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ลงชื่อเข้าใช้

ชื่อผู้ใช้

ถัดไป

กรอกหมายเลข กดถัดไป

รหัส 0902870211Yada_ กดลงชื่อเข้าใช้

การ Running config เข้าไปที่เครื่องที่ต้องการ พิมพ์ใน CLI

```
RA>en
RA#show running-config
```

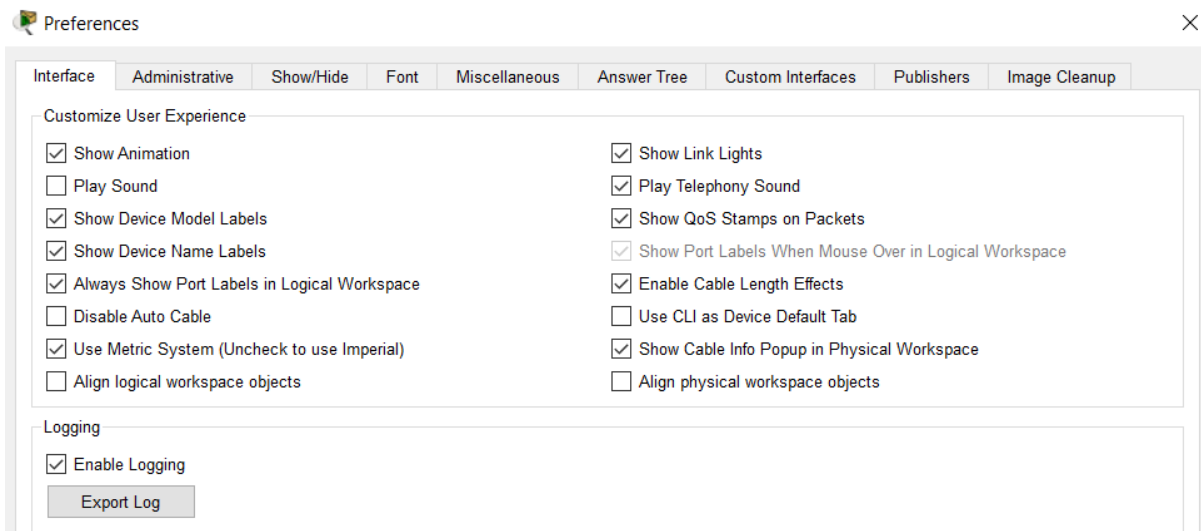
เอนเทอร์เรื่อยๆจนถึงคำว่า end คัดลอกตั้งแต่

