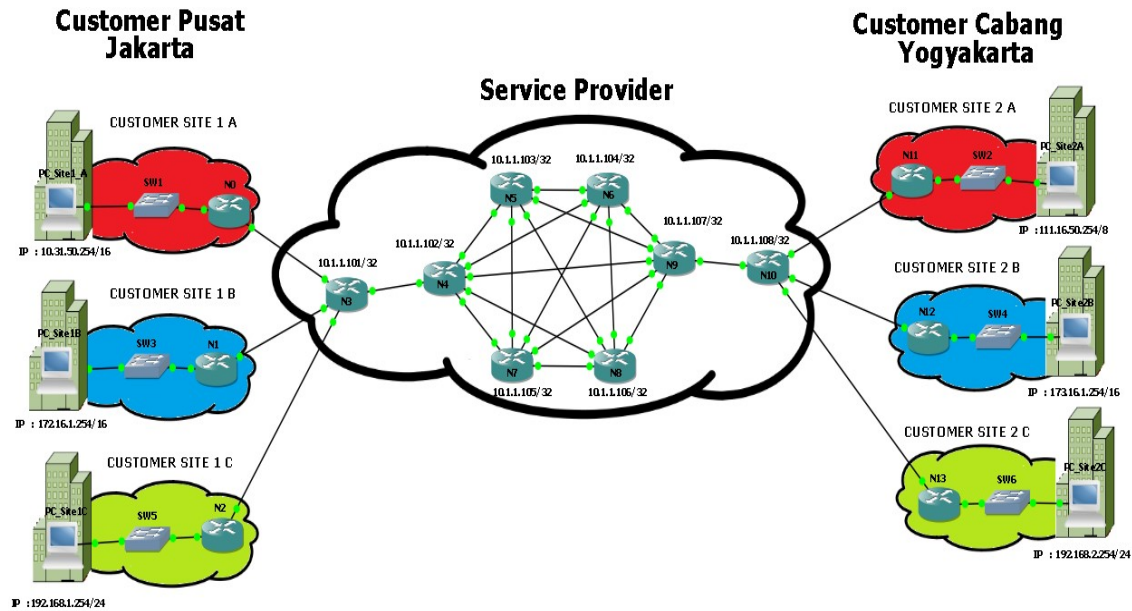


**LAPORAN HASIL
EKSPERIMEN KONFIGURASI JARINGAN VPN
CISCO
MARDIANTO**



Konfigurasi Router N0

```
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N0
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$W2js$38ykQLAdvduKkmHLiFRIW/
!
no aaa new-model
memory-size iomem 5
no ip icmp rate-limit unreachable
ip cef
!
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
```

```

!
interface FastEthernet0/0
bandwidth 128
ip address 193.169.172.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 128
ip address 193.169.171.1 255.255.255.0
duplex auto
speed auto
!
router eigrp 100
network 193.169.171.0
network 193.169.172.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
line vty 0 4
login local
!
!
End

```

Konfigurasi Router N1

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N1
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$EM02$xWB2uXE/5e3kiH0A6QRCg.

```

```

!
no aaa new-model
memory-size iomem 5
no ip icmp rate-limit unreachable
ip cef
!
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface FastEthernet0/0
bandwidth 256
ip address 193.169.174.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 256
ip address 193.169.173.1 255.255.255.0
duplex auto
speed auto
!
router eigrp 100
network 193.169.173.0
network 193.169.174.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
line vty 0 4
login local
!
End

```

Konfigurasi Router N2

```

version 12.4
service timestamps debug datetime msec

```

```
service timestamps log datetime msec
no service password-encryption
!
hostname N2
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$Fxtv$0Q6mSY6w2eyPtdjlyxLAM.
!
no aaa new-model
memory-size iomem 5
no ip icmp rate-limit unreachable
ip cef
!
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface FastEthernet0/0
bandwidth 512
ip address 193.169.176.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 512
ip address 193.169.175.1 255.255.255.0
duplex auto
speed auto
!
router eigrp 100
network 193.169.175.0
network 193.169.176.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
```

```
logging synchronous
line vty 0 4
login local
!
End
```

Konfigurasi Router N3

