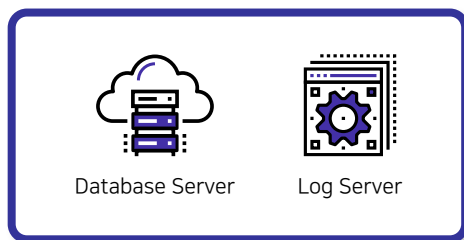
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

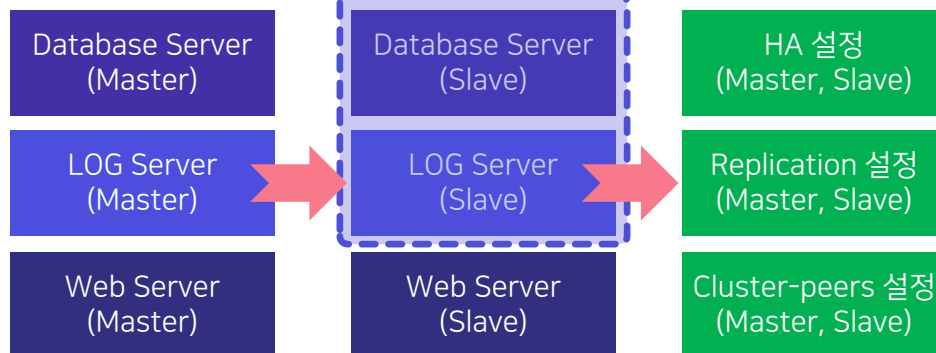
Manual 모드 - HA 구성 CASE 4

Genian NAC

기본구성 - Slave (DB+LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

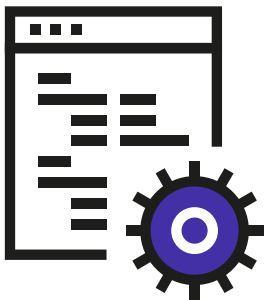
Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (DB+LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

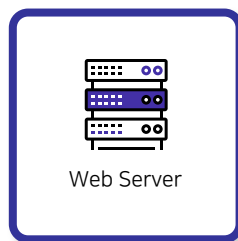
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

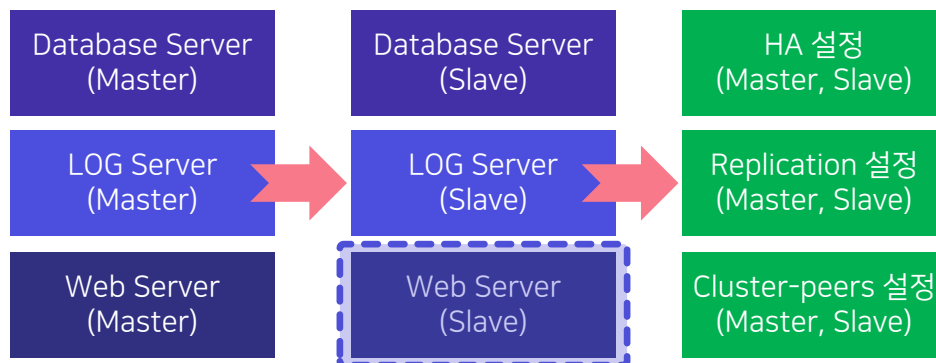
Manual 모드 - HA 구성 CASE 4

Genian NAC

기본구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

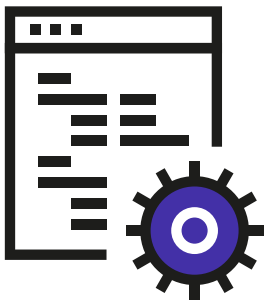
Step 4. 데이터베이스 IP, ID, 패스워드 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

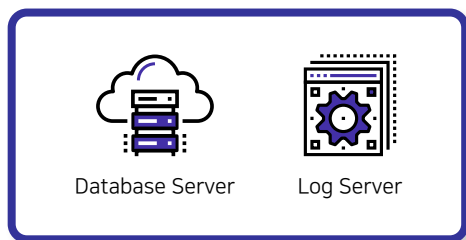
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

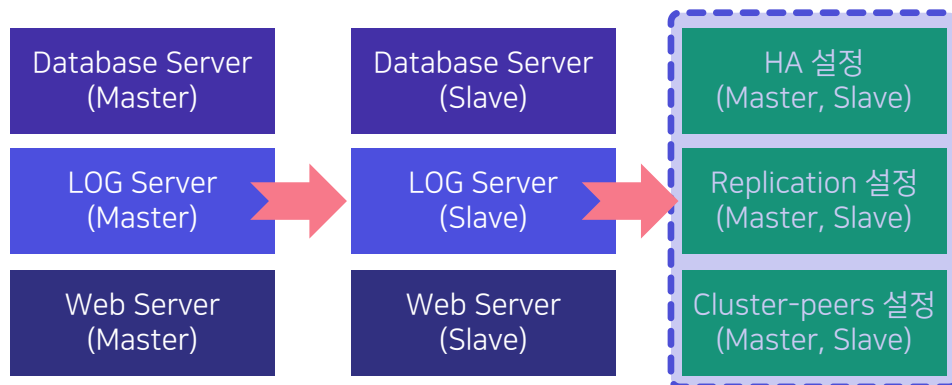
Manual 모드 - HA 구성 CASE 4

Genian NAC

HA구성 - Master (DB+LOG)



※ 설정 시 진행 순서



Step 1. debug 이벤트 설정

Step 2. HA 설정

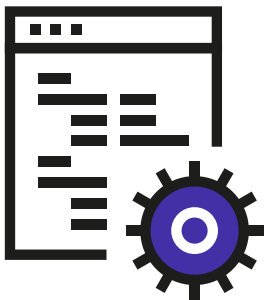
Step 3. Database Server ACL 설정 변경

Step 4. Database Replication 설정

Step 5. LOG Server Cluster peer 설정 변경

Step 6. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA구성 - Master (DB+LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

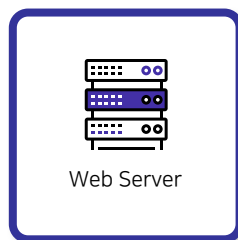
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

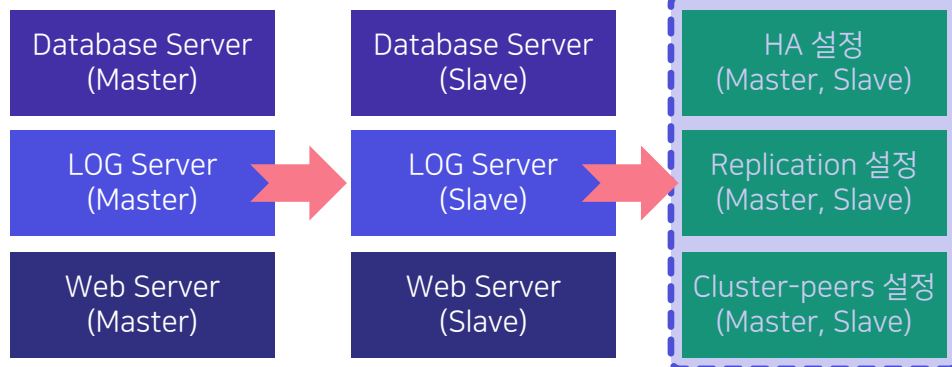
Manual 모드 - HA 구성 CASE 4

Genian NAC

HA구성 - Master (WEB)



※ 설정 시 진행 순서



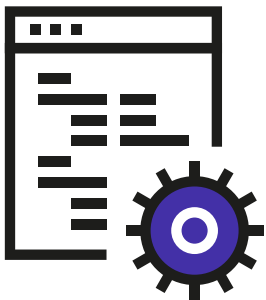
Step 1. Debug 이벤트 설정

Step 2. HA설정

Step 3. Data Server IP 설정 변경

Step 4. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA구성 - Master (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

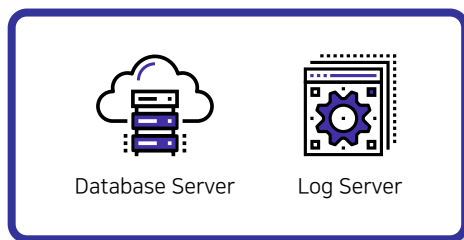
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

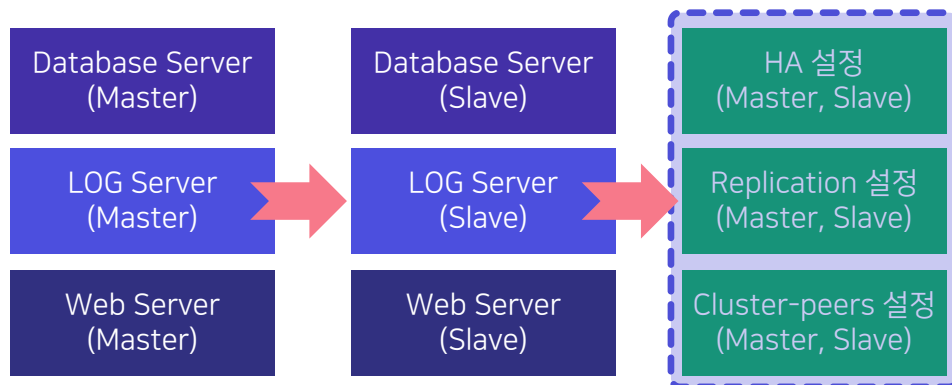
Manual 모드 - HA 구성 CASE 4

Genian NAC

HA구성 - Slave (DB+LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. debug 이벤트 설정

Step 3. HA 설정

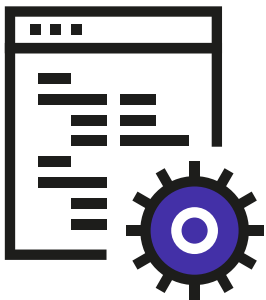
Step 4. Database Server ACL 설정 변경

Step 5. Database Replication 설정

Step 6. LOG Server Cluster peer 설정 변경

Step 7. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA구성 - Slave (DB+LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

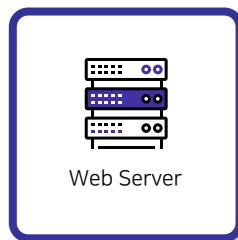
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

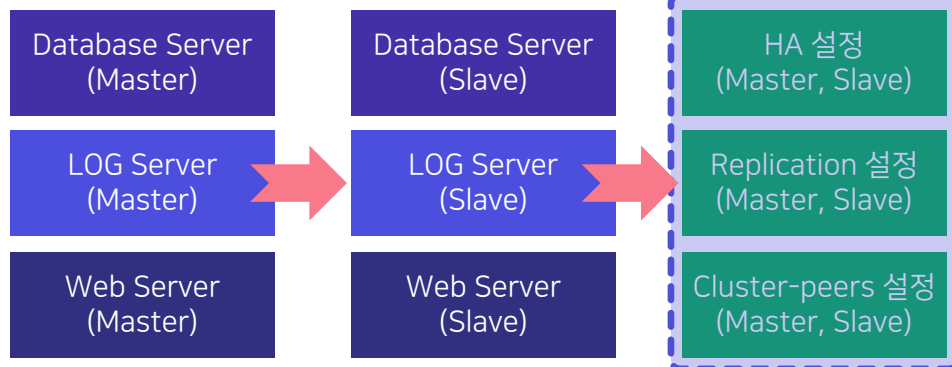
Manual 모드 - HA 구성 CASE 4

Genian NAC

HA구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

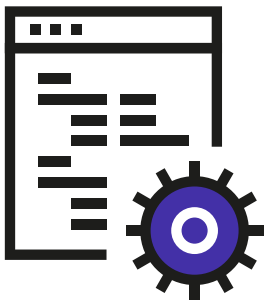
Step 2. debug 이벤트 설정

Step 3. HA설정

Step 4. Data Server IP 설정 변경

Step 5. LOG Server IP 설정 변경

Manual Configuration 동영상 - HA구성 - Slave (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

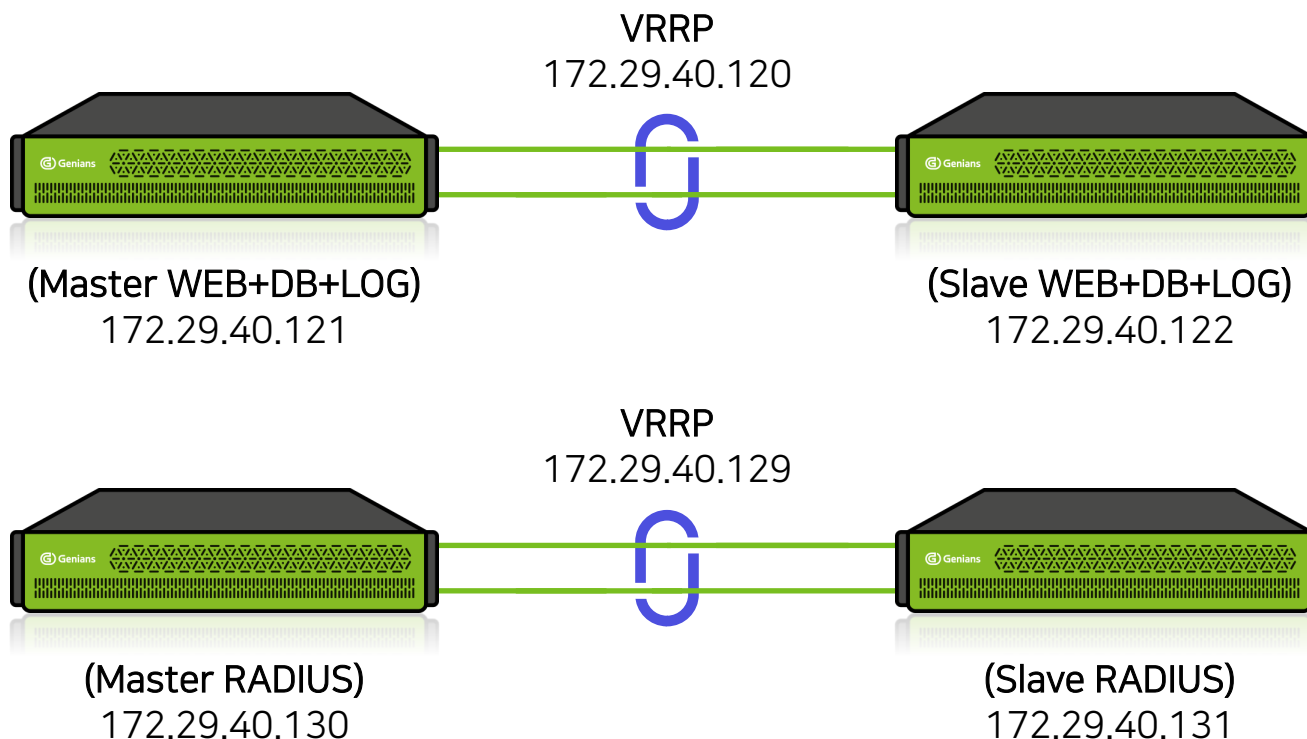
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

Manual 모드 - HA 구성 CASE 5

Genian NAC

Manual Configuration 모드 - HA 구성 (WEB + DB + LOG / RADIUS)

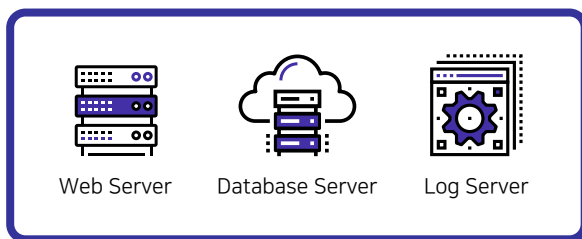


※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

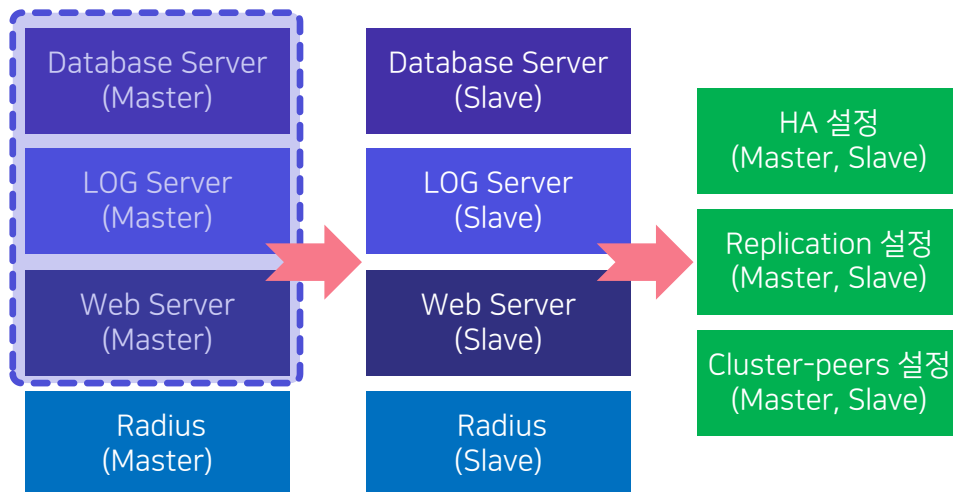
Manual 모드 - HA 구성 CASE 5

Genian NAC

기본 구성 - Master (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. Database Server 설정

Step 5. LOG Server 설정

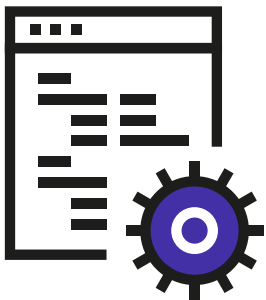
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 5

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

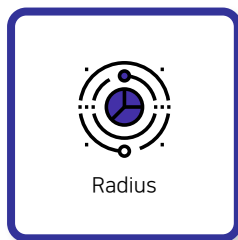
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

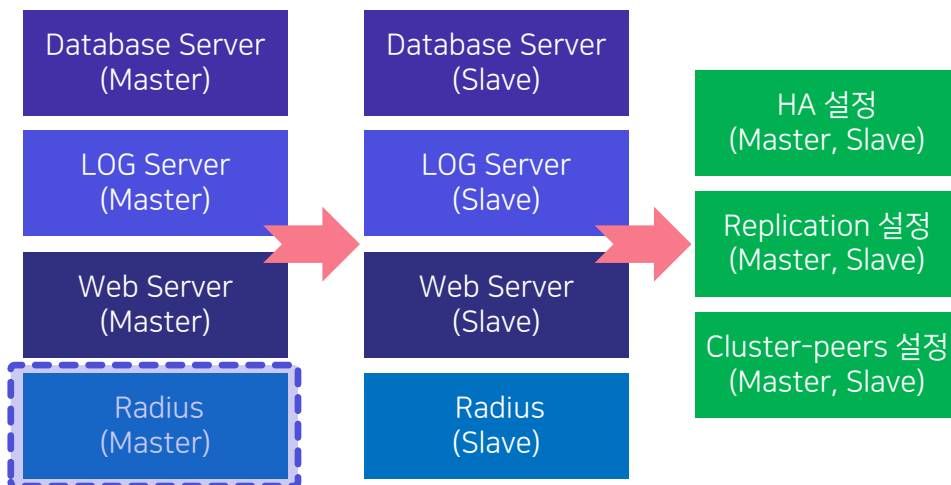
Manual 모드 - HA 구성 CASE 5

Genian NAC

기본구성 - Master (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

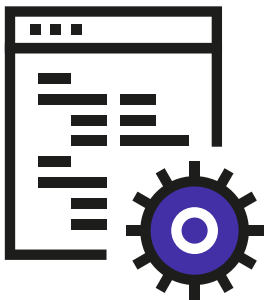
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

