

LAMPIRAN

🚧 Konfigurasi Simulasi VLAN Kantor Pusat

- **Switch_A (Core_switch)**

```
switch>enable
```

```
switch#configure terminal
```

Enter configuration commands, one per line. End with CNTL/Z

```
switch(config)#hostname Core_Switch
```

```
Core_Switch(config)#enable secret cisco
```

```
Core_Switch(config)#line console 0
```

```
Core_Switch(config-line)#password cisco
```

```
Core_Switch(config-line)#login
```

```
Core_Switch(config-line)#line vty 0 15
```

```
Core_Switch(config-line)#password cisco
```

```
Core_Switch(config-line)#login
```

```
Core_Switch(config-line)#exit
```

```
Core_Switch(config)#banner motd #
```

Enter TEXT message. End with the character '#'.
Ini adalah pusat switch (core-switch) pada kantor pusat(Cisco switch 2950)#

```
Core_Switch(config)#vtp domain PUSAT
```

Changing VTP domain name from NULL to PUSAT

```
Core_Switch(config)#vtp mode server
```

Device mode already VTP SERVER.

```
Core_Switch(config)#^Z (Ctrl + Z)
```

```
Core_Switch#vlan database
```

```
Core_Switch(vlan)#vlan 300 name ServerFarm
```

VLAN 300 added:

Name: ServerFarm

```
Core_Switch(vlan)#vlan 301 name HRD
```

VLAN 301 added:

```
Name: HRD
Core_Switch(vlan)#vlan 302 name Accounting
VLAN 302 added:
    Name: Accounting
Core_Switch(vlan)#vlan 303 name Finance
VLAN 303 added:
    Name: Finance
Core_Switch(vlan)#exit
APPLY completed.
Exiting....
Core_Switch#configure terminal
Enter configuration commands, one per line.  End with
CNTL/Z
Core_Switch(config)#interface vlan1
Core_Switch(config-if)#ip address 192.168.10.2 255.255.255.0
Core_Switch(config-if)#no shutdown
Core_Switch(config-if)#exit
Core_Switch(config)#ip default-gateway 192.168.10.1
Core_Switch(config)#interface fastethernet 0/1
Core_Switch(config-if)#switchport mode trunk
Core_Switch(config-if)#description Koneksi (Trunk link) ke
switch_B(ServerFarm_switch)
Core_Switch(config-if)#interface fastethernet 0/2
Core_Switch(config-if)#switchport mode trunk
Core_Switch(config-if)#description Koneksi (Trunk link) ke
switch_C(Floor1_switch)
Core_Switch(config-if)#interface fastethernet 0/3
Core_Switch(config-if)#switchport mode trunk
Core_Switch(config-if)#description Koneksi (Trunk link) ke
switch_D(Floor2_switch)
Core_Switch(config-if)#interface fastethernet 0/4
Core_Switch(config-if)#switchport mode trunk
```

```
Core_Switch(config-if)#description Koneksi (Trunk link) ke switch_E(Floor3_switch)
Core_Switch(config-if)#interface fastethernet 0/5
Core_Switch(config-if)#switchport mode trunk
Core_Switch(config-if)#description Koneksi (Trunk link) ke router_A(Router_Pusat)
Core_Switch(config-if)#^Z (Ctrl + Z)
Core_Switch#copy running-config startup-config
Destination filename [startup-config]? [ press Enter ]
Building configuration...
[OK]
Core_Switch#
```

- **Switch_B (ServerFarm_switch)**

```
switch>enable
switch#configure terminal
Enter configuration commands, one per line. End with
CNTL/Z
switch(config)#hostname ServerFarm_switch
ServerFarm_switch(config)#enable secret cisco
ServerFarm_switch(config)#line console 0
ServerFarm_switch(config-line)#password cisco
ServerFarm_switch(config-line)#login
ServerFarm_switch(config-line)#line vty 0 15
ServerFarm_switch(config-line)#password cisco
ServerFarm_switch(config-line)#login
ServerFarm_switch(config-line)#exit
ServerFarm_switch(config)#banner motd #
Enter TEXT message. End with the character '#'.

```

Ini adalah switch di ServerFarm (Departement IT) pada kantor pusat (Cisco switch 2950)#

ServerFarm_switch(config)#vtp domain PUSAT

Changing VTP domain name from NULL to PUSAT

ServerFarm_switch(config)#vtp mode client

Setting device to VTP CLIENT mode.