```
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N3
!
boot-start-marker
boot-end-marker
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup
!
ip tcp synwait-time 5
pseudowire-class PW_MANUAL
encapsulation l2tpv3
protocol none
ip local interface Loopback0
!
interface Loopback0
bandwidth 10000000
ip address 134.1.1.101 255.255.255.255
!
interface FastEthernet0/0
bandwidth 128
no ip address
duplex auto
speed auto
no cdp enable
xconnect 134.1.1.108 33 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 245 329
l2tp cookie local 8 957344 9379092
l2tp cookie remote 8 76429 945
!
interface FastEthernet0/1
bandwidth 256
```

```
no ip address
duplex auto
speed auto
no cdp enable
xconnect 10.1.1.108 34 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 345 429
l2tp cookie local 8 947444 9279092
l2tp cookie remote 8 75319 935
!
interface FastEthernet1/0
bandwidth 512
no ip address
duplex auto
speed auto
no cdp enable
xconnect 10.1.1.108 35 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 445 529
l2tp cookie local 8 937544 9179092
l2tp cookie remote 8 74209 925
!
interface FastEthernet1/1
bandwidth 10000000
ip address 134.11.78.1 255.255.0.0
duplex auto
speed auto
!
router eigrp 100
network 134.1.1.101 0.0.0.0
network 134.11.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
exec-timeout 0 0
stopbits 1
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line vty 0 4
login
!
```

End

Konfigurasi Router N4

```
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N4
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$/GD4$0ctzPJ9FoeSjXNchoLWvB0
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface Loopback0
ip address 134.1.1.102 255.255.255.255
!
interface FastEthernet0/0
bandwidth 10000000
ip address 134.11.78.2 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 10000000
ip address 134.12.79.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/0
bandwidth 10000000
ip address 134.13.80.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/1
bandwidth 10000000
ip address 134.14.81.1 255.255.0.0
```

```

duplex auto
speed auto
!
interface FastEthernet2/0
bandwidth 10000000
ip address 134.15.82.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet2/1
bandwidth 10000000
ip address 134.16.83.1 255.255.0.0
duplex auto
speed auto
!
router eigrp 100
network 134.1.1.102 0.0.0.0
network 134.11.0.0
network 134.12.0.0
network 134.13.0.0
network 134.14.0.0
network 134.15.0.0
network 134.16.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
logging synchronous
stopbits 1
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line vty 0 4
login local
!
end

```

Konfigurasi Router N5

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec

```



```
no service password-encryption
!
hostname N5
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$qEVc$X.gVTCqyUEoBWc1C9zGv8/
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface Loopback0
ip address 134.1.1.103 255.255.255.255
!
interface FastEthernet0/0
bandwidth 10000000
ip address 134.12.79.2 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 10000000
ip address 134.17.84.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/0
bandwidth 10000000
ip address 134.18.85.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/1
bandwidth 10000000
ip address 134.19.86.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet2/0
bandwidth 10000000
ip address 134.20.87.1 255.255.0.0
duplex auto
```

```

speed auto
!
interface FastEthernet2/1
no ip address
shutdown
duplex auto
speed auto
!
router eigrp 100
network 134.1.1.103 0.0.0.0
network 134.12.0.0
network 134.17.0.0
network 134.18.0.0
network 134.19.0.0
network 134.20.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line aux 0
logging synchronous
stopbits 1
line vty 0 4
login local
!
end

```

Konfigurasi Router N6

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N6
!
boot-start-marker
boot-end-marker
!

```

```
enable secret 5 $1$BIMN$Qxixr9PeCIVLQa/i4XTXh1
!  
no aaa new-model  
no ip icmp rate-limit unreachable  
!  
ip cef  
no ip domain lookup  
!  
username l2tpv3 password 0 vpn  
!  
ip tcp synwait-time 5  
!  
interface Loopback0  
ip address 134.1.1.104 255.255.255.255  
!  
interface FastEthernet0/0  
bandwidth 10000000  
ip address 134.13.80.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
bandwidth 10000000  
ip address 134.20.87.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/0  
bandwidth 10000000  
ip address 134.21.88.1 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/1  
bandwidth 10000000  
ip address 134.22.89.1 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/0  
bandwidth 10000000  
ip address 134.23.90.1 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/1  
no ip address  
shutdown  
duplex auto  
speed auto
```