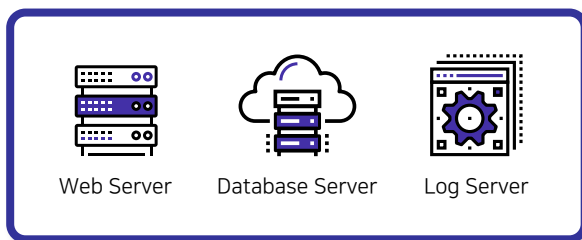
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

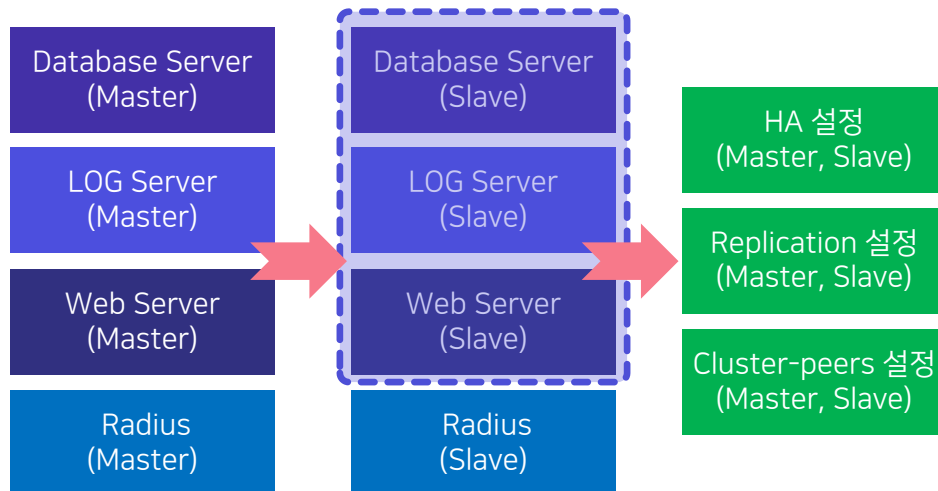
Manual 모드 - HA 구성 CASE 5

Genian NAC

기본구성 - Slave (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

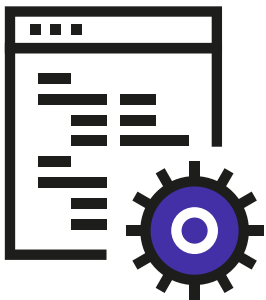
Step 4. Database Server 설정

Step 5. LOG Server 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

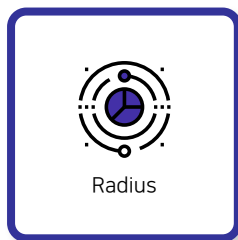
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

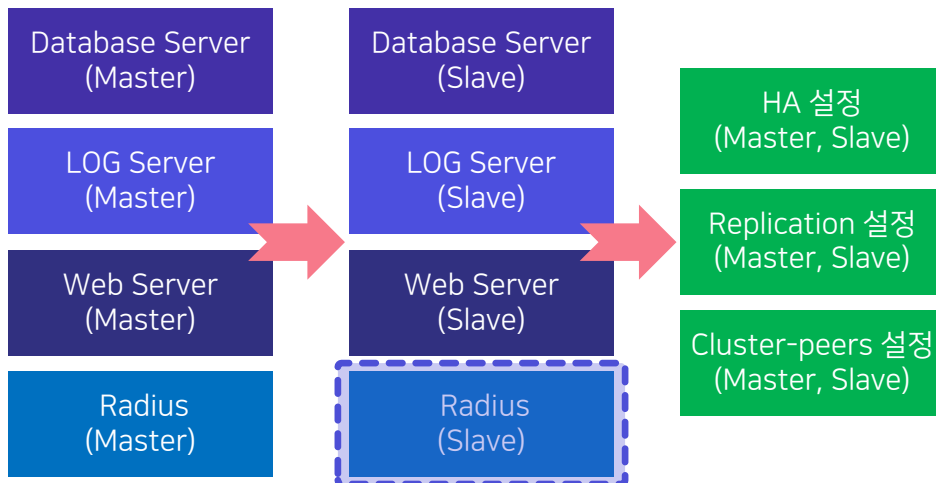
Manual 모드 - HA 구성 CASE 5

Genian NAC

기본구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

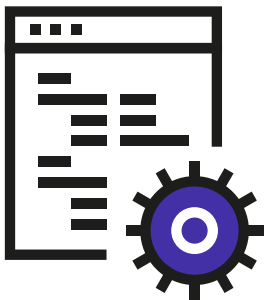
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (RADIUS)



```
data-server ip [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 radius-server enable
```

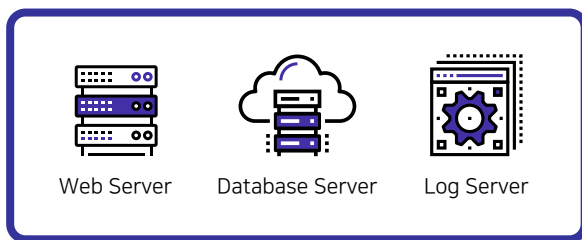
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

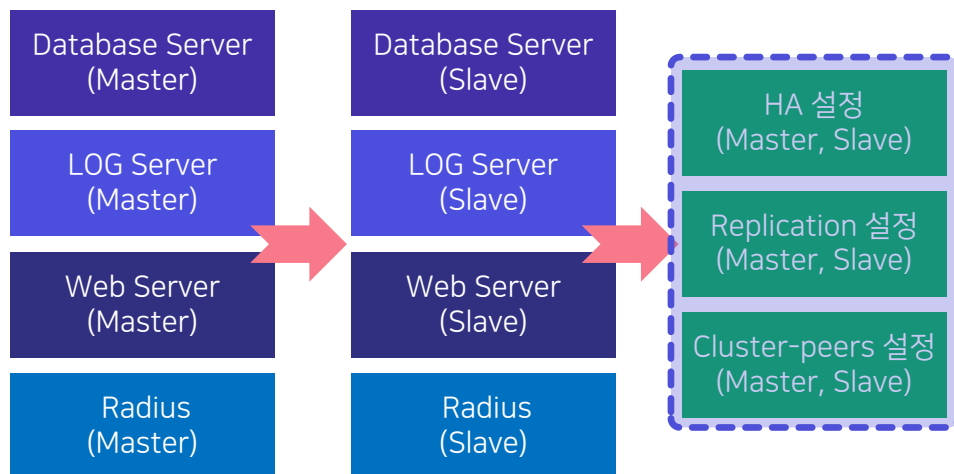
Manual 모드 - HA 구성 CASE 5

Genian NAC

HA 구성 - Master (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

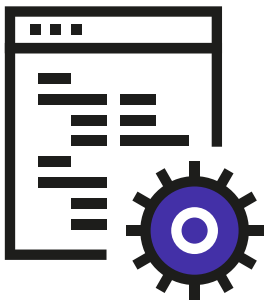
Step 2. HA 설정

Step 3. Database Server ACL 설정 변경

Step 4. Database Server Replication 설정

Step 5. LOG Server Cluster peer 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

device-id [UUID] (자동생성)

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
```

```
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

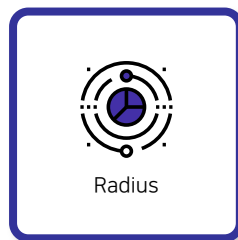
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

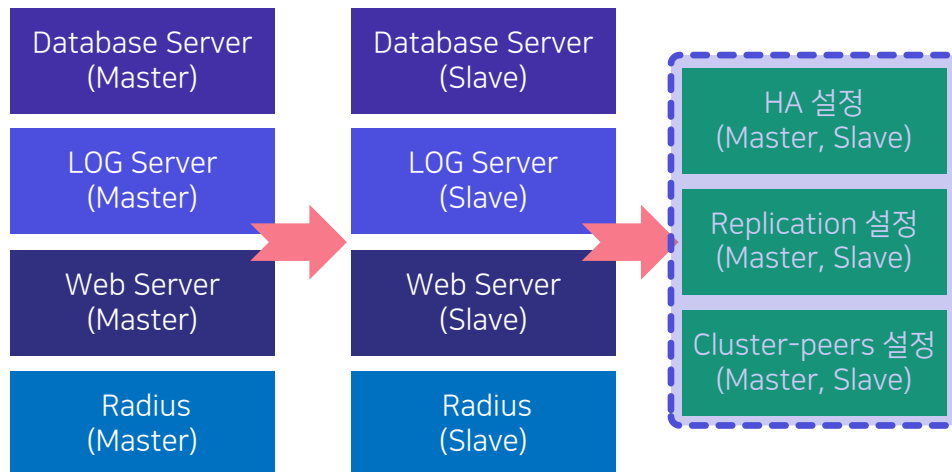
Manual 모드 - HA 구성 CASE 5

Genian NAC

HA 구성 - Master (RADIUS)



※ 설정 시 진행 순서



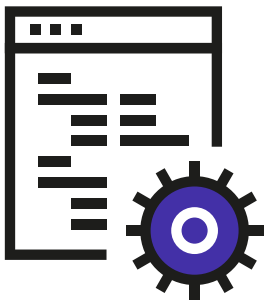
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

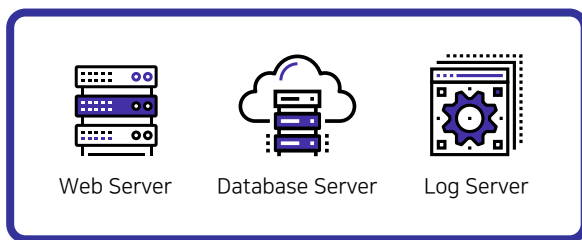
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

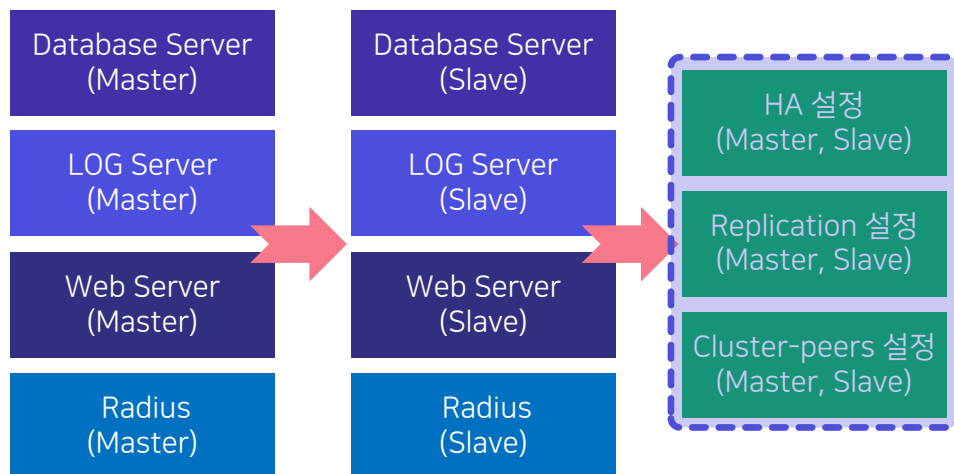
Manual 모드 - HA 구성 CASE 5

Genian NAC

HA 구성 - Slave (WEB + DB + LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. debug 이벤트 설정

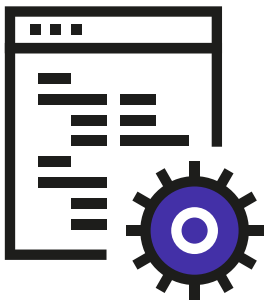
Step 3. HA 설정

Step 4. Database Server ACL 설정 변경

Step 5. Database Server Replication 설정

Step 6. LOG Server Cluster peer 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (WEB + DB + LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
```

```
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
interface eth0 management-server enable
interface eth0 node-server enable
```

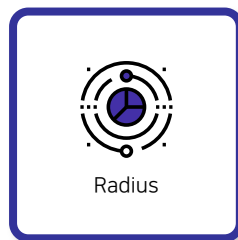
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

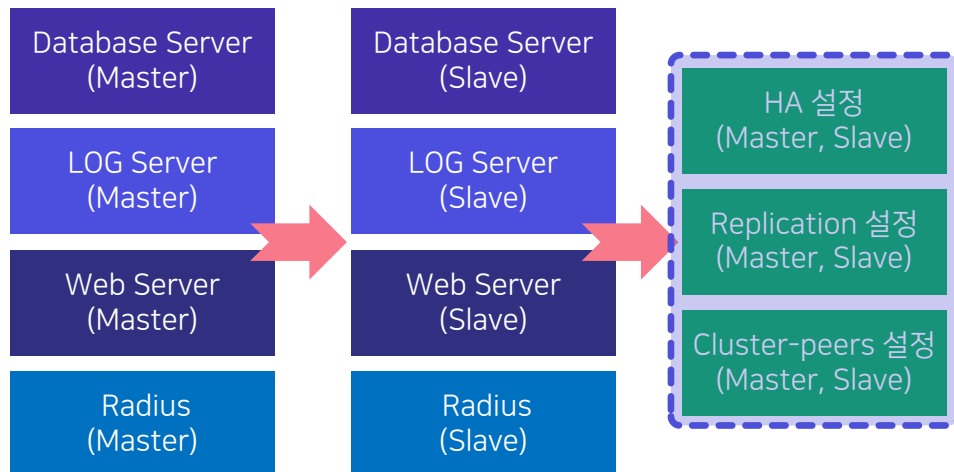
Manual 모드 - HA 구성 CASE 5

Genian NAC

HA 구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

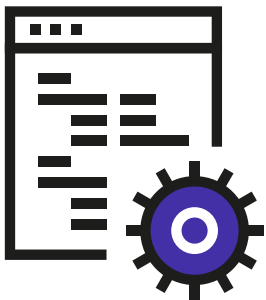
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

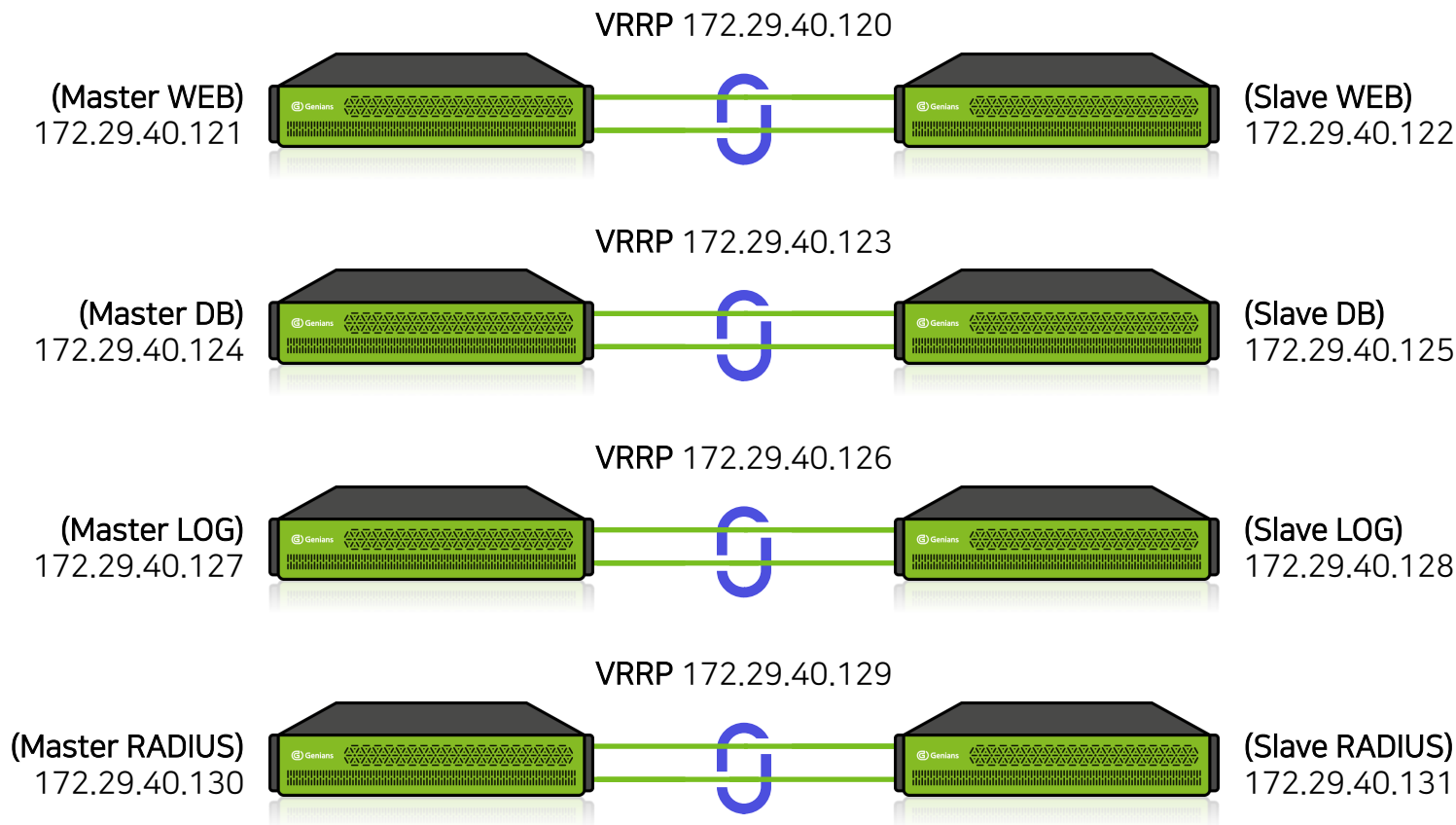
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - HA 구성 CASE 6

Genian NAC

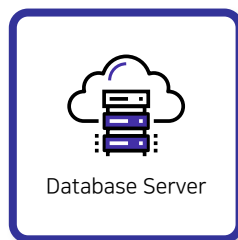
Manual Configuration 모드 - HA 구성 (WEB / DB / LOG / RADIUS)



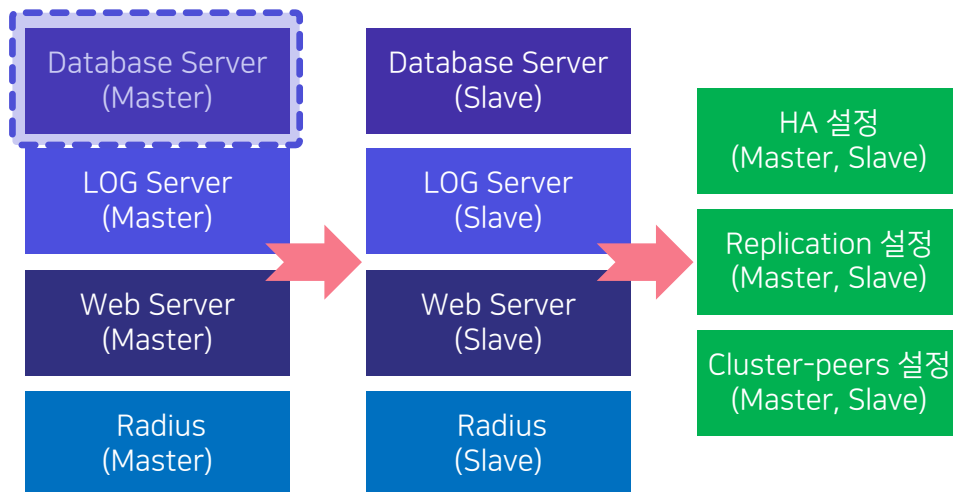
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - HA 구성 CASE 6

기본구성 - Master (DB)



※ 설정 시 진행 순서



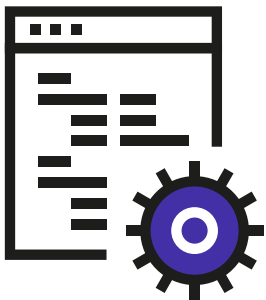
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (DB)