ServerFarm_switch(config)#int vlan1

**ServerFarm_switch(config-if)#ip address 192.168.10.3
255.255.255.0**

ServerFarm_switch(config-if)#no shutdown

ServerFarm_switch(config-if)#exit

**ServerFarm_switch(config)#ip default-gateway
192.168.10.1**

ServerFarm_switch(config)#interface fastethernet 0/1

ServerFarm_switch(config-if)#switchport mode trunk

**ServerFarm_switch(config-if)#description Koneksi(Trunk
link) ke switch_A (Core_switch)**

ServerFarm_switch(config-if)#interface fastethernet 0/2

ServerFarm_switch(config-if)#switchport access vlan 300

**ServerFarm_switch(config-if)#description Keanggotaan
VLAN 300 (VLAN ServerFarm)**

ServerFarm_switch(config-if)#interface fastethernet 0/3

ServerFarm_switch(config-if)#switchport access vlan 300

**ServerFarm_switch(config-if)#description Keanggotaan
VLAN 300 (VLAN ServerFarm)**

ServerFarm_switch(config-if)#interface fastethernet 0/4

ServerFarm_switch(config-if)#switchport access vlan 300

**ServerFarm_switch(config-if)#description Keanggotaan
VLAN 300 (VLAN ServerFarm)**

ServerFarm_switch(config-if)#interface fastethernet 0/5

ServerFarm_switch(config-if)#switchport access vlan 300

ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/6**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/7**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/8**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/9**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/10**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/11**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**interface fastethernet 0/12**
ServerFarm_switch(config-if)#**switchport access vlan 300**
ServerFarm_switch(config-if)#**description Keanggotaan VLAN 300 (VLAN ServerFarm)**
ServerFarm_switch(config-if)#**^Z (Ctrl + Z)**
ServerFarm_switch#**copy running-config startup-config**

Destination filename [startup-config]? [*press Enter*]

Building configuration...

[OK]

ServerFarm_switch#

- **Switch_C (Floor1_switch)**

switch>**enable**

switch#**configure terminal**

Enter configuration commands, one per line. End with
CNTL/Z

switch(config)#**hostname Floor1_switch**

Floor1_switch(config)#**enable secret cisco**

Floor1_switch(config)#**line console 0**

Floor1_switch(config-line)#**password cisco**

Floor1_switch(config-line)#**login**

Floor1_switch(config-line)#**line vty 0 15**

Floor1_switch(config-line)#**password cisco**

Floor1_switch(config-line)#**login**

Floor1_switch(config-line)#**exit**

Floor1_switch(config)#**banner motd #**

Enter TEXT message. End with the character '#'.
Ini adalah switch di Departemen Personalia (HRD) pada

kantor pusat (Cisco switch 2950) #

Floor1_switch(config)#**vtp domain PUSAT**

Changing VTP domain name from NULL to PUSAT

Floor1_switch(config)#**vtp mode client**

Setting device to VTP CLIENT mode.

Floor1_switch(config)#**interface vlan1**

Floor1_switch(config-if)#**ip address 192.168.10.4**
255.255.255.0

Floor1_switch(config-if)#**no shutdown**

```
Floor1_switch(config-if)#exit
Floor1_switch(config)#ip default-gateway 192.168.10.1
Floor1_switch(config)#interface fastethernet 0/1
Floor1_switch(config-if)#switchport mode trunk
Floor1_switch(config-if)#description Koneksi (Trunk
link) ke switch_A (Core_switch)
Floor1_switch(config-if)#interface fastethernet 0/2
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/3
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/4
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/5
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/6
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/7
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/8
Floor1_switch(config-if)#switchport access vlan 301
```



```

Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/9
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/10
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/11
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#interface fastethernet 0/12
Floor1_switch(config-if)#switchport access vlan 301
Floor1_switch(config-if)#description Keanggotaan VLAN
301 (VLAN HRD)
Floor1_switch(config-if)#^Z (Ctrl + Z)
Floor1_switch#copy running-config startup-config
Destination filename [startup-config]? [ Press Enter ]
Building configuration...
[OK]
Floor1_switch#

```

VLAN	#subnet	Default-gateway	Range IP address Host-host
1 (<i>Defalut</i>)	192.168.10.0/24	192.168.10.1	192.168.10.2 – 192.168.10.254
300	192.168.0.0/24	192.168.0.1	192.168.0.2 – 192.168.0.254

(Server-Farm)			
301 (HRD)	192.168.1.0/24	192.168.1.1	192.168.1.2 –192.168.1.254
302 (Accounting)	192.168.2.0/24	192.168.2.1	192.168.2.2 –192.168.2.254
303 (Finance)	192.168.3.0/24	192.168.3.1	192.168.3.2 –192.168.3.254

🚧 Konfigurasi Simulasi VLAN Kantor Cabang

- **Switch_F (Core_switch)**

```
switch>enable
```

```
switch#configure terminal
```