```

!
router eigrp 100
network 134.1.1.104 0.0.0.0
network 134.13.0.0
network 134.20.0.0
network 134.21.0.0
network 134.22.0.0
network 134.23.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line aux 0
logging synchronous
stopbits 1
line vty 0 4
login local
!
End

```

Konfigurasi Router N7

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N7
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$Q1L0$OUnQKsFlcZiycy7ydyCfV.
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup

```

```
!  
username l2tpv3 password 0 vpn  
!  
ip tcp synwait-time 5  
!  
interface Loopback0  
ip address 134.1.1.105 255.255.255.255  
!  
interface FastEthernet0/0  
bandwidth 10000000  
ip address 134.16.83.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
bandwidth 10000000  
ip address 134.17.84.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/0  
bandwidth 10000000  
ip address 134.21.88.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/1  
bandwidth 10000000  
ip address 134.24.91.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/0  
bandwidth 10000000  
ip address 134.26.93.1 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/1  
bandwidth 10000000  
no ip address  
shutdown  
duplex auto  
speed auto  
!  
router eigrp 100  
network 134.1.1.105 0.0.0.0  
network 134.16.0.0  
network 134.17.0.0  
network 134.21.0.0
```

```

network 134.24.0.0
network 134.26.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
logging synchronous
stopbits 1
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line vty 0 4
login local
!
End

```

Konfigurasi Router N8

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N8
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$l6UI$cmIseuIDfOj5Nu1MxFmKl.
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface Loopback0
ip address 134.1.1.106 255.255.255.255

```

```
!  
interface FastEthernet0/0  
bandwidth 10000000  
ip address 134.15.82.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
bandwidth 10000000  
ip address 134.18.85.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/0  
bandwidth 10000000  
ip address 134.22.89.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet1/1  
bandwidth 10000000  
ip address 134.26.93.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/0  
bandwidth 10000000  
ip address 134.25.92.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet2/1  
no ip address  
shutdown  
duplex auto  
speed auto  
!  
router eigrp 100  
network 134.1.1.106 0.0.0.0  
network 134.15.0.0  
network 134.18.0.0  
network 134.22.0.0  
network 134.25.0.0  
network 134.26.0.0  
auto-summary  
!  
no ip http server  
no ip http secure-server  
!  
control-plane
```

```
!  
gatekeeper  
shutdown  
!  
line con 0  
exec-timeout 0 0  
privilege level 15  
logging synchronous  
stopbits 1  
line aux 0  
logging synchronous  
stopbits 1  
line vty 0 4  
login local  
!  
End
```

Konfigurasi Router N9

```
version 12.4  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname N9  
!  
boot-start-marker  
boot-end-marker  
!  
no aaa new-model  
no ip icmp rate-limit unreachable  
!  
ip cef  
no ip domain lookup  
!  
ip tcp synwait-time 5  
!  
interface Loopback0  
ip address 134.1.1.107 255.255.255.255  
!  
interface FastEthernet0/0  
bandwidth 10000000  
ip address 134.14.81.2 255.255.0.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
bandwidth 10000000  
ip address 134.19.86.2 255.255.0.0  
duplex auto
```



```
speed auto
!
interface FastEthernet1/0
bandwidth 10000000
ip address 134.23.90.2 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/1
bandwidth 10000000
ip address 134.24.91.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet2/0
bandwidth 10000000
ip address 134.25.92.1 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet2/1
bandwidth 10000000
ip address 134.27.94.1 255.255.0.0
duplex auto
speed auto
!
router eigrp 100
network 134.1.1.107 0.0.0.0
network 134.14.0.0
network 134.19.0.0
network 134.23.0.0
network 134.24.0.0
network 134.25.0.0
network 134.27.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line aux 0
```

```
exec-timeout 0 0
privilege level 15
logging synchronous
stopbits 1
line vty 0 4
login
!
End
```

Konfigurasi Router N10