```
data-server enable  
data-server access-list [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]
```

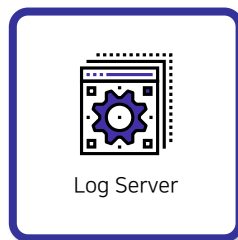
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

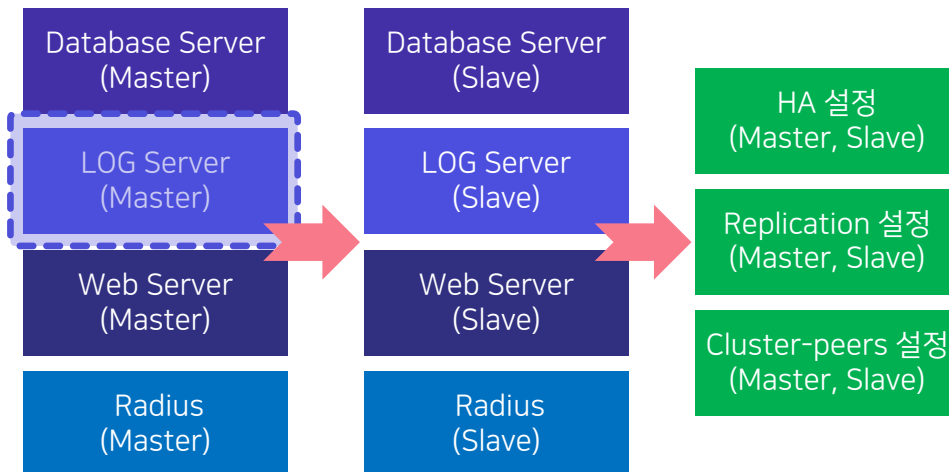
Manual 모드 - HA 구성 CASE 6

Genian NAC

Manual Configuration 모드 - 기본구성 - Master (LOG)



※ 설정 시 진행 순서



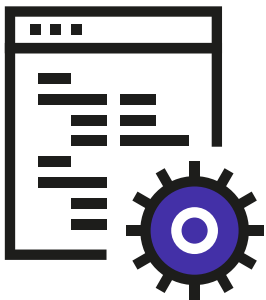
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (LOG)



device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]

interface eth0 gateway [IP]

ip default-gateway [IP]

ip name-server [IP]

log-server enable

log-server cluster-name GENIAN (자동생성)

log-server cluster-peers [IP]

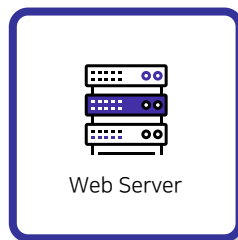
log-server publish-port eth0

node-server ip [IP]

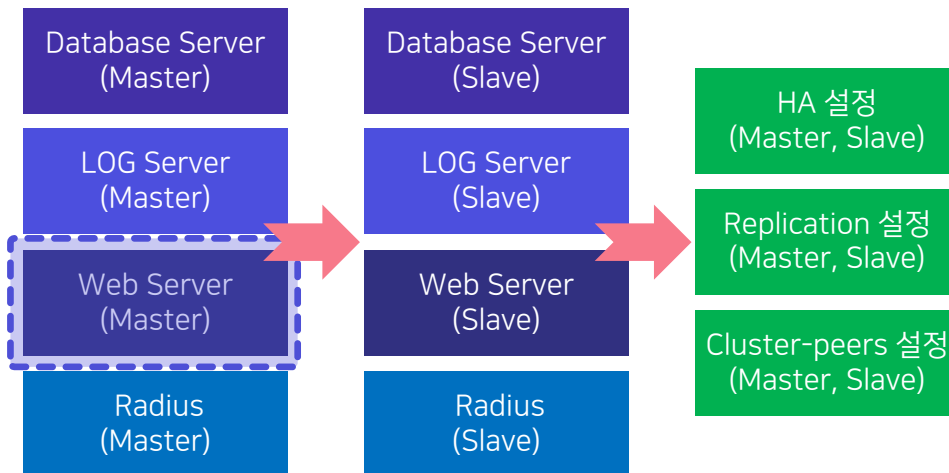
Manual 모드 - HA 구성 CASE 6

Genian NAC

Manual Configuration 모드 - 기본구성 - Master (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

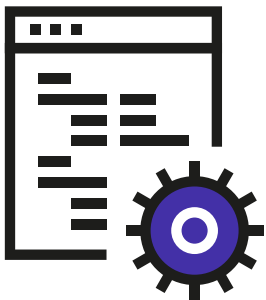
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Master (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

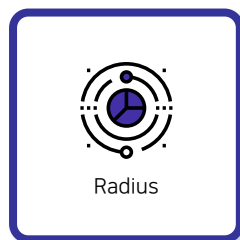
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

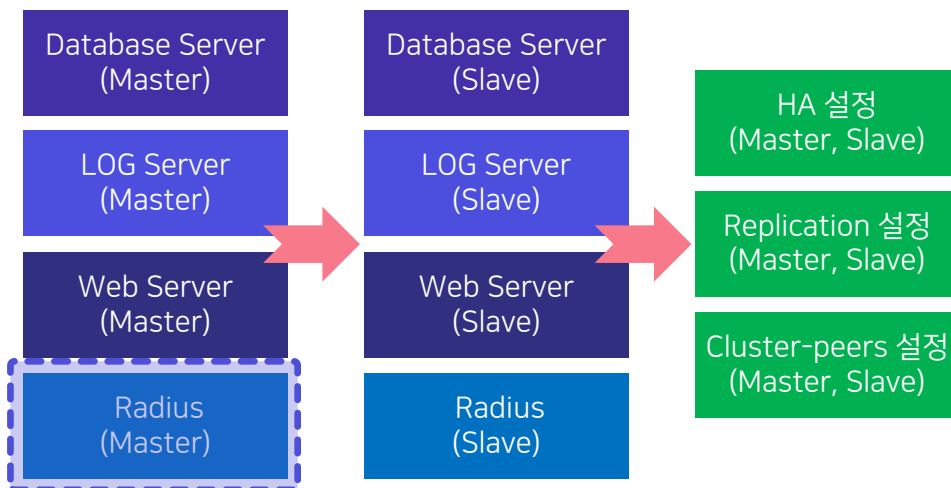
Manual 모드 - HA 구성 CASE 6

Genian NAC

기본구성 - Master (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

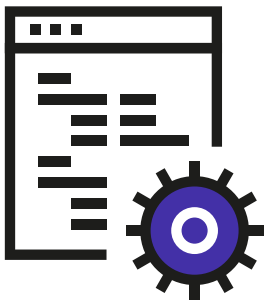
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

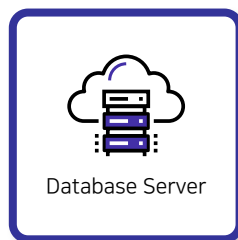
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

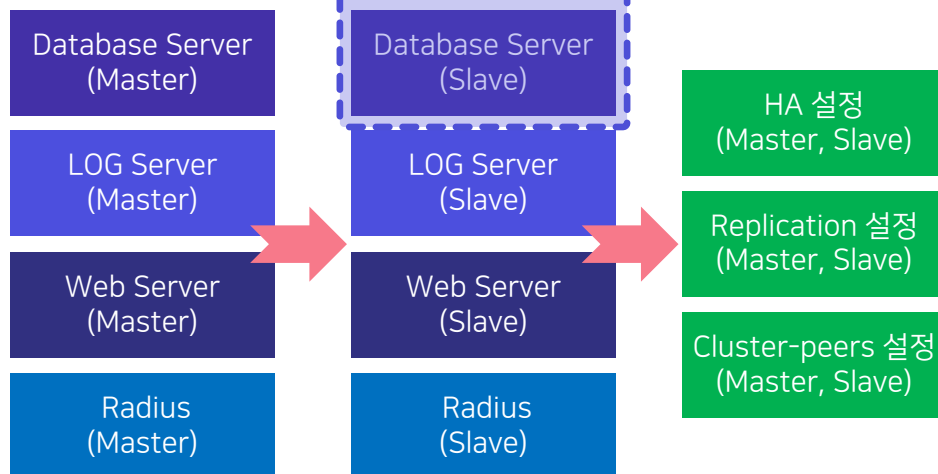
Manual 모드 - HA 구성 CASE 6

Genian NAC

기본구성 - Slave (DB)



※ 설정 시 진행 순서



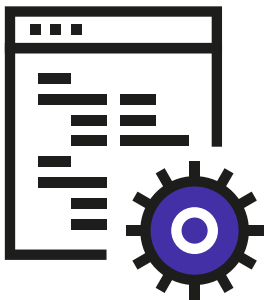
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (DB)



```
data-server enable  
data-server access-list [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]
```

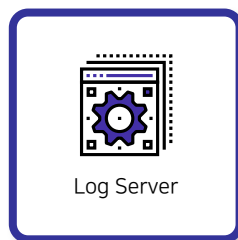
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

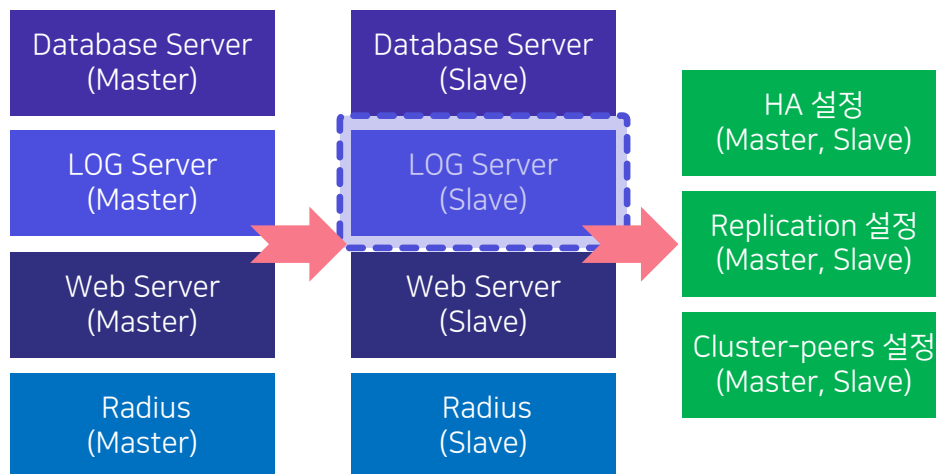
Manual 모드 - HA 구성 CASE 6

Genian NAC

기본구성 - Slave (LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

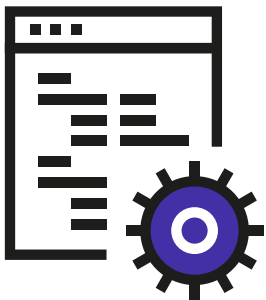
Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual 모드 - HA 구성 CASE 6

Manual Configuration 컨피그 - 기본구성 - Slave (LOG)



device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

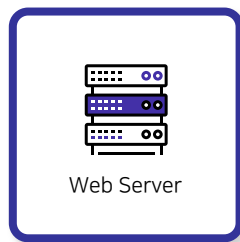
ip default-gateway [IP]
ip name-server [IP]

node-server ip [IP]

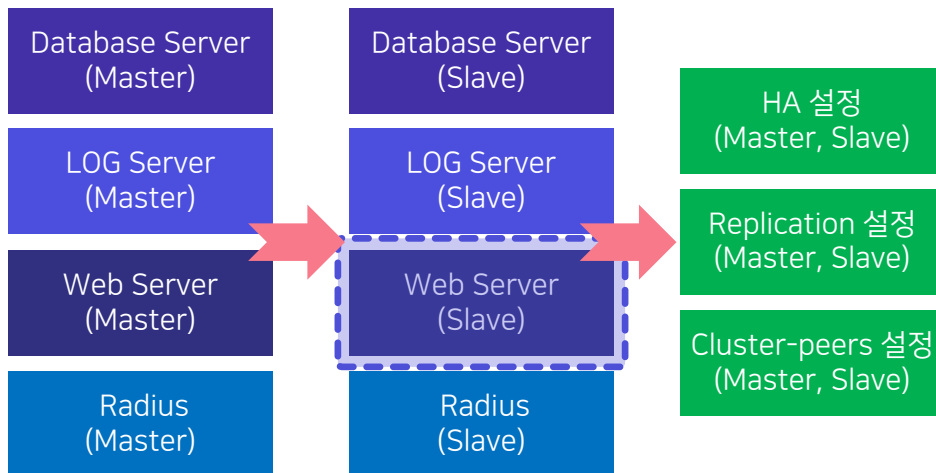
Manual 모드 - HA 구성 CASE 6

Genian NAC

Manual Configuration 모드 - 기본구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

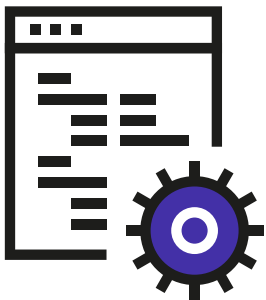
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

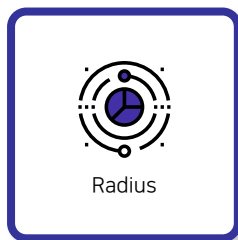
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

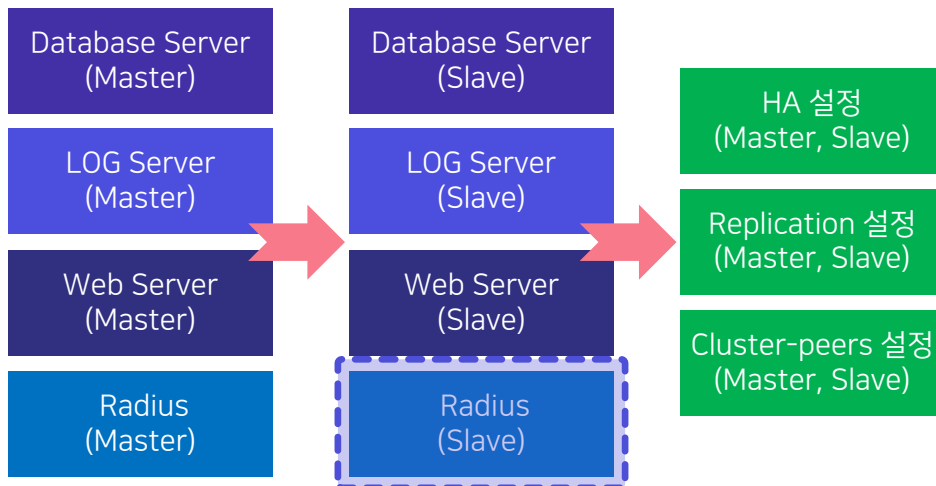
Manual 모드 - HA 구성 CASE 6

Genian NAC

기본구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

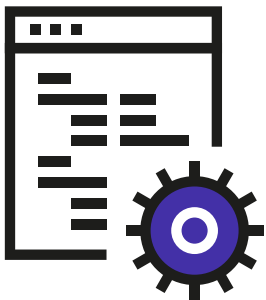
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 radius-server enable
```

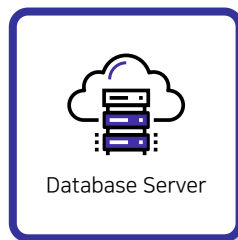
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

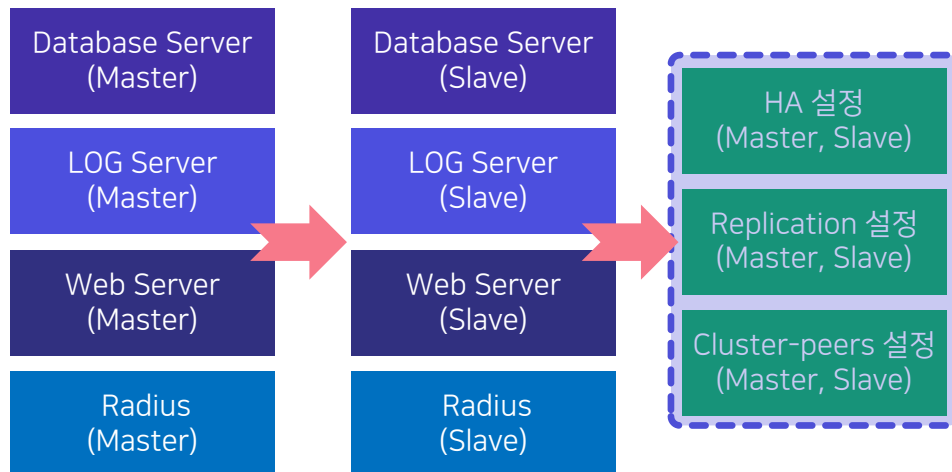
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Master (DB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

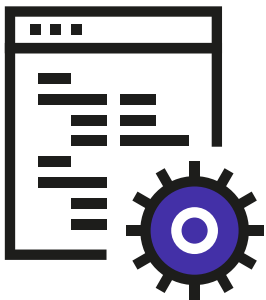
Step 2. HA 설정

Step 3. Data Server ACL 설정 변경

Step 4. Data Server Replication 설정

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (DB)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

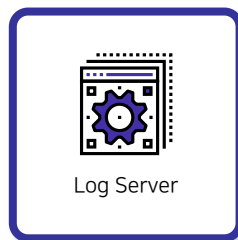
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

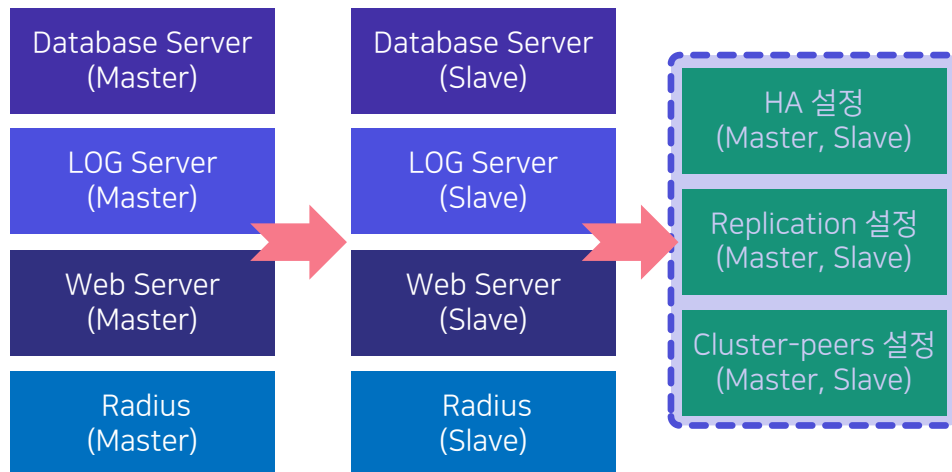
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Master (LOG)



※ 설정 시 진행 순서



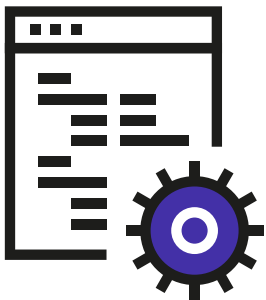
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. LOG Server Cluster peer 설정 변경