ถึง end

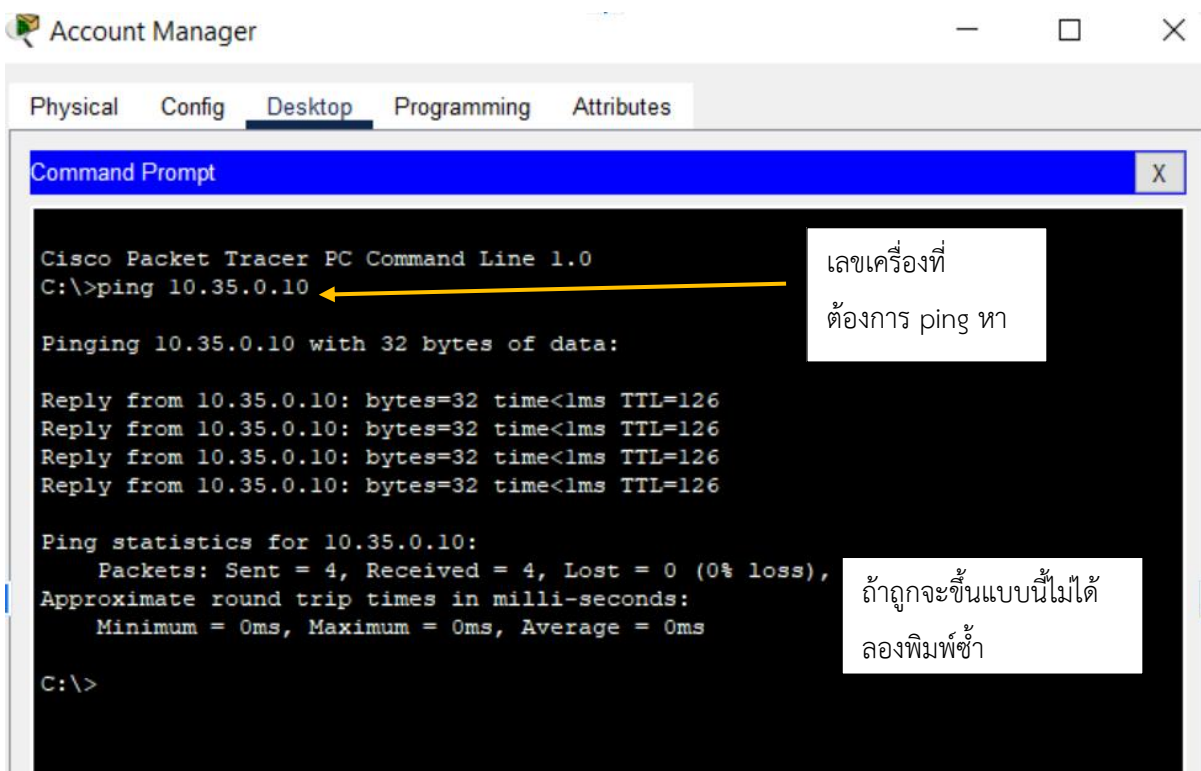
```
RA>en
RA#show running-config
Building configuration...

Current configuration : 935 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname RA
!
!
!
!
!
```

ให้ขึ้นเลขเส้นเชื่อมสาย



เวลา ping เลือกเครื่องที่ต้องการ กด Desktop กด Command Prompt



เชื่อมต่อสายแบบไม่สามารถใช้ทางลัดได้

```
RA>enable
RA#
RA#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
RA(config)#interface GigabitEthernet0/1
RA(config-if)#ip address 10.35.10.1 255.0.0.0
RA(config-if)#ip address 10.35.10.1 255.255.255.0
RA(config-if)#no shutdown
RA(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

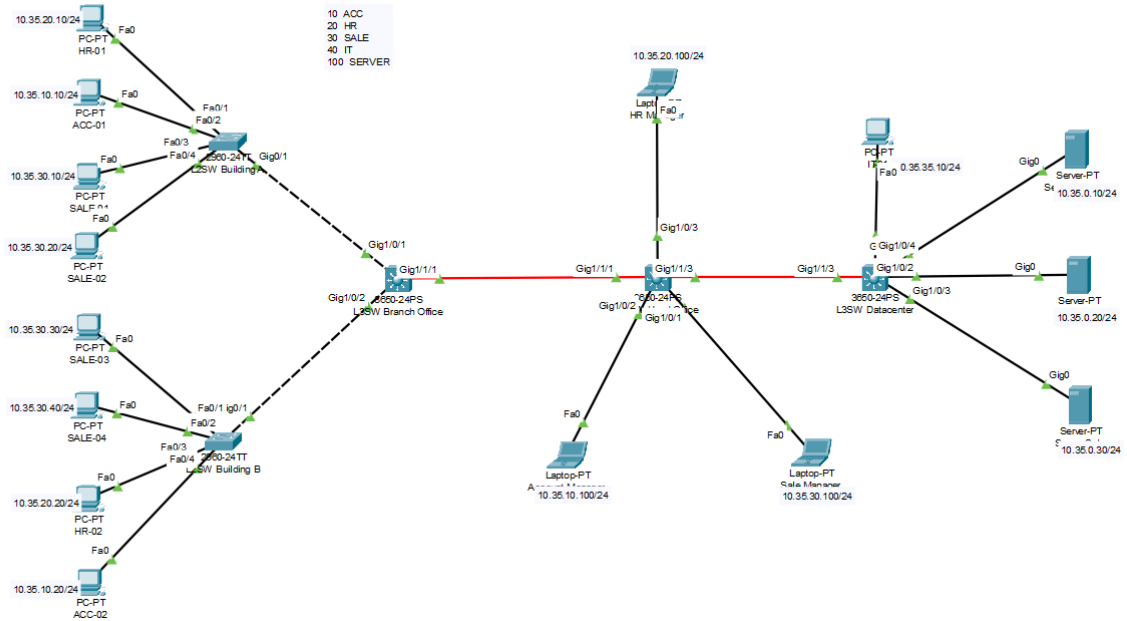
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed
state to up

RA(config-if)#exit
RA(config)#interface GigabitEthernet0/2
RA(config-if)#ip address 202.28.77.2 255.255.255.0
RA(config-if)#ip address 202.28.77.2 255.255.255.0
RA(config-if)#no shutdown
RA(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
```