Enter configuration commands, one per line. End with
CNTL/Z

```
switch(config)#hostname Core_switch
```

```
Core_switch(config)#enable secret cisco
```

```
Core_switch(config)#line console 0
```

```
Core_switch(config-line)#password cisco
```

```
Core_switch(config-line)#login
```

```
Core_switch(config-line)#line vty 0 15
```

```
Core_switch(config-line)#password cisco
```

```
Core_switch(config-line)#login
Core_switch(config-line)#exit
Core_switch(config)#banner motd #
Enter TEXT message. End with the character '#'.
Ini adalah Pusat switch (core_switch) pada kantor cabang
(Cisco switch 2950) #
Core_switch(config)#vtp domain CABANG
Changing VTP domain name from NULL to CABANG
Core_switch(config)#vtp mode server
Device mode already VTP SERVER.
Core_switch(config)#^Z (Ctrl + Z)
Core_switch#vlan database
Core_switch(vlan)#vlan 304 name Customer_Service
VLAN 304 added:
  Name: Customer_Service
Core_switch(vlan)#vlan 305 name Marketing
VLAN 305 added:
  Name: Marketing
Core_switch(vlan)#vlan 306 name Sales
VLAN 306 added:
  Name: Sales
Core_switch(vlan)#exit
APPLY completed.
Exiting....
Core_switch#configure terminal
Enter configuration commands, one per line. End with
CNTL/Z
Core_switch(config)#interface vlan1
Core_switch(config-if)#ip address 192.168.20.2
255.255.255.0
Core_switch(config-if)#no shutdown
Core_switch(config-if)#exit
```

```
Core_switch(config)#ip default-gateway 192.168.20.1
Core_switch(config)#interface fastethernet 0/1
Core_switch(config-if)#switchport mode trunk
Core_switch(config-if)#description Koneksi (Trunk link)
ke switch_G (Floor1_switch)
Core_switch(config-if)#interface fastethernet 0/2
Core_switch(config-if)#switchport mode trunk
Core_switch(config-if)#description Koneksi (Trunk link)
ke switch_H (Floor2_switch)
Core_switch(config-if)#interface fastethernet 0/3
Core_switch(config-if)#switchport mode trunk
Core_switch(config-if)#description Koneksi (Trunk link)
ke switch_I (Floor3_switch)
Core_switch(config-if)#interface fastethernet 0/4
Core_switch(config-if)#switchport mode trunk
Core_switch(config-if)#description Koneksi (Trunk link)
ke roter_B (Router_Cabang)
Core_switch(config-if)#^Z (Ctrl + Z)
Core_switch#copy running-config startup-config
Destination filename [startup-config]? [ Press Enter ]
Building configuration...
[OK]
Core_switch#
```

- **Switch_G (Floor1_switch)**

```
switch>enable
switch#configure terminal
Enter configuration commands, one per line. End with
CNTL/Z
switch(config)#hostname Floor1_switch
```

```
Floor1_switch(config)#enable secret cisco
Floor1_switch(config)#line console 0
Floor1_switch(config-line)# password cisco
Floor1_switch(config)#login
Floor1_switch(config)#line vty 0 15
Floor1_switch(config-line)#password cisco
Floor1_switch(config-line)#login
Floor1_switch(config-line)#exit
Floor1_switch(config)#banner motd #
Enter TEXT message. End with the character '#'.
Ini adalah switch di Departemen Customer Service pada
kantor cabang #
Floor1_switch(config)#vtp domain CABANG
Changing VTP domain name from NULL to CABANG
Floor1_switch(config)#vtp mode client
Setting device to VTP CLIENT mode.
Floor1_switch(config)#interface vlan1
Floor1_switch(config-if)#ip address 192.168.20.3
255.255.255.0
Floor1_switch(config-if)#no shutdown
Floor1_switch(config-if)#exit
Floor1_switch(config)#ip default-gateway 192.168.20.1
Floor1_switch(config)#interface fastethernet 0/1
Floor1_switch(config-if)#switchport mode trunk
Floor1_switch(config-if)#description Koneksi (Trunk link)
ke switch_F (Core_switch)
Floor1_switch(config-if)#interface fastethernet 0/2
Floor1_switch(config-if)#switchport access vlan 304
Floor1_switch(config-if)#description Keanggotaan VLAN
304 (VLAN Customer_Service)
Floor1_switch(config-if)#interface fastethernet 0/3
Floor1_switch(config-if)#switchport access vlan 304
```

Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/4**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/5**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**interface fastethernet 0/6**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/7**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/8**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/9**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/10**
Floor1_switch(config-if)#**switchport access vlan 304**
Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**
Floor1_switch(config-if)#**interface fastethernet 0/11**
Floor1_switch(config-if)#**switchport access vlan 304**

Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**

Floor1_switch(config-if)#**interface fastethernet 0/12**

Floor1_switch(config-if)#**switchport access vlan 304**

Floor1_switch(config-if)#**description Keanggotaan VLAN 304 (VLAN Customer_Service)**

Floor1_switch(config-if)#**^Z (Ctrl + Z)**

Floor1_switch#**copy running-config startup-config**

Destination filename [startup-config]? [*Press Enter*]

Building configuration...

[OK]

Floor1_switch#