Step 4. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (LOG)



```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

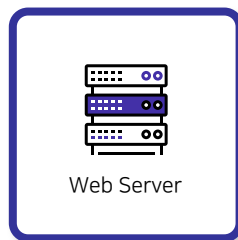
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

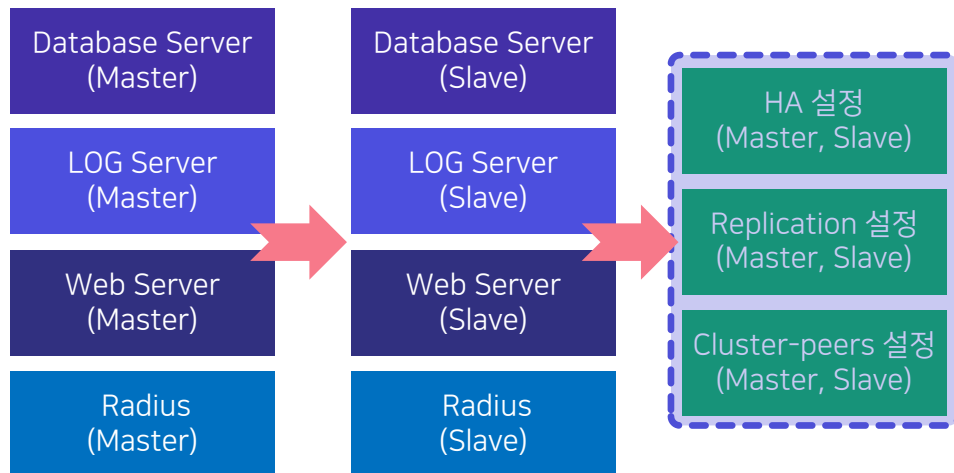
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Master (WEB)



※ 설정 시 진행 순서



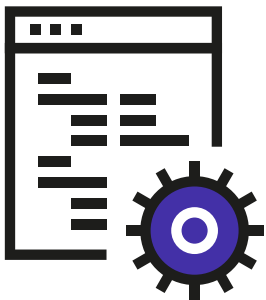
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

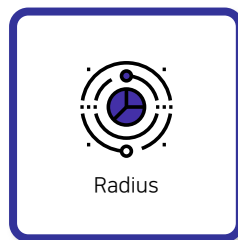
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

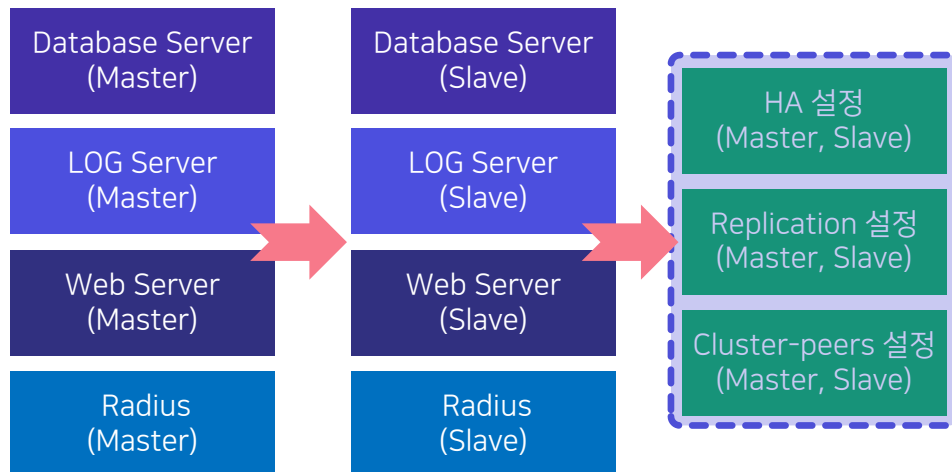
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Master (RADIUS)



※ 설정 시 진행 순서



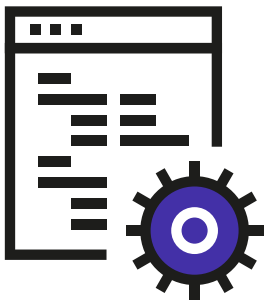
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

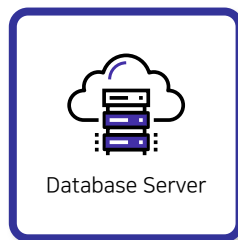
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

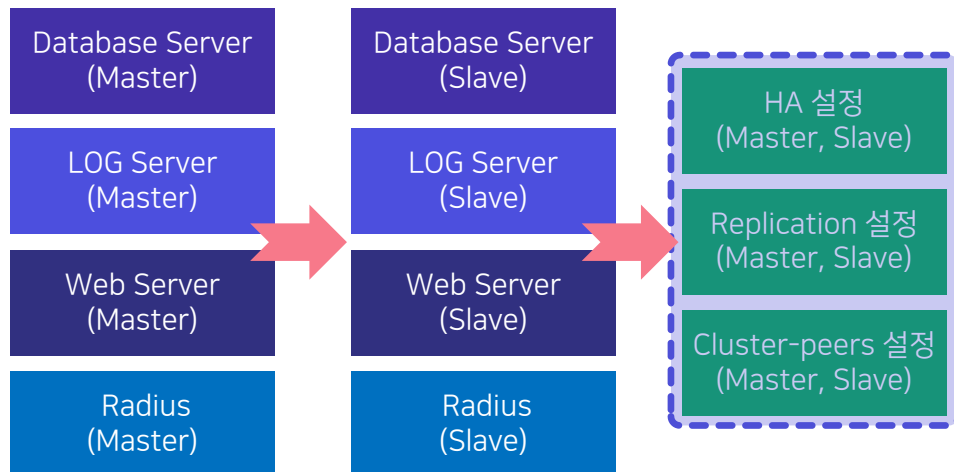
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Slave (DB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. debug 이벤트 설정

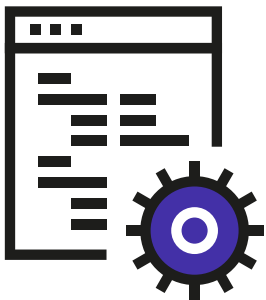
Step 3. HA 설정

Step 4. Data Server ACL 설정 변경

Step 5. Data Server Replication 설정

Step 6. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (DB)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

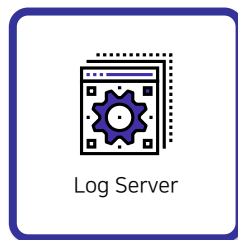
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

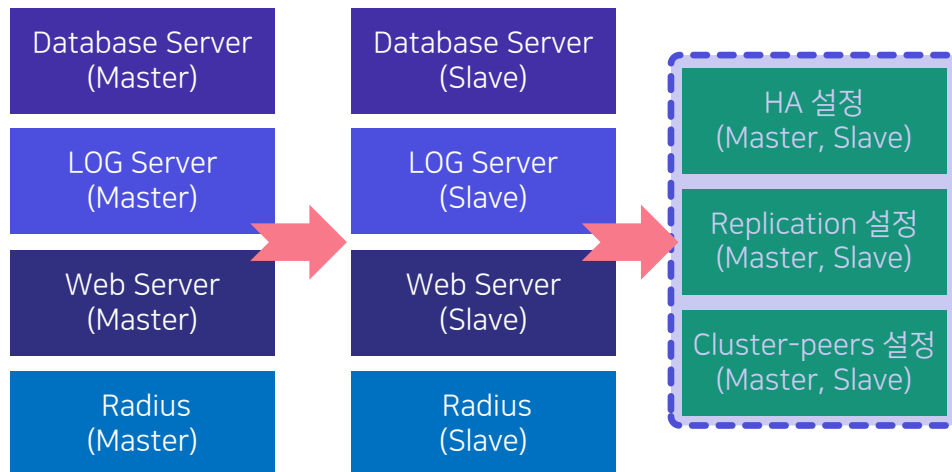
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Slave (LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

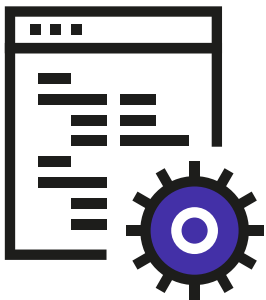
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. LOG Server Cluster peer 설정 변경

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (LOG)



```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

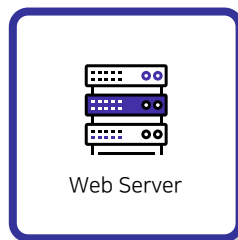
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

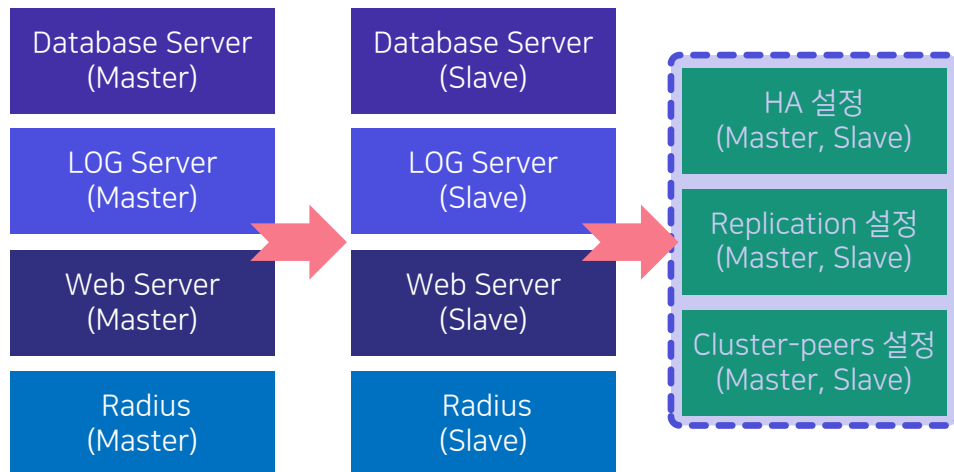
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

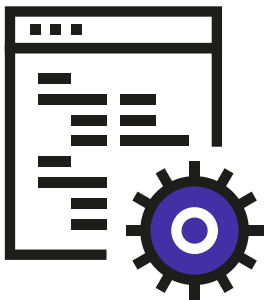
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
```

```
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

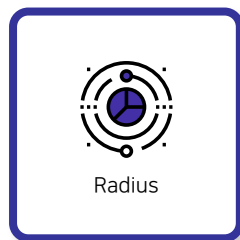
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

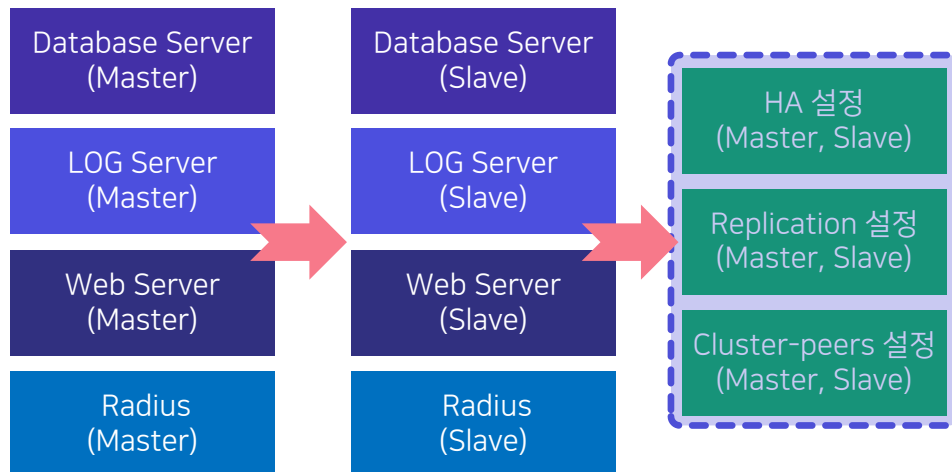
Manual 모드 - HA 구성 CASE 6

Genian NAC

HA 구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

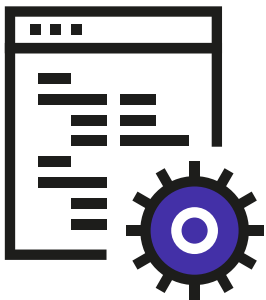
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

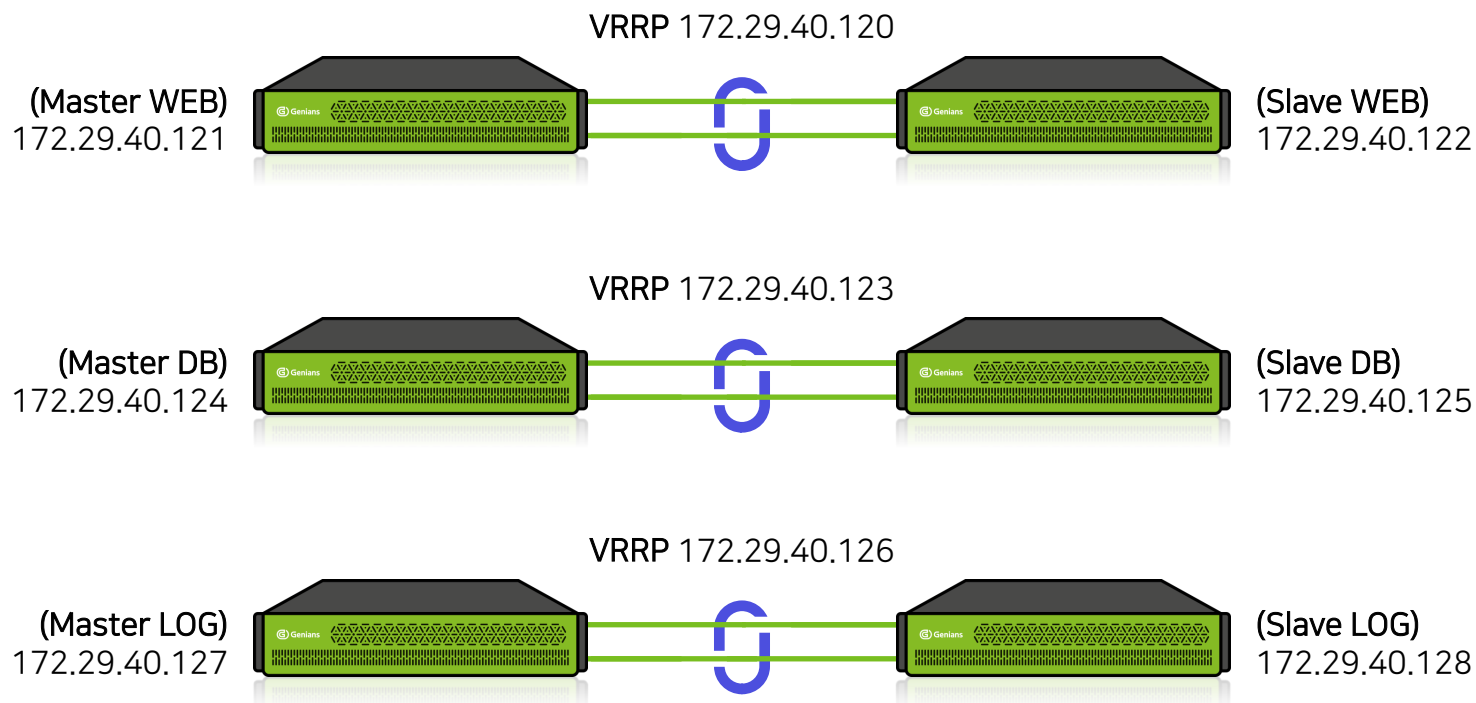
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

Manual 모드 - HA 구성 CASE 7

Genian NAC

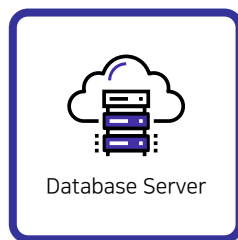
Manual Configuration 모드 - HA 구성 (WEB / DB / LOG)



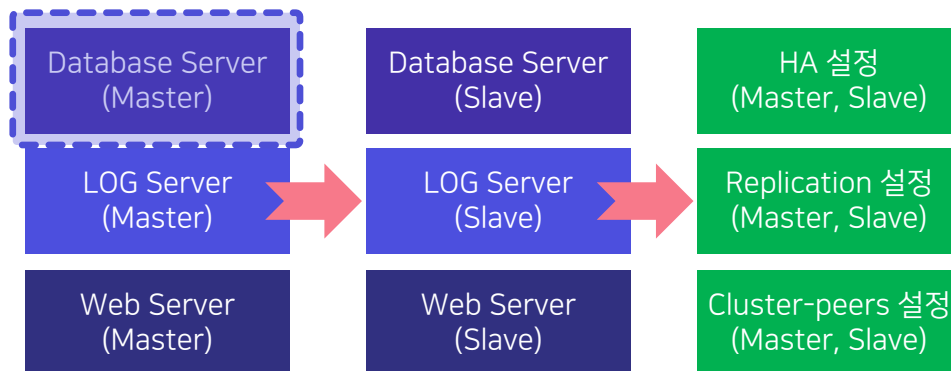
※ 화면에 표시된 IP 주소는 장비 설정 시 교육에 이해를 돕기 위한 참고용이며, 장비 설정 시 확인된 IP 주소를 사용하시기 바랍니다.

Manual 모드 - HA 구성 CASE 7

기본구성 - Master (DB)



※ 설정 시 진행 순서



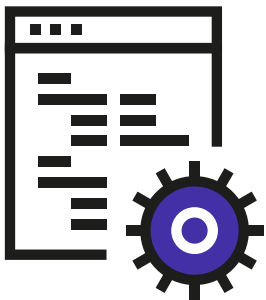
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (DB)



```
data-server enable  
data-server access-list [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]
```

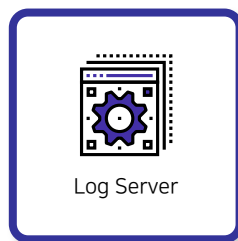
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

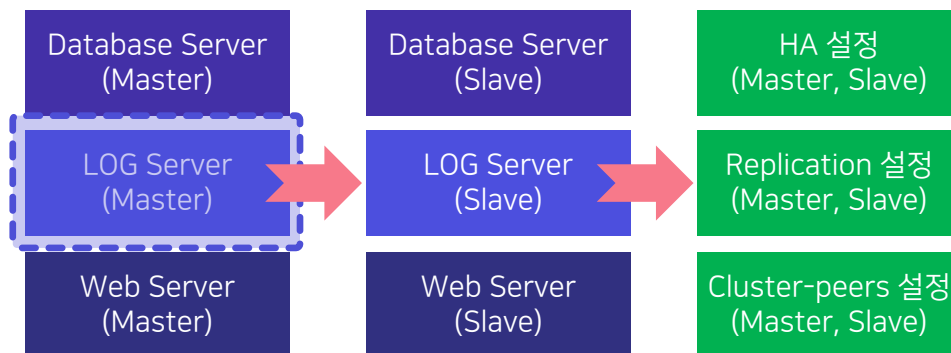
Manual 모드 - HA 구성 CASE 7

Genian NAC

기본구성 - Master (LOG)



※ 설정 시 진행 순서



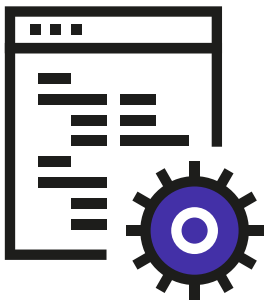
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (LOG)



device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]

interface eth0 gateway [IP]

ip default-gateway [IP]

ip name-server [IP]

log-server enable

log-server cluster-name GENIAN (자동생성)

log-server cluster-peers [IP]

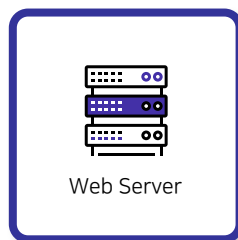
log-server publish-port eth0

node-server ip [IP]

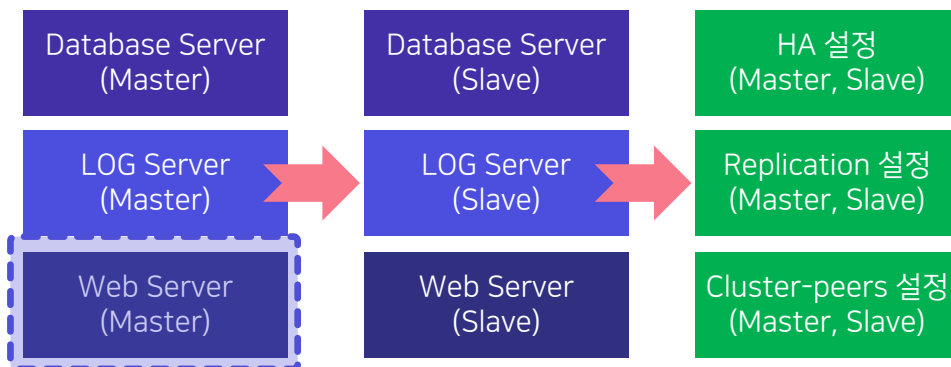
Manual 모드 - HA 구성 CASE 7

Genian NAC

기본구성 - Master (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

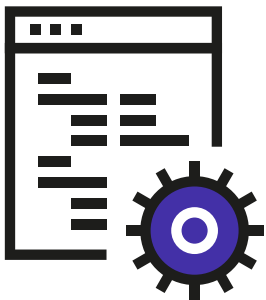
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Master (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