```
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N10
!
boot-start-marker
boot-end-marker
!
no aaa new-model
no ip icmp rate-limit unreachable
!
ip cef
no ip domain lookup
!
ip tcp synwait-time 5
pseudowire-class PW_MANUAL
encapsulation l2tpv3
protocol none
ip local interface Loopback0
!
interface Loopback0
ip address 134.1.1.108 255.255.255.255
!
interface FastEthernet0/0
bandwidth 128
no ip address
duplex auto
speed auto
no cdp enable
xconnect 134.1.1.101 33 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 329 245
l2tp cookie local 8 76429 945
l2tp cookie remote 8 957344 9379092
!
interface FastEthernet0/1
bandwidth 10000000
```

```
ip address 134.27.93.2 255.255.0.0
duplex auto
speed auto
!
interface FastEthernet1/0
bandwidth 256
no ip address
duplex auto
speed auto
no cdp enable
xconnect 134.1.1.101 34 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 429 345
l2tp cookie local 8 75319 935
l2tp cookie remote 8 947444 9279092
!
interface FastEthernet1/1
bandwidth 512
no ip address
duplex auto
speed auto
no cdp enable
xconnect 134.1.1.101 35 encapsulation l2tpv3 manual pw-class PW_MANUAL
l2tp id 529 445
l2tp cookie local 8 74209 925
l2tp cookie remote 8 937544 9179092
!
interface FastEthernet2/0
no ip address
shutdown
duplex auto
speed auto
!
interface FastEthernet2/1
no ip address
shutdown
duplex auto
speed auto
!
router eigrp 100
network 134.1.1.108 0.0.0.0
network 134.27.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
gatekeeper
shutdown
```

```
!  
line con 0  
exec-timeout 0 0  
privilege level 15  
logging synchronous  
stopbits 1  
line aux 0  
exec-timeout 0 0  
privilege level 15  
logging synchronous  
stopbits 1  
line vty 0 4  
login  
!  
End
```

Konfigurasi Router N11

```
version 12.4  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname N11  
!  
boot-start-marker  
boot-end-marker  
!  
enable secret 5 $1$SehO$BxqKfMA0lq832O4zSNB1U/  
!  
no aaa new-model  
memory-size iomem 5  
no ip icmp rate-limit unreachable  
ip cef  
!  
no ip domain lookup  
!  
username l2tpv3 password 0 vpn  
!  
ip tcp synwait-time 5  
!  
interface FastEthernet0/0  
bandwidth 128  
ip address 193.169.172.2 255.255.255.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
bandwidth 128  
ip address 193.169.177.1 255.255.255.0
```

```

duplex auto
speed auto
!
router eigrp 100
network 193.169.177.0
network 193.169.172.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
line vty 0 4
login local
!
End

```

Konfigurasi Router N12

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N12
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$CCAe$e5u00ULooKG/7UVBRjcLF/
!
no aaa new-model
memory-size iomem 5
no ip icmp rate-limit unreachable
ip cef
!
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5

```

```

!
interface FastEthernet0/0
bandwidth 256
ip address 193.169.174.2 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 256
ip address 193.169.178.1 255.255.255.0
duplex auto
speed auto
!
router eigrp 100
network 10.1.2.0 0.0.0.255
network 173.16.0.0
auto-summary
!
no ip http server
no ip http secure-server
!
control-plane
!
line con 0
exec-timeout 0 0
privilege level 15
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
line vty 0 4
login local
!
end

```

Konfigurasi Router N13

```

version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname N13
!
boot-start-marker
boot-end-marker
!
no aaa new-model
memory-size iomem 5
no ip icmp rate-limit unreachable

```

```
ip cef
!
no ip domain lookup
!
username l2tpv3 password 0 vpn
!
ip tcp synwait-time 5
!
interface FastEthernet0/0
bandwidth 512
ip address 193.169.176.2 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
bandwidth 512
ip address 193.169.179.1 255.255.255.0
duplex auto
speed auto
!
router eigrp 100
network 193.169.176.0
network 192.169.179.0
auto-summary
!
control-plane
!
line con 0
logging synchronous
line aux 0
exec-timeout 0 0
privilege level 15
logging synchronous
line vty 0 4
login local
!
End
```