เชื่อมต่อให้สามารถเปิดเว็บอีกฝ่ายได้

```
RA(config-if)#ex
RA(config)#ip nat insi
RA(config)#ip nat inside
RA(config)#ip nat inside source
RA(config)#ip nat inside source s
RA(config)#ip nat inside source static 10.35.10.100 202.28.77.10
RA(config)#do sh ip int br
Interface                IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0       unassigned      YES unset  administratively down down
GigabitEthernet0/1       10.35.10.1      YES manual  up          up
GigabitEthernet0/2       202.28.77.1     YES manual  up          up
Vlan1                    unassigned      YES unset  administratively down down
RA(config)#interface GigabitEthernet 0/2
RA(config-if)#ip nat outside
RA(config-if)#ex
RA(config)#interface GigabitEthernet 0/1
RA(config-if)#ip nat inside
RA(config-if)#ex
RA(config)#
```

ออกแบบ VLAN lab12



L2SW Building A

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

VLAN Configuration

VLAN Number: 30

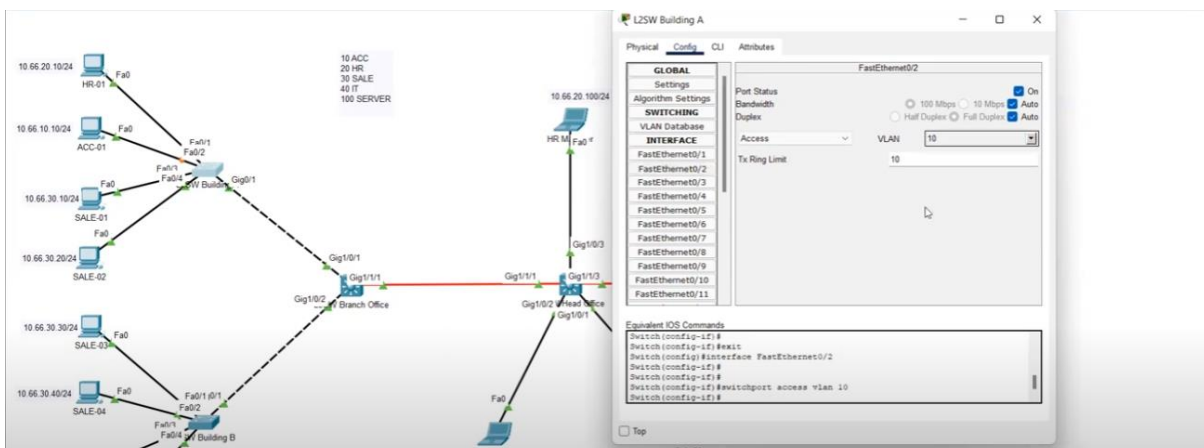
VLAN Name: VLAN30

Add Remove

VLAN No	VLAN Name
1	default
10	VLAN10
20	VLAN20
30	VLAN30

```
Switch(config)#vlan 20
Switch(config-vlan)# name VLAN20
Switch(config-vlan)#vlan 30
Switch(config-vlan)# name VLAN30
```