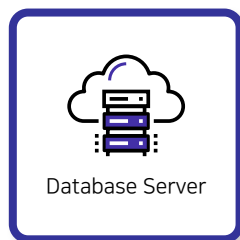
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

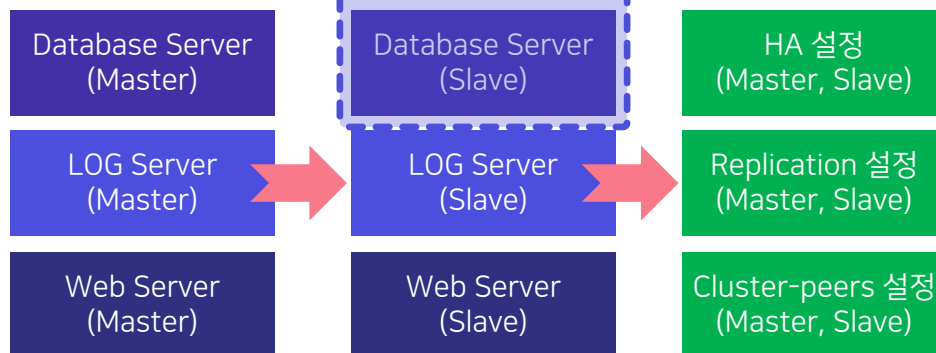
Manual 모드 - HA 구성 CASE 7

Genian NAC

기본구성 - Slave (DB)



※ 설정 시 진행 순서



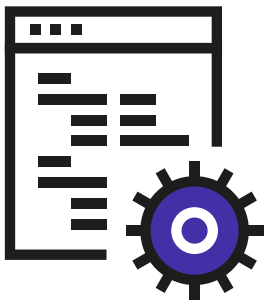
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (DB)



```
data-server enable  
data-server access-list [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]
```

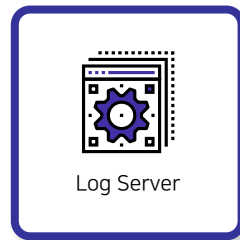
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

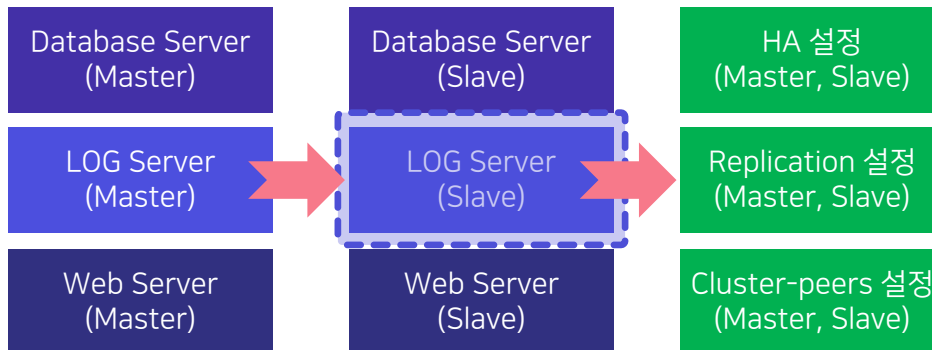
Manual 모드 - HA 구성 CASE 7

Genian NAC

기본구성 - Slave (LOG)



※ 설정 시 진행 순서



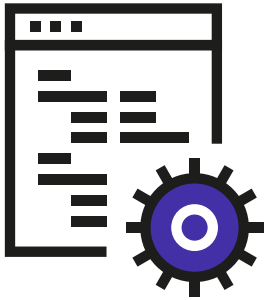
Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. LOG Server 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (LOG)



device-id [UUID] (자동생성)

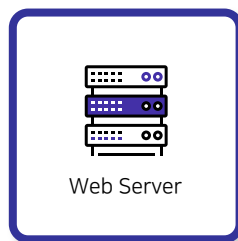
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

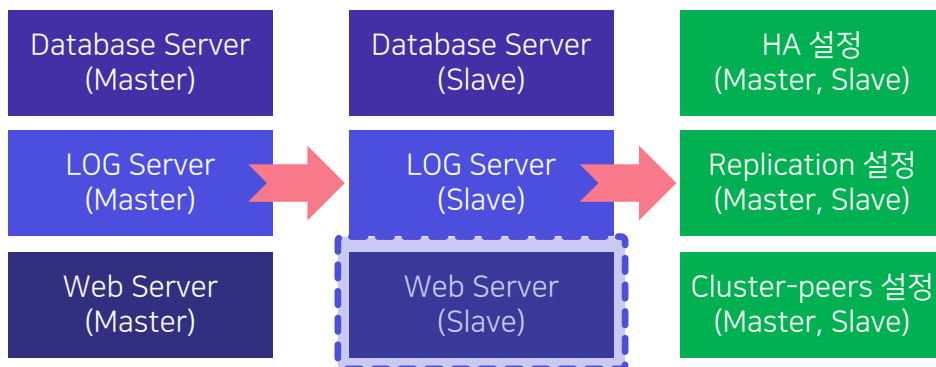
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

기본구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

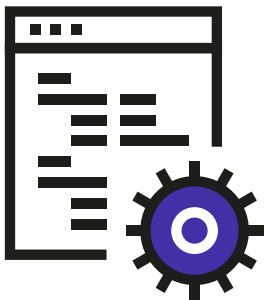
Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual Configuration 컨피그 - 기본구성 - Slave (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

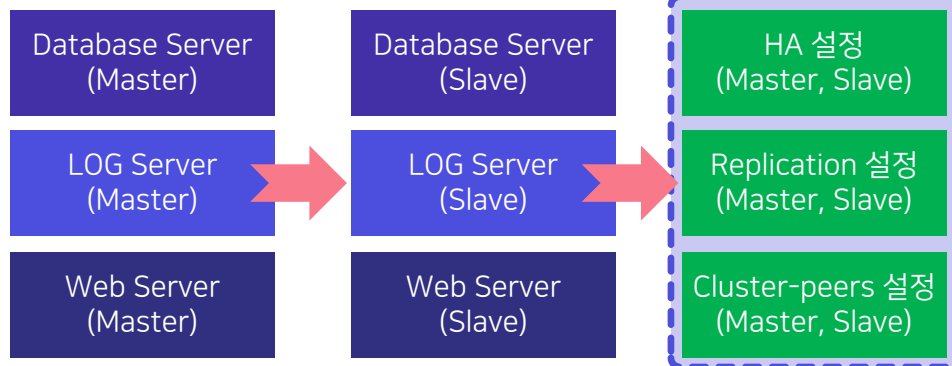
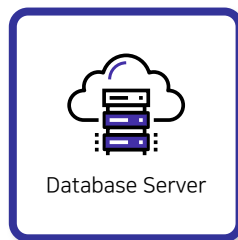
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

Manual 모드 - HA 구성 CASE 7

Genian NAC

HA 구성 - Master (DB)



Step 1. Debug 이벤트 설정

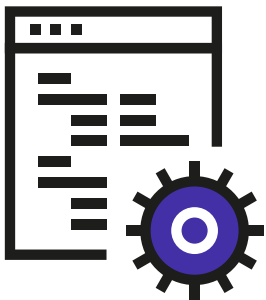
Step 2. HA 설정

Step 3. Data Server ACL 설정 변경

Step 4. Data Server Replication 설정

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (DB)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

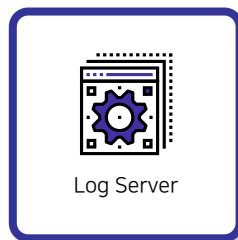
```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

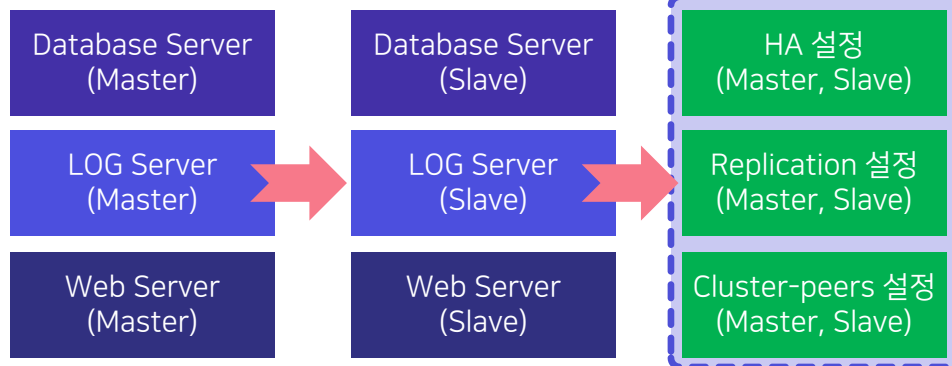
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

HA 구성 - Master (LOG)



※ 설정 시 진행 순서



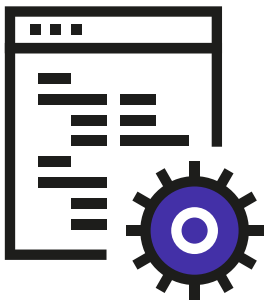
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. LOG Server Cluster peer 설정 변경

Step 4. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (LOG)



```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

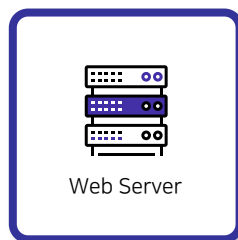
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

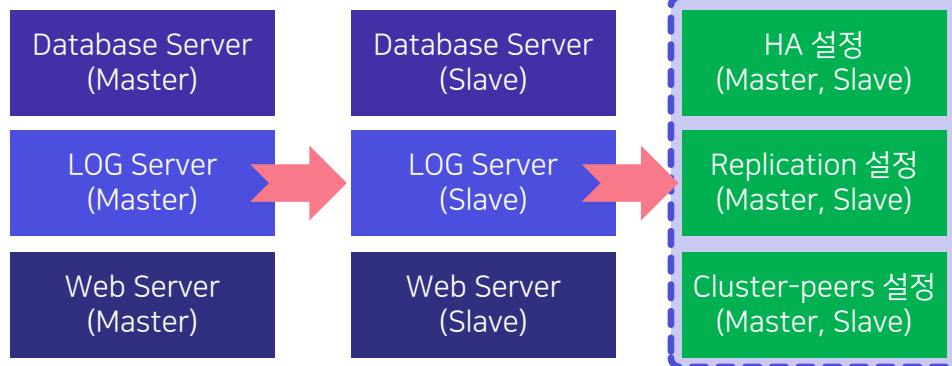
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

HA 구성 - Master (WEB)



※ 설정 시 진행 순서



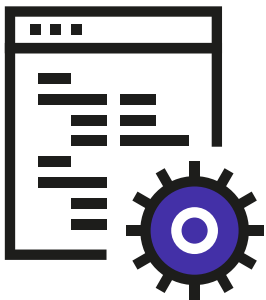
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

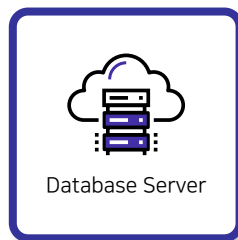
```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

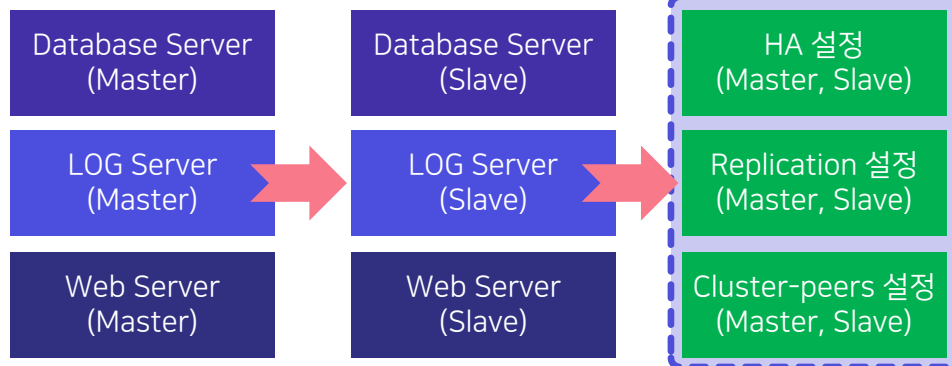
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

HA 구성 - Slave (DB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. Debug 이벤트 설정

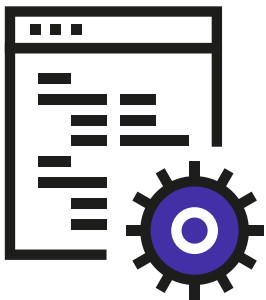
Step 3. HA 설정

Step 4. Data Server ACL 설정 변경

Step 5. Data Server Replication 설정

Step 6. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (DB)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

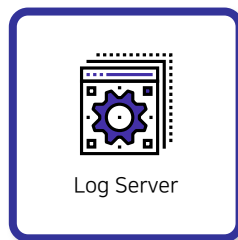
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

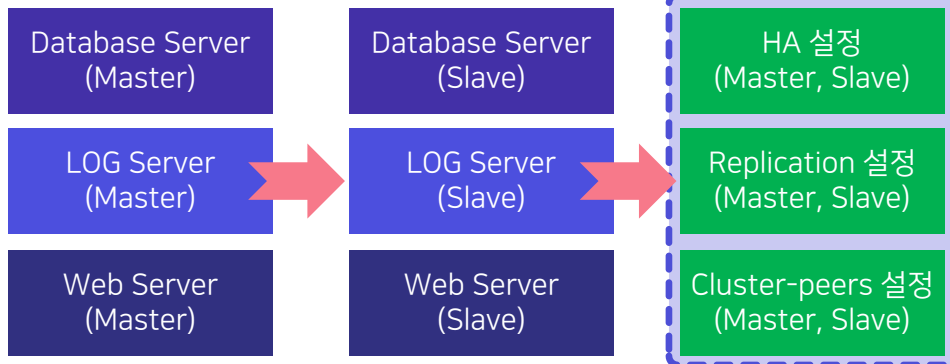
Manual 모드 - HA 구성 CASE 7

Genian NAC

HA 구성 - Slave (LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

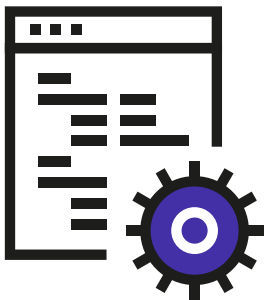
Step 2. debug 이벤트 설정

Step 3. HA 설정

Step 4. LOG Server Cluster peer 설정 변경

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (LOG)



```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

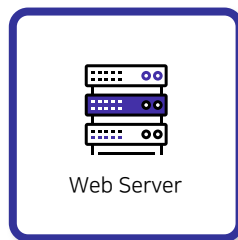
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

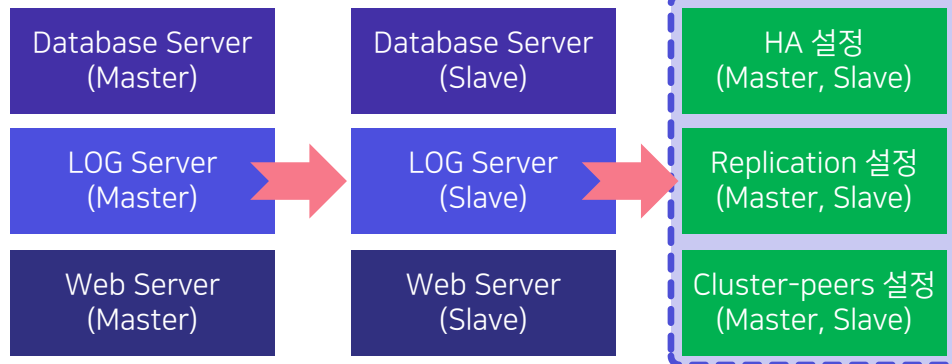
Manual 모드 - HA 구성 CASE 7

Genian NAC

HA 구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

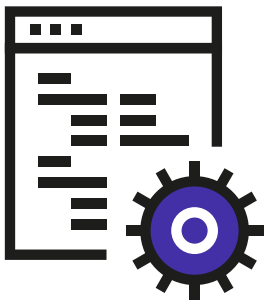
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

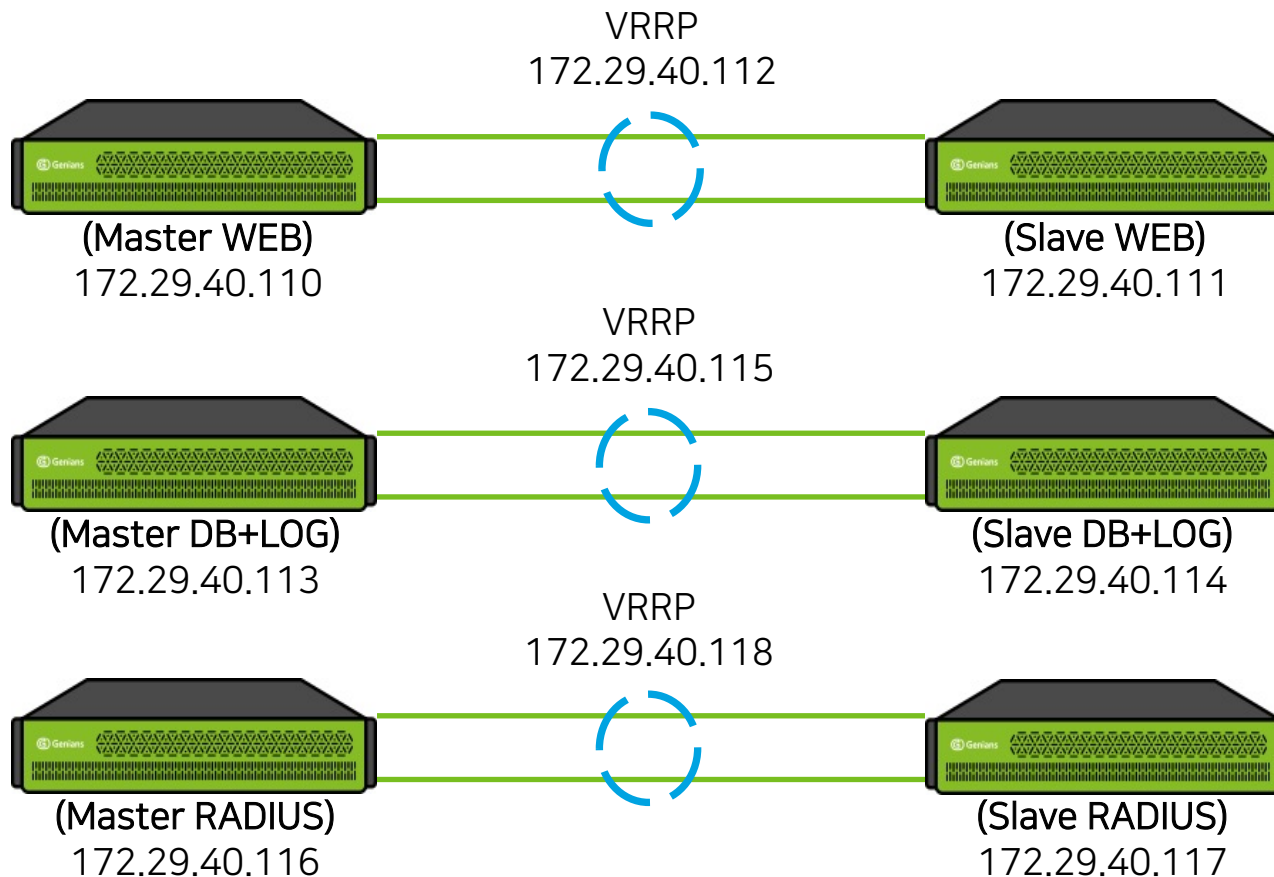
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

Manual 모드 - HA 구성 CASE 8

Genian NAC

Manual Configuration 모드 - HA 구성 (WEB / DB + LOG / RADIUS)

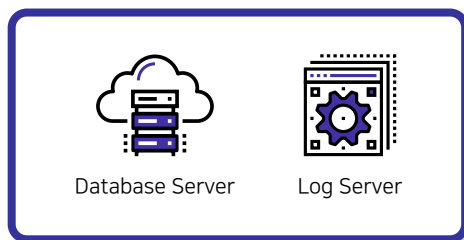


※ 화면에 표시된 IP주소는 장비 설정 시 교육에 이해를 돕기 위한 참고 용이며, 장비 설정 시 확인된 IP주소를 사용하시기 바랍니다.

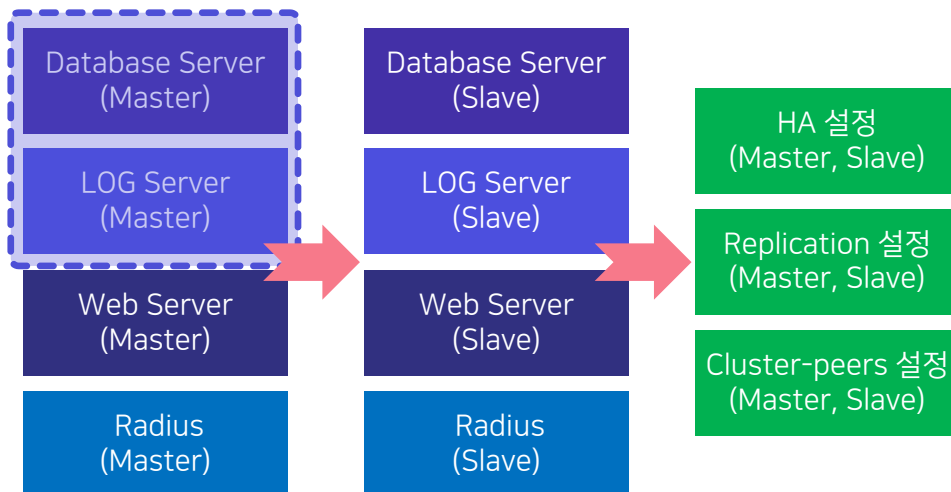
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Master (DB+LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

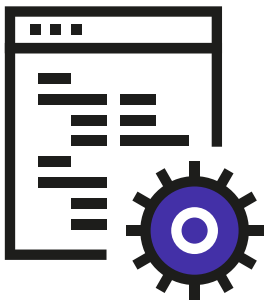
Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual 모드 - HA 구성 CASE 8

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (DB+LOG)



data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

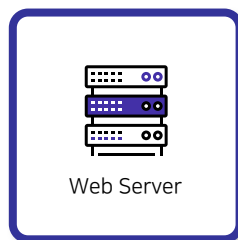
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0

node-server ip [IP]

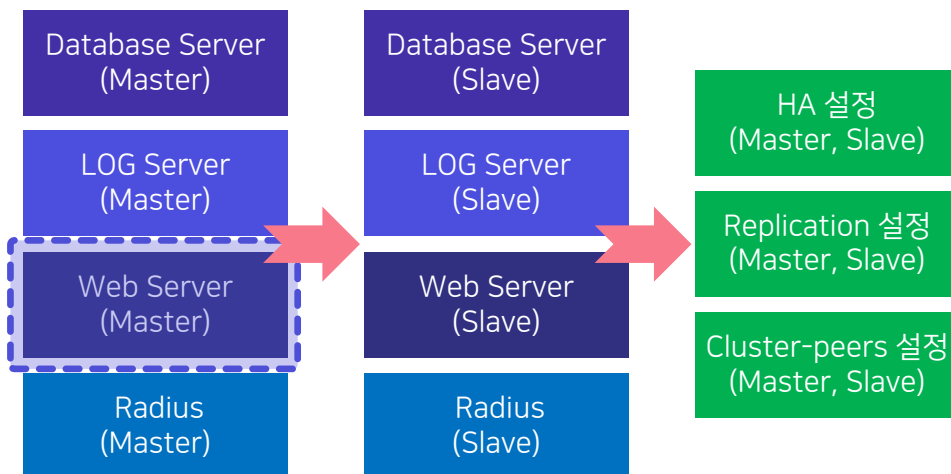
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Master (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

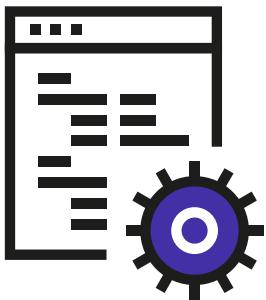
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 8

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Master (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

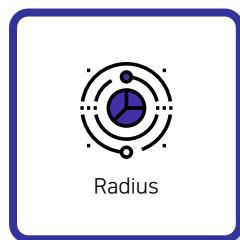
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

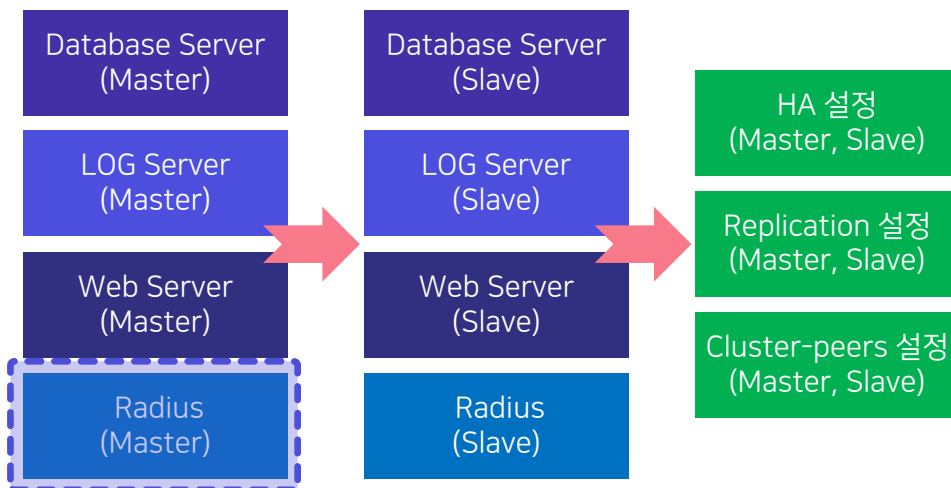
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Master (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

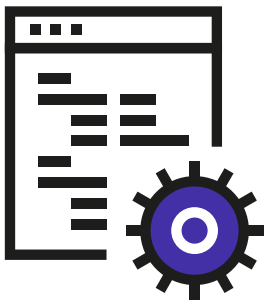
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Master (RADIUS)



```
data-server ip [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 radius-server enable
```

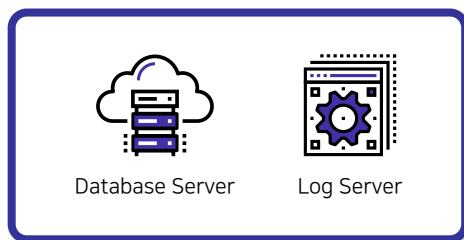
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

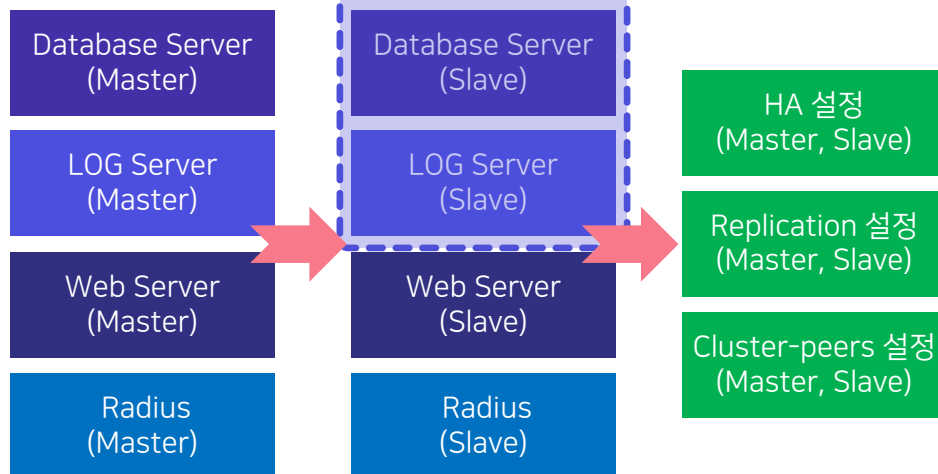
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Slave (DB+LOG)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

Step 2. DNS, Default Gateway 설정

Step 3. Database Server 설정

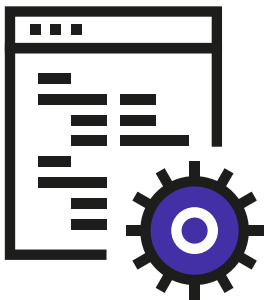
Step 4. LOG Server 설정

Step 5. Node Server IP 설정

Manual 모드 - HA 구성 CASE 8

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Slave (DB+LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

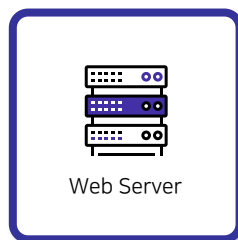
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

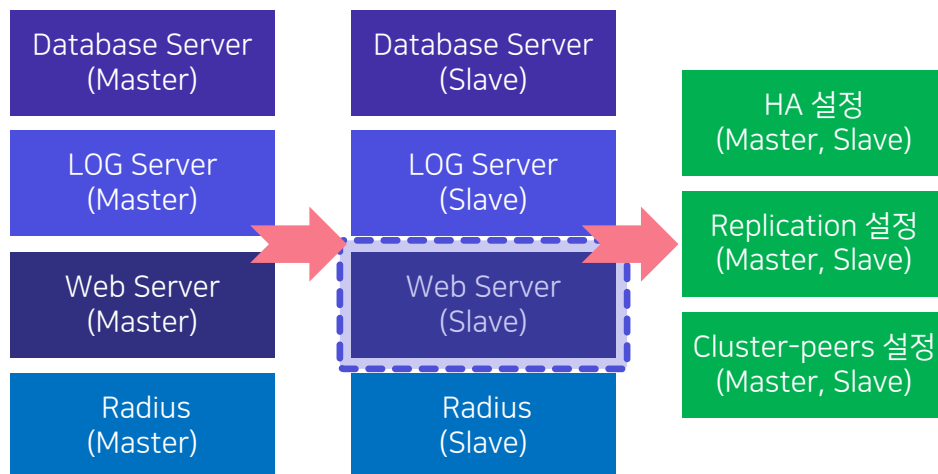
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. IP, Gateway 설정

Step 3. DNS, Default Gateway 설정

Step 4. 데이터베이스 IP, ID, Password 설정

Step 5. LOG Server IP 설정

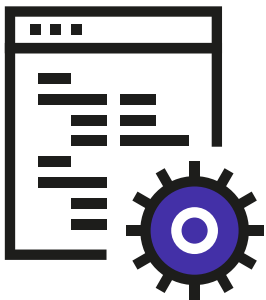
Step 6. Web, SOAP Server 설정

Step 7. 관리자 계정 설정

Manual 모드 - HA 구성 CASE 8

Genian NAC

Manual Configuration 컨피그 - 기본구성 - Slave (WEB)



data-server ip [IP]
data-server password [String]
data-server username [String]

debug centerd category 0xffffffff
debug centerd field 0x319

device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 management-server enable
interface eth0 node-server enable

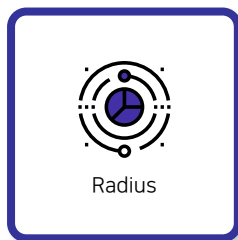
ip default-gateway [IP]
ip name-server [IP]

log-server cluster-name GENIAN (자동생성)
log-server ip [IP]

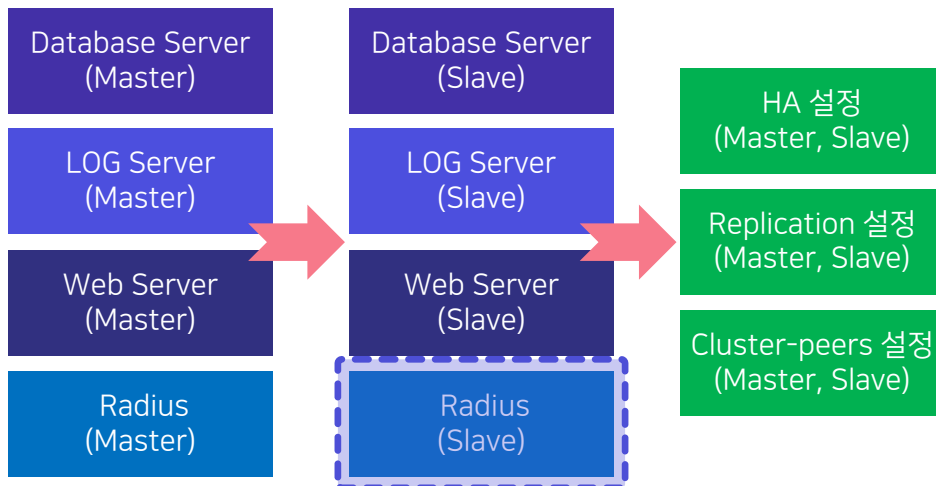
Manual 모드 - HA 구성 CASE 8

Genian NAC

기본구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. IP, Gateway 설정

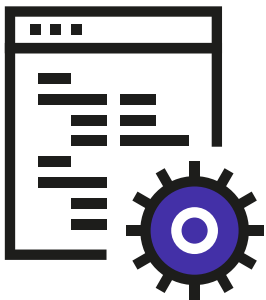
Step 2. DNS, Default Gateway 설정

Step 3. 데이터베이스 IP, ID, Password 설정

Step 4. Radius Server 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - Slave (RADIUS)



```
data-server ip [IP]  
data-server password [String]  
data-server username [String]
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 radius-server enable
```

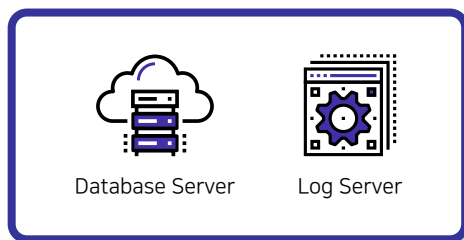
```
ip default-gateway [IP]  
ip name-server [IP]
```

```
node-server ip [IP]
```

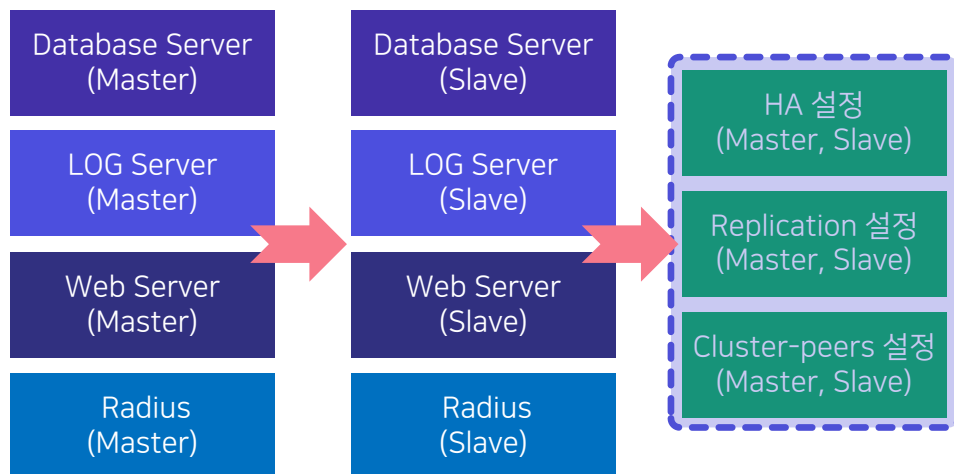
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Master (DB+LOG)



※ 설정 시 진행 순서



Step 1. Debug 이벤트 설정

Step 2. HA 설정

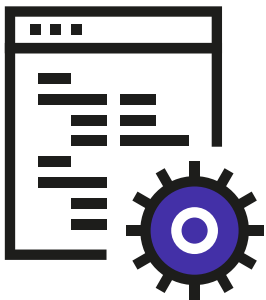
Step 3. Database Server ACL 설정 변경

Step 4. Database Replication 설정

Step 5. LOG Server Cluster peer 설정 변경

Step 6. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (DB+LOG)



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica serverid [Number]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

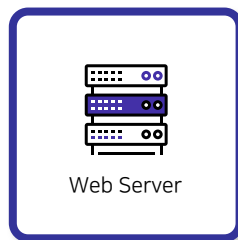
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

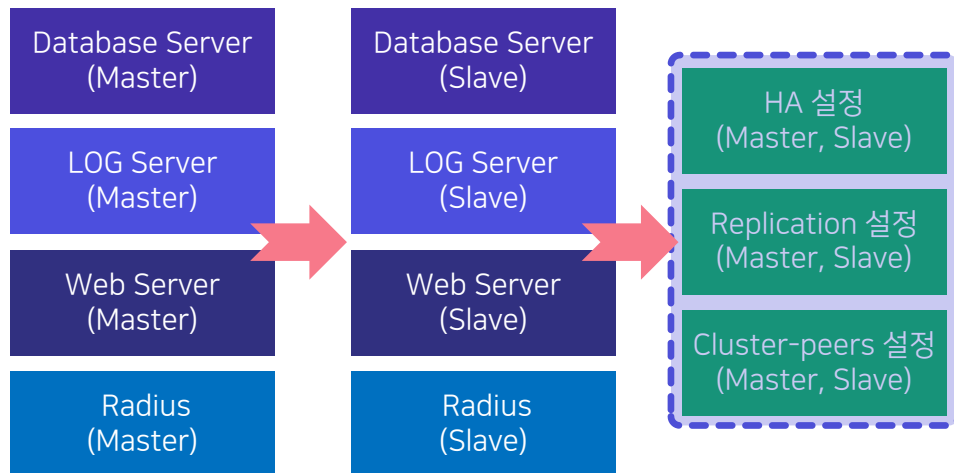
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Master (WEB)



※ 설정 시 진행 순서



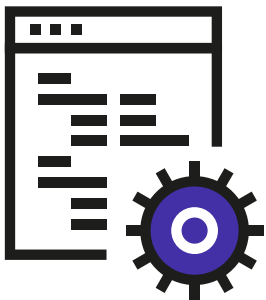
Step 1. Debug 이벤트 설정

Step 2. HA설정

Step 3. Data Server IP 설정 변경

Step 4. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

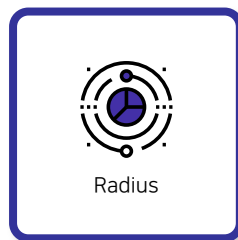
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

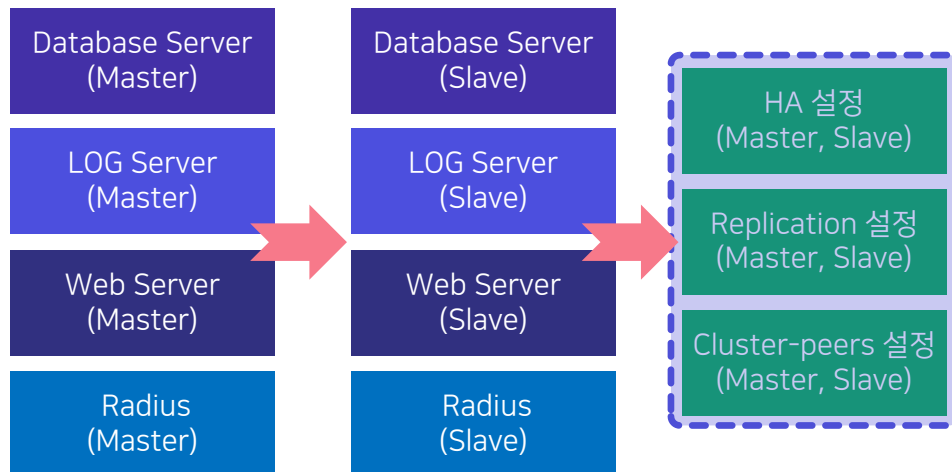
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Master (RADIUS)