ถ้ามี Gig เลือก Trunk



```
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport access vlan 20
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/2
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport access vlan 10
Switch(config-if)#
```

```
Switch(config)#interface GigabitEthernet0/1
Switch(config-if)#
Switch(config-if)#switchport mode trunk
```

```
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
```

```
Switch(config-if)#
Switch(config-if)#switchport trunk allowed vlan remove 1
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport trunk allowed vlan remove 1002
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport trunk allowed vlan remove 1003
Switch(config-if)#
Switch(config-if)#
Switch(config-if)#switchport trunk allowed vlan remove 1004
Switch(config-if)#
Switch(config-if)#switchport trunk allowed vlan remove 1005
Switch(config-if)#
```

<input type="checkbox"/>	1003:token-ring-default
<input type="checkbox"/>	1004:fdinet-default
<input type="checkbox"/>	1005:trnet-default

พระอาทิตย์เชื่อม Trunk ทุกอัน ถ้าเชื่อม1 อัน Access

พระอาทิตย์เส้นที่เชื่อม 2เส้น

```
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#ip routing
Switch(config)#inter
Switch(config)#interface g
Switch(config)#interface gigabitEthernet 1/1/3
Switch(config-if)#no ser
Switch(config-if)#no sw
Switch(config-if)#no switchport
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/1/3, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/1/3, changed state to up

Switch(config-if)#ip addr
Switch(config-if)#ip address 10.0.0.1 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#ip route 10.66.66.0 255.255.255.0 10.0.0.2
Switch(config)#ip route 10.66.0.0 255.255.255.0 10.0.0.2
Switch(config)#inter
Switch(config)#interface vl
Switch(config)#interface vian 10
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan10, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan10, changed state to up

Switch(config-if)#ip addr
Switch(config-if)#ip address 10.66.10.1 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#inter
Switch(config)#interface vl
Switch(config)#interface vian 20
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan20, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan20, changed state to up

Switch(config-if)#ip address 10.66.20.1 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#interface vian 30
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan30, changed state to up

Switch(config-if)#ip address 10.66.30.1 255.255.255.0
Switch(config-if)#
```

เส้นที่เชื่อม Server

```
Switch(config-if)#exit
Switch(config)#int
Switch(config)#interface g
Switch(config)#interface gigabitEthernet 1/1/3
Switch(config-if)#no sw
Switch(config-if)#no switchport
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/1/3, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/1/3, changed
state to up

Switch(config-if)#ip addr
Switch(config-if)#ip address 10.0.0.2 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#ip route 10.66.10.0 255.255.255.0 10.0.0.1
Switch(config)#ip route 10.66.20.0 255.255.255.0 10.0.0.1
Switch(config)#ip route 10.66.30.0 255.255.255.0 10.0.0.1
Switch(config)#inte
Switch(config)#interface v
Switch(config)#interface vl
Switch(config)#interface vian 40
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan40, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan40, changed state to up
```

```
Switch(config-if)#ip addr
Switch(config-if)#ip address 10.66.66.1 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#exit
Switch(config)#interface vian 100
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan100, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan100, changed state to up

Switch(config-if)#ip address 10.66.0.1 255.255.255.0
Switch(config-if)#ex
Switch(config-if)#ex
Switch(config)#ip routing
Switch(config)#ip access-list extended
% Incomplete command.
Switch(config)#ip access-list extended oil
Switch(config-ext-nacl)#permit tcp 10.66.10.0 0.0.0.255 host 10.66.0.10 eq 80
Switch(config-ext-nacl)#permit tcp 10.66.20.0 0.0.0.255 host 10.66.0.20 eq 80
Switch(config-ext-nacl)#permit tcp 10.66.30.0 0.0.0.255 host 10.66.0.30 eq 80
Switch(config-ext-nacl)#permit icmp host 10.66.10.100 host 10.66.0.10
Switch(config-ext-nacl)#permit icmp host 10.66.20.100 host 10.66.0.20
Switch(config-ext-nacl)#permit icmp host 10.66.30.100 host 10.66.0.30
Switch(config-ext-nacl)#ex
Switch(config-ext-nacl)#exit
Switch(config)#int
Switch(config)#interface g
Switch(config)#interface gigabitEthernet 1/1/3
Switch(config-if)#
```

```
Switch(config-if)#ip acc
Switch(config-if)#ip access-group oil in
```