※ 설정 시 진행 순서



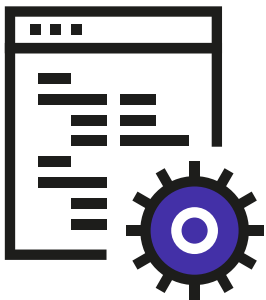
Step 1. Debug 이벤트 설정

Step 2. HA 설정

Step 3. Data Server IP 설정 변경

Step 4. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Master (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (자동생성)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

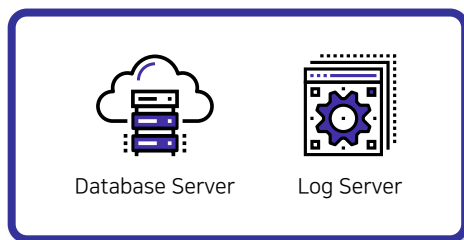
```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

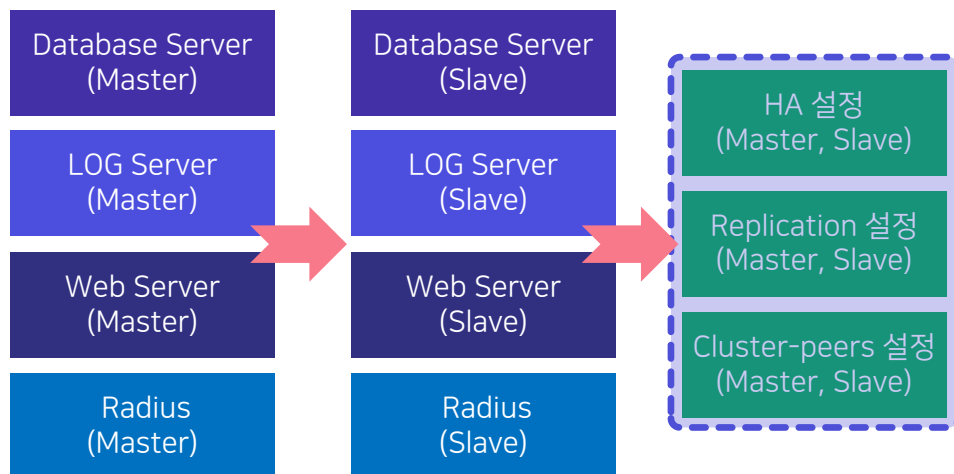
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Slave (DB+LOG)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

Step 2. Debug 이벤트 설정

Step 3. HA 설정

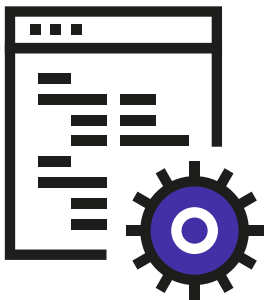
Step 4. Database Server ACL 설정 변경

Step 5. Database Replication 설정

Step 6. LOG Server Cluster peer 설정 변경

Step 7. Node Server IP 설정 변경

Manual Configuration 컨피그 - Slave(DB+LOG) HA 설정



```
data-server enable
data-server access-list [IP]
data-server password [String]
data-server replica enable
data-server replica password [String]
data-server replica serverid [Number]
data-server replica username [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

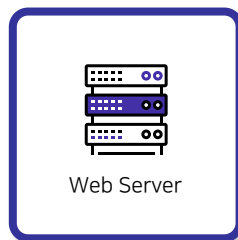
```
log-server enable
log-server cluster-name GENIAN (자동생성)
log-server cluster-peers [IP]
log-server publish-port eth0
```

```
node-server ip [IP]
```

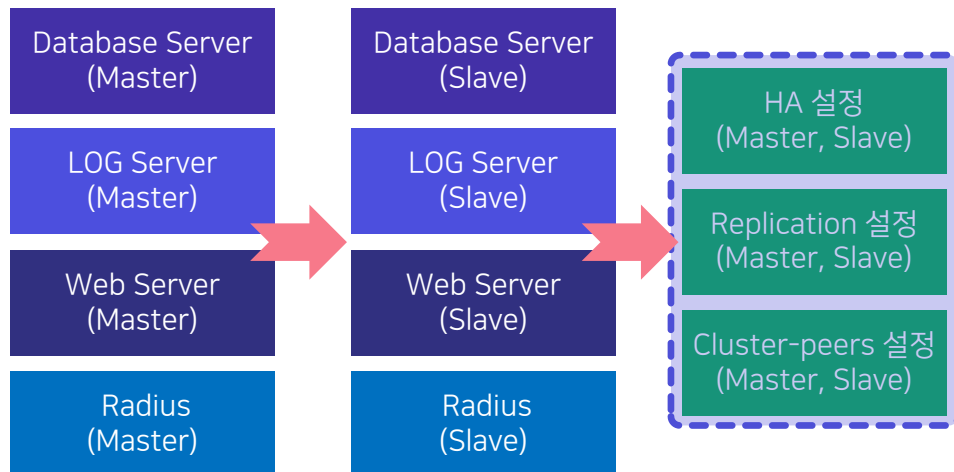
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Slave (WEB)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

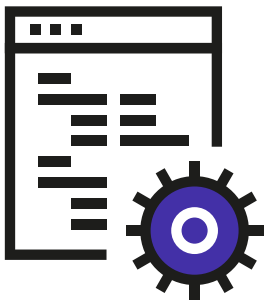
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. LOG Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (WEB)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug centerd category 0xffffffff
debug centerd field 0x319
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 management-server enable
interface eth0 node-server enable
```

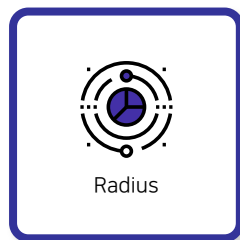
```
ip default-gateway [IP]
ip name-server [IP]
```

```
log-server cluster-name GENIAN (자동생성)
log-server ip [IP]
```

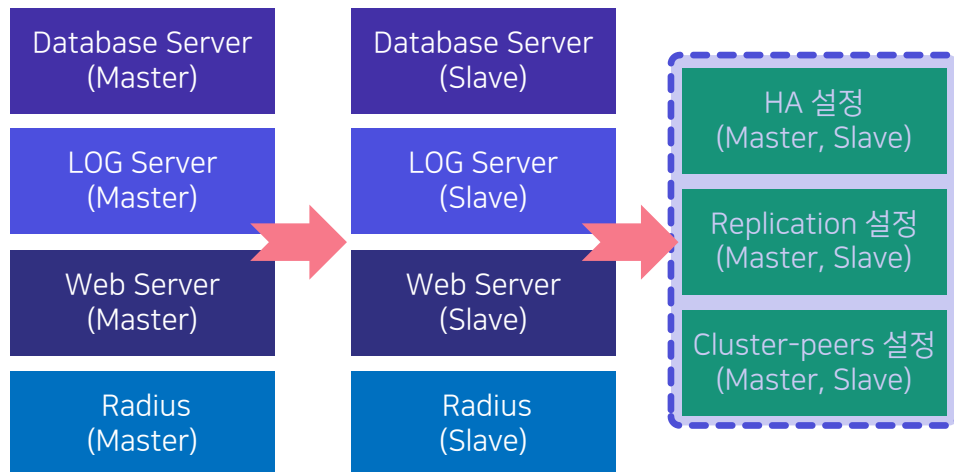
Manual 모드 - HA 구성 CASE 8

Genian NAC

HA 구성 - Slave (RADIUS)



※ 설정 시 진행 순서



Step 1. Master 장비의 Device-id 설정

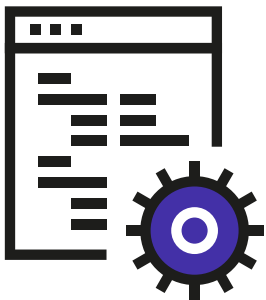
Step 2. Debug 이벤트 설정

Step 3. HA 설정

Step 4. Data Server IP 설정 변경

Step 5. Node Server IP 설정 변경

Manual Configuration 컨피그 - HA 구성 - Slave (RADIUS)



```
data-server ip [IP]
data-server password [String]
data-server username [String]
```

```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

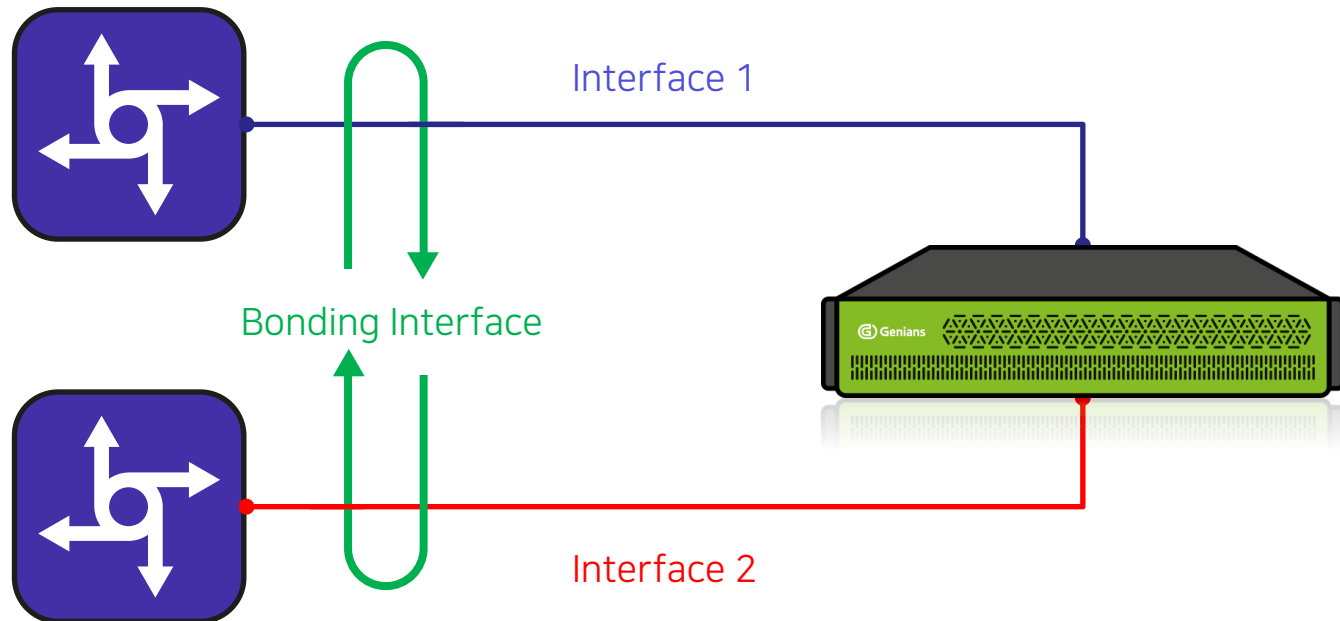
```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
interface eth0 radius-server enable
```

```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

정책서버 공통 설정

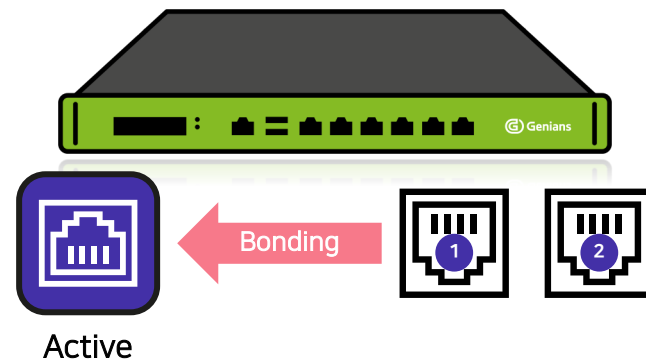
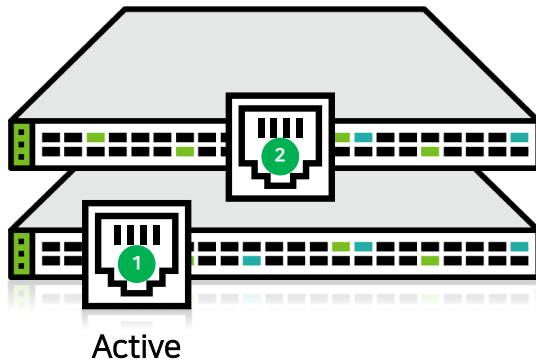
Interface Bonding



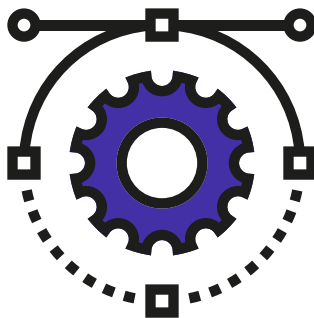
Interface Bonding

Bonding(Linux) = Teaming(Windows) = EtherChannel(Cisco) = HP-UX(APA)

Bonding Mode	기능
Mode 1	Active-Standby 이중화 모드 2개의 백본이 있을 때 각 백본마다 NIC 1개씩 연결하여 Bonding 설정 후 Active NIC가 다운이 될 경우 Stand-by NIC를 이용해 사용 가능



Manual Configuration 순서 – Bonding 설정

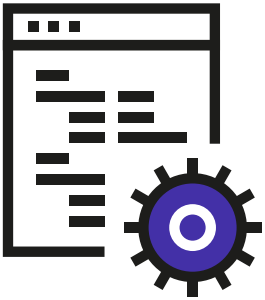


Step 1. Bonding Mode 및 Master 인터페이스 설정

Step 2. Bonding 인터페이스 IP 및 Gateway 설정

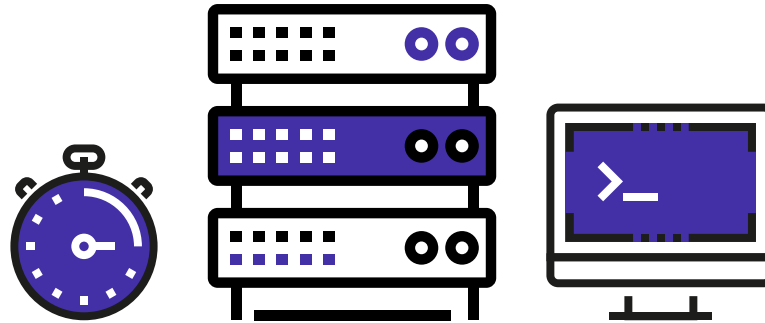
Step 3. Bonding 인터페이스 대상 설정

Manual Configuration 컨피그 – Bonding 설정

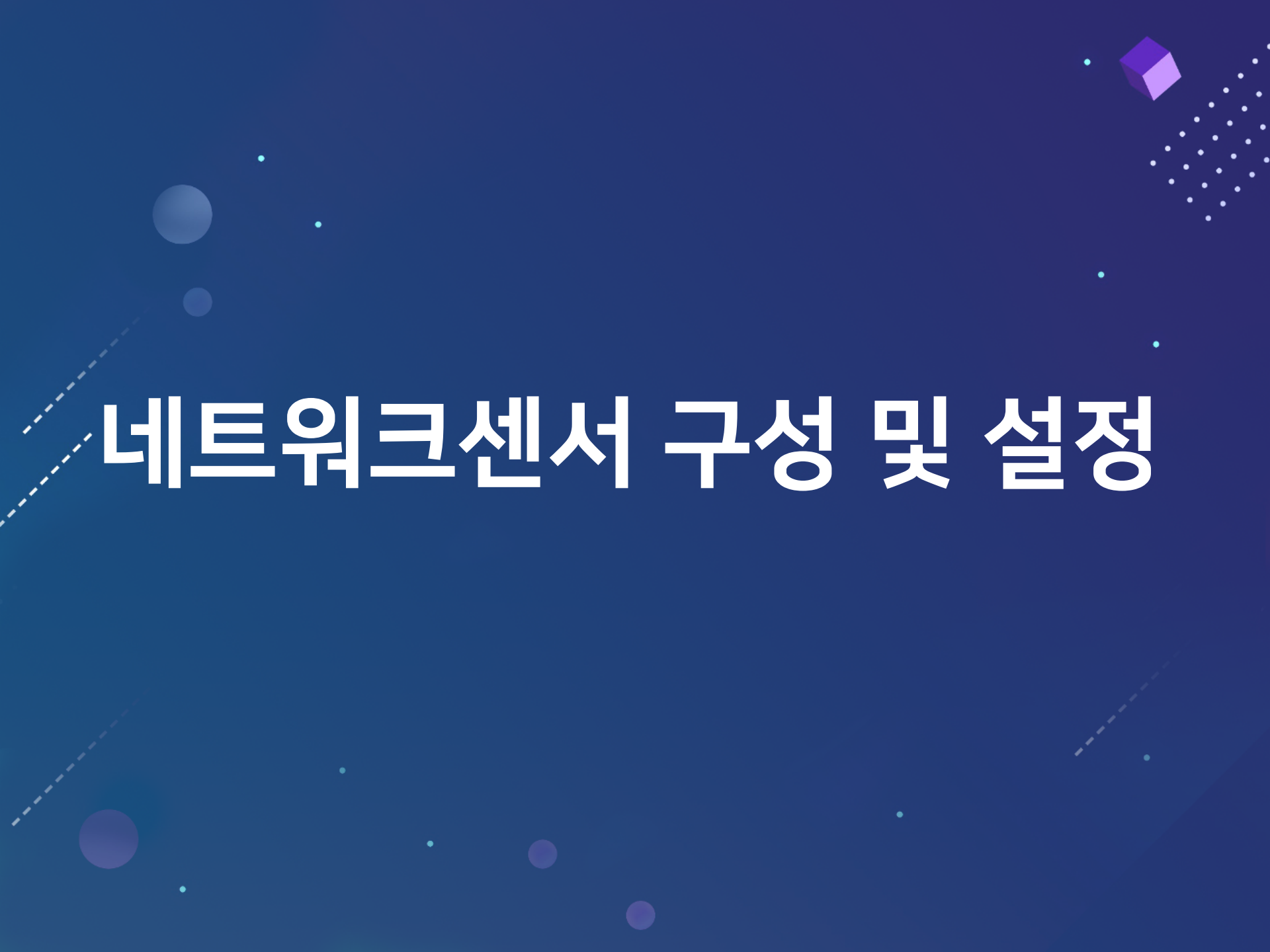


bonding parameters "mode=1
primary=eth0"

interface bond0 address [IP]
Interface bond0 gateway [IP]
Interface bond0 slave eth0,eth1



Network Time Protocol



네트워크센서 구성 및 설정

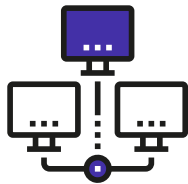
네트워크센서 구성 방안



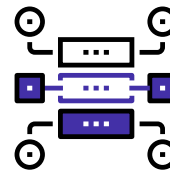
1. 단일 구성
2. 멀티 구성
3. HA 구성
4. Mirror 구성
5. Bonding 구성

구성 방안 - 단일 구성

Genian NAC

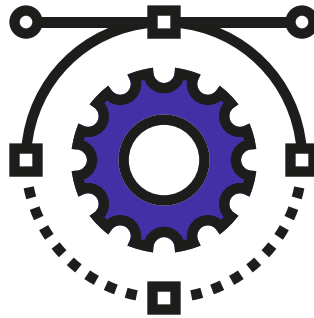


네트워크 대역 수량



설정 포트수

Manual Configuration 순서 - 단일 구성

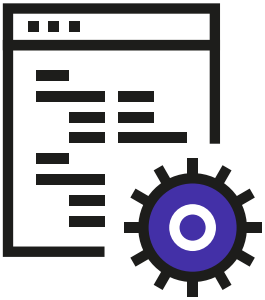


Step 1. 인터페이스 IP 및 Gateway 설정

Step 2. Default Gateway 및 DNS 설정

Step 3. Node Sever IP 설정

Manual Configuration 컨피그 - 단일 구성



device-id [UUID] (자동생성)

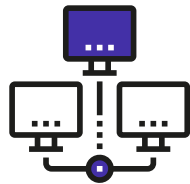
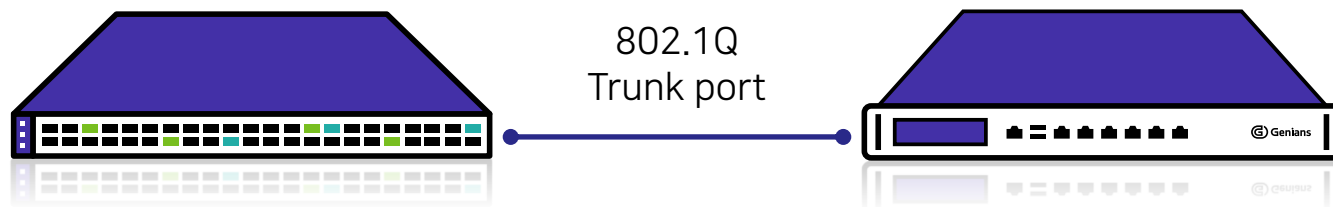
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]

ip default-gateway [IP]
ip name-server [IP]

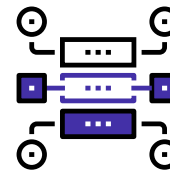
node-server ip [IP]

구성 방안 - 멀티 구성

Genian NAC

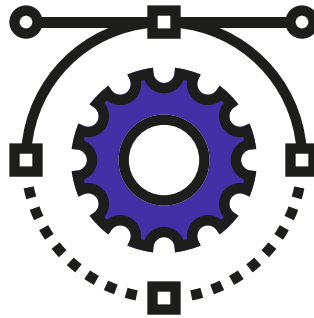


네트워크 대역 수량



설정 포트

Manual Configuration 순서 - 멀티 구성



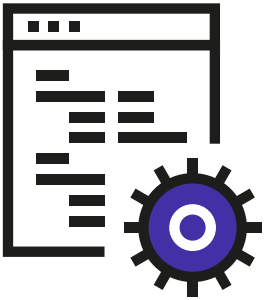
Step 1. 인터페이스 VLAN 설정

Step 2. VLAN 별 IP 및 Gateway 설정

Step 3. Default Gateway 및 DNS 설정

Step 4. Node Server IP 설정

Manual Configuration 컨피그 - 멀티 구성



device-id [UUID] (자동생성)

interface eth0.[VLAN ID] address [IP] [Subnet Mask]

interface eth0.[VLAN ID] gateway [IP]

interface eth0.[VLAN ID] address [IP] [Subnet Mask]

interface eth0.[VLAN ID] gateway [IP]

Interface eth0 vlan [VLAN ID],[VLAN ID]

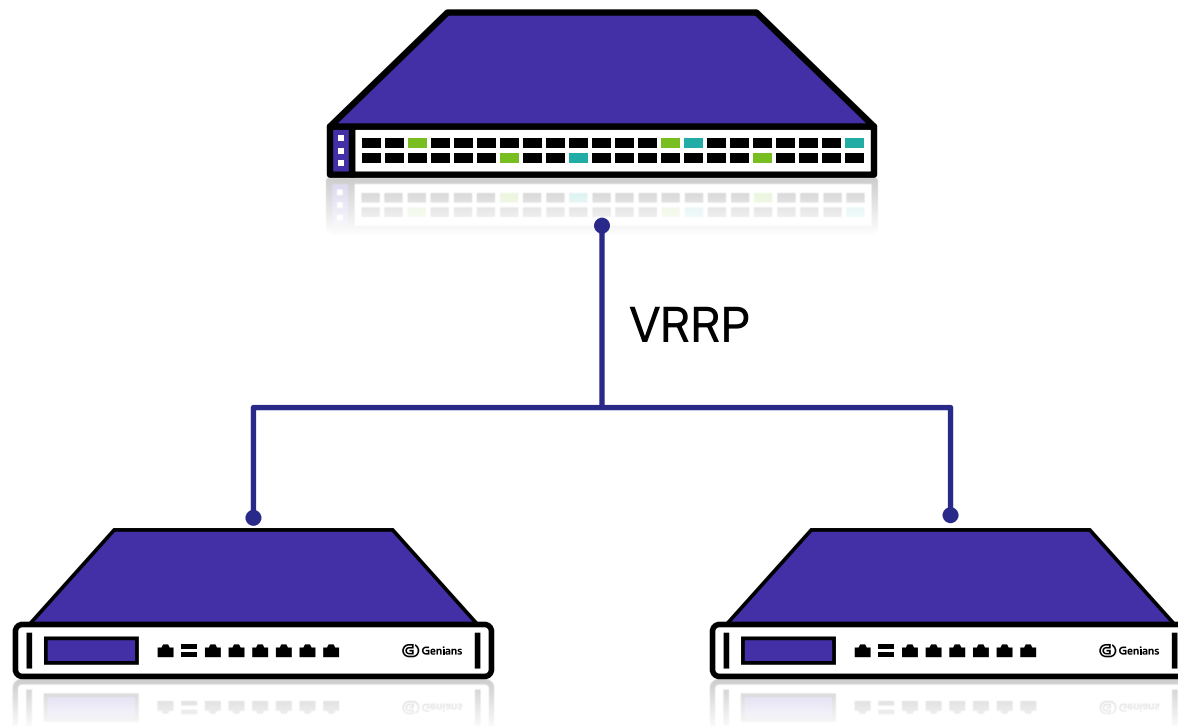
ip default-gateway [IP]

ip name-server [IP]

node-server ip [IP]

구성 방안 - HA 구성

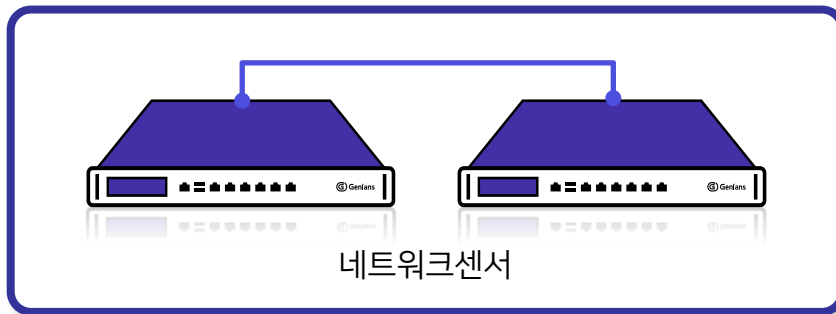
Genian NAC



구성 방안 - HA 구성 (Manual 모드)

Genian NAC

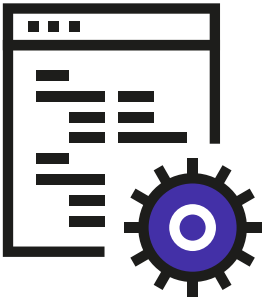
기본구성 - Master 네트워크센서



※ 설정 시 진행 순서



Manual Configuration 컨피그 - 기본구성 - Master 네트워크센서



device-id [UUID] (자동생성)

interface eth0 address [IP] [Subnet Mask]

interface eth0 gateway [IP]

ip default-gateway [IP]

ip name-server [IP]

node-server ip [IP]

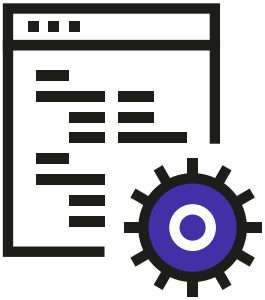
HA 구성 - Master 네트워크센서



※ 설정 시 진행 순서



Manual Configuration 컨피그 - HA 구성 - Master 네트워크센서



```
debug vrrpd category 0xffffffff
debug vrrpd field 0x31d
```

device-id [UUID] (자동생성)

```
interface eth0 address [IP] [Subnet Mask]
interface eth0 gateway [IP]
interface eth0 ha group [Number]
interface eth0 ha linkupdelay [Number]
interface eth0 ha nopreempt enable
interface eth0 ha priority [Number]
interface eth0 ha timeout [Number]
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]
ip name-server [IP]
```

```
node-server ip [IP]
```

기본구성 - HA 구성 - Slave 네트워크센서



※ 설정 시 진행 순서



Step 1. Device-id 설정

Step 2. Debug 이벤트 설정

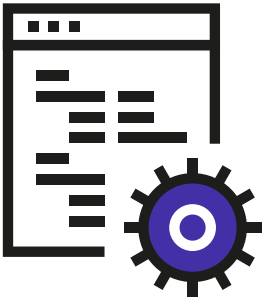
Step 3. 인터페이스 IP 및 Gateway 설정

Step 4. HA 설정

Step 5. Default Gateway 및 DNS 설정

Step 6. Node Server IP 설정

Manual Configuration 컨피그 - 기본구성 - HA 구성 - Slave 네트워크센서



```
debug vrrpd category 0xffffffff  
debug vrrpd field 0x31d
```

```
device-id [UUID] (Master device-id)
```

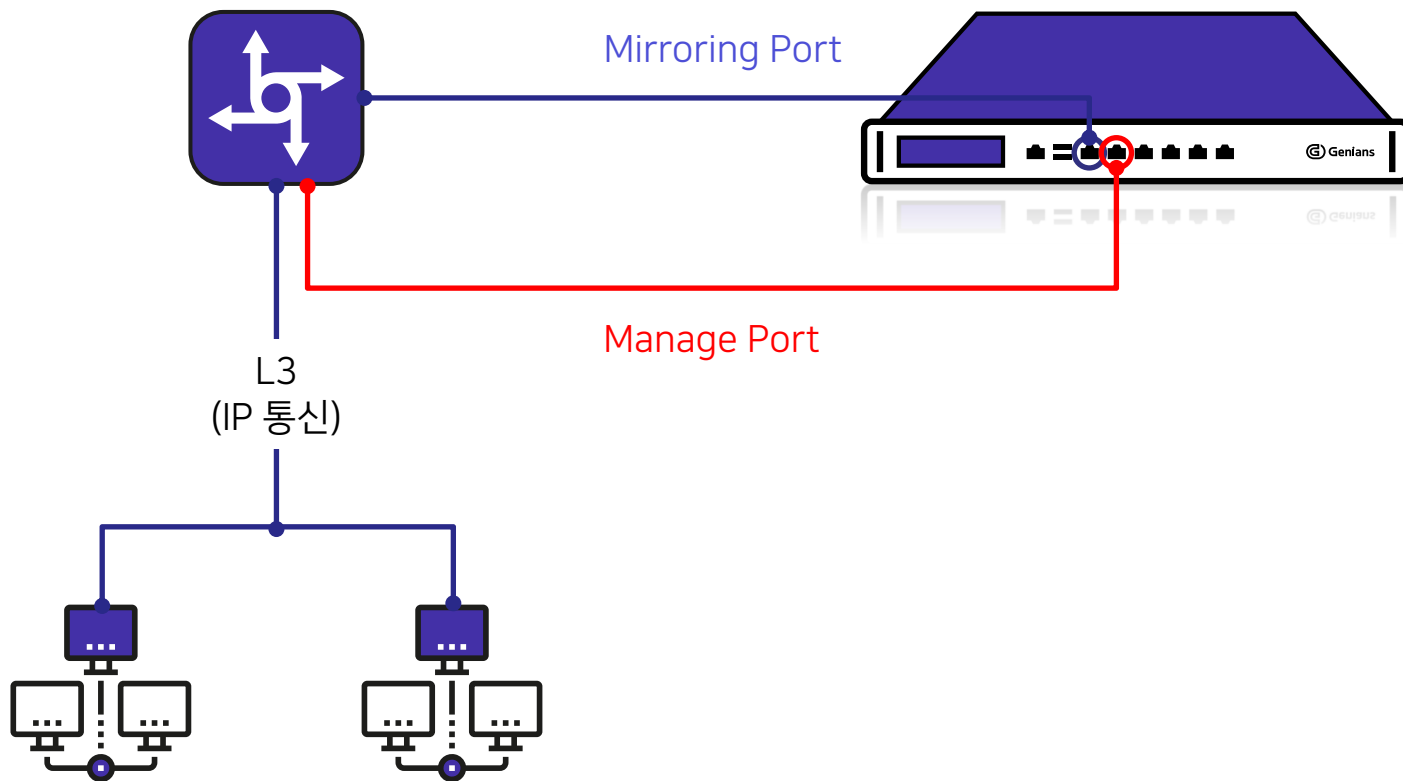
```
interface eth0 address [IP] [Subnet Mask]  
interface eth0 gateway [IP]  
interface eth0 ha group [Number]  
interface eth0 ha linkupdelay [Number]  
interface eth0 ha nopreempt enable  
interface eth0 ha priority [Number]  
interface eth0 ha timeout [Number]  
interface eth0 ha virtual-ip [IP]
```

```
ip default-gateway [IP]  
ip name-server [IP]
```

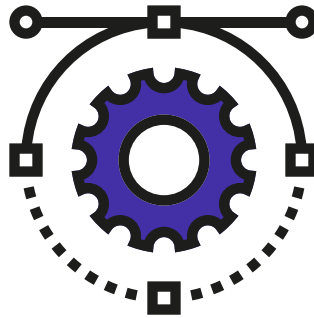
```
node-server ip [IP]
```

구성 방안 - Mirror 구성

Genian NAC



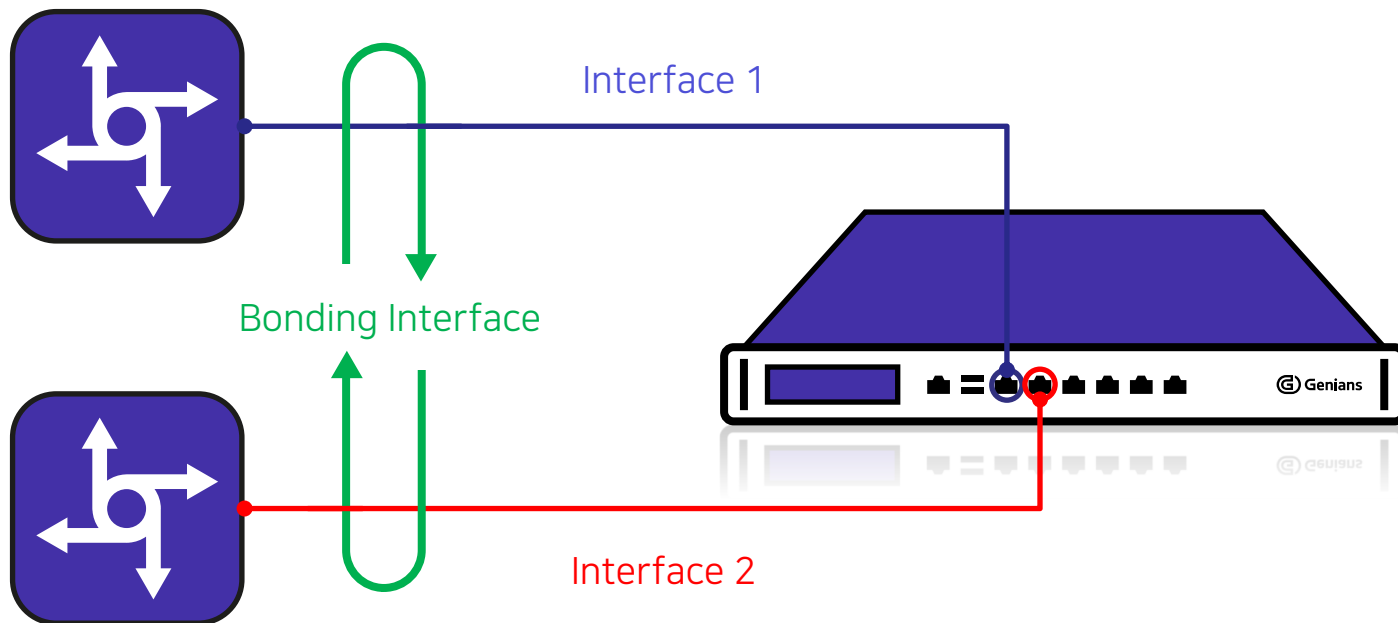
Manual Configuration 순서 – Mirror 구성



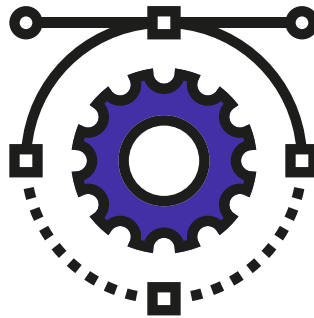
Step 1. 네트워크센서와 연결된 스위치 Mirroring 설정

Step 2. 네트워크센서 Mirror 인터페이스 설정

구성 방안 - Bonding 구성



Manual Configuration 순서 – Bonding 구성



Step 1. Bonding Mode 및 Master 인터페이스 설정

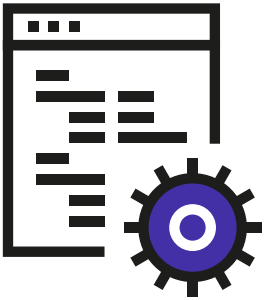
Step 2. Bonding 인터페이스 IP 및 Gateway 설정

Step 3. Bonding 인터페이스 대상 설정

Step 4. Default Gateway 및 DNS 설정

Step 5. Node Server IP 설정

Manual Configuration 컨피그 – Bonding 구성



device-id [UUID] (자동생성)

bonding parameters "mode=1
primary=eth0"

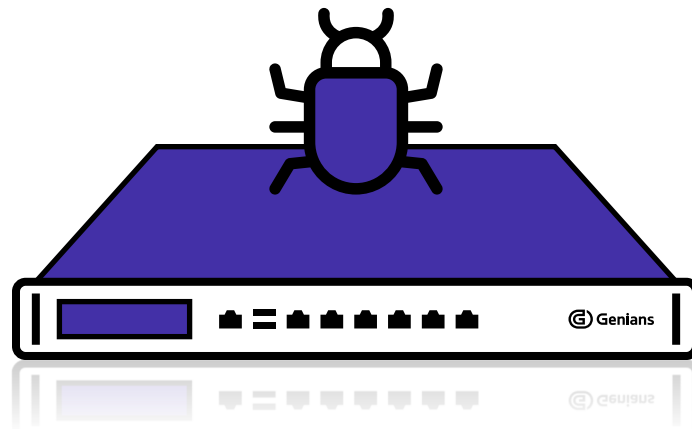
interface bond0 address [IP]
Interface bond0 gateway [IP]
Interface bond0 slave eth0,eth1

ip default-gateway [IP]
ip name-server [IP]

node-server ip [IP]

구성 방안 - 디버그 설정

Genian NAC



무선센서 구성

단일 구성

➡ NTP서버

NTP서버 주소를 설정합니다. (여러개일 경우 콤마로 구분)

➡ 센서 IP Pool

센서 DHCP IP 할당에 사용될 주소영역을 설정합니다. (C Class단위로 개별주소 또는 영역(X.X.X.A-B)으로 입력, 여러개일 경우 줄바꿈)

센서 DHCP IP 할당에 사용될 주소영역을 설정합니다. (C Class단위로 개별주소 또는 영역(X.X.X.A-B)으로 입력, 여러개일 경우 줄바꿈)



Genians

문의 : 지니언스 네트워크보안기술부

ca-se-nac@genians.com