



# Lecture (02)



## Expanding your network - Connecting more Switches

By:

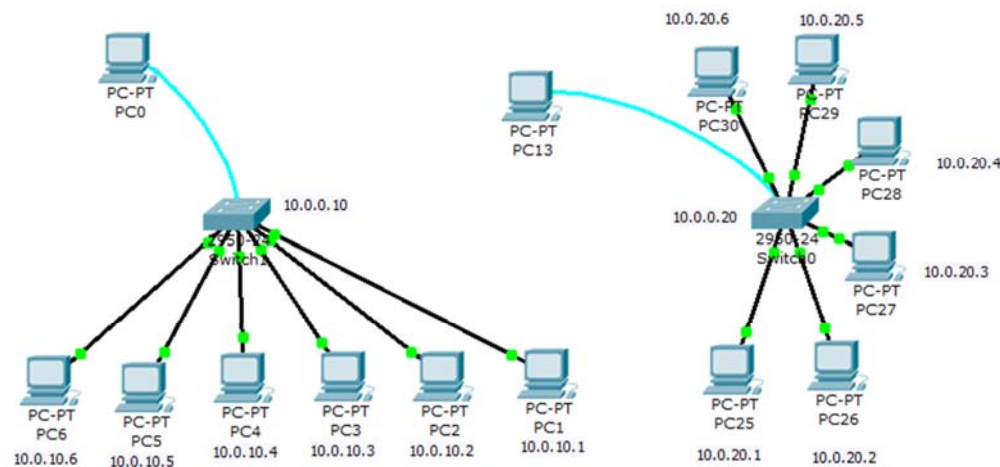
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# 2.1

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## Topology



PC2 5	item	Configuration	PC2 6	item	Configuration
	Gateway	auto		Gateway	auto
	DNS	auto		DNS	auto
	Port status	On		Port status	On
	Band width	100		Band width	100
	Duplex	Full		Duplex	Full
	IP	10.0.20.1		IP	10.0.20.2
Mask	255.255.0.0	Mask	255.255.0.0		

PC2 7	item	Configuration	PC2 8	item	Configuration
	Gateway	auto		Gateway	auto
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	Port status	On		Port status	On
	Band width	100		Band width	100
	Duplex	Full		Duplex	Full
	IP	10.0.20.3		IP	10.0.20.4
Mask	255.255.0.0	Mask	255.255.0.0		

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PC2 9	item	Configuration	PC3 0	item	Configuration
	Gateway	auto		Gateway	auto
	DNS	auto		DNS	auto
	Port status	On		Port status	On
	Band width	100		Band width	100
	Duplex	Full		Duplex	Full
	IP	10.0.20.5		IP	10.0.20.6
	Mask	255.255.0.0		Mask	255.255.0.0

```
[siwtch01]
enabl
config t
hostname SW-FL01-R02
banner motd #Hello & Welcome to
Practical Applications on Networl - Lecture
03#
interface vlan 1
ip address 10.0.0.20 255.0.0.0
no shutdown

line vty 0 4
password cisco
login

line console 0
password cisco
login

enable password cisco

enable secret cisco1

interface range fa0/1-6
speed 100
duplex full
end

copy running-config startup-config
Reload
```

## Show MAC address table information

```
SW-FL01-R02#show mac-address-table
Mac Address Table
-----
Vlan    Mac Address      Type    Ports
-----
SW-FL01-R02#

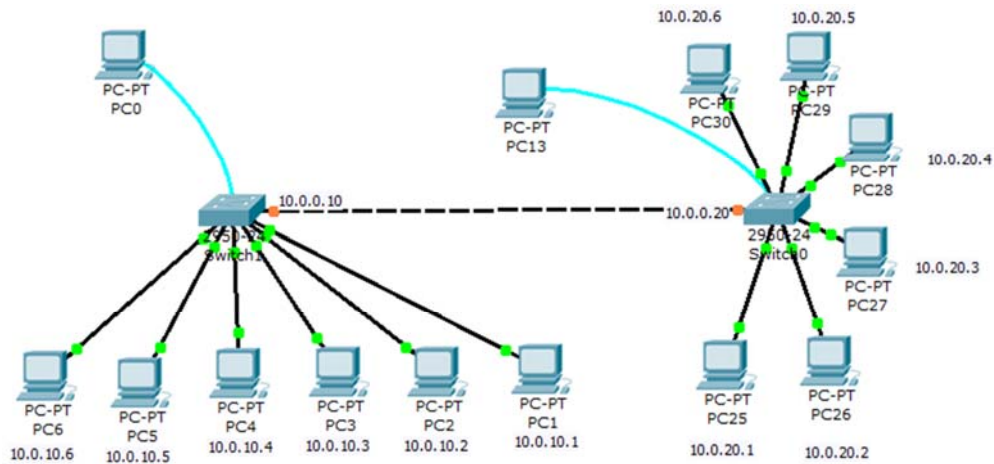
SW-FL01-R02#ping 10.0.20.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.0.20.6, timeout is 2 seconds:
!!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 3/4/5 ms

SW-FL01-R02#show mac-address-table
Mac Address Table
-----
Vlan    Mac Address      Type    Ports
-----
1       000c.85cc.889c   DYNAMIC Fa0/1
1       0030.f2a5.9139   DYNAMIC Fa0/6
1       0060.5cd3.1823   DYNAMIC Fa0/5
1       00d0.97eb.0362   DYNAMIC Fa0/3
1       00d0.ba25.b34a   DYNAMIC Fa0/2
1       00d0.d3bc.863b   DYNAMIC Fa0/4
SW-FL01-R02#
```

```
show mac address-table
Ping 10.0.20.1
Ping 10.0.20.2
Ping 10.0.20.3
Ping 10.0.20.4
Ping 10.0.20.5
Ping 10.0.20.6
show mac address-table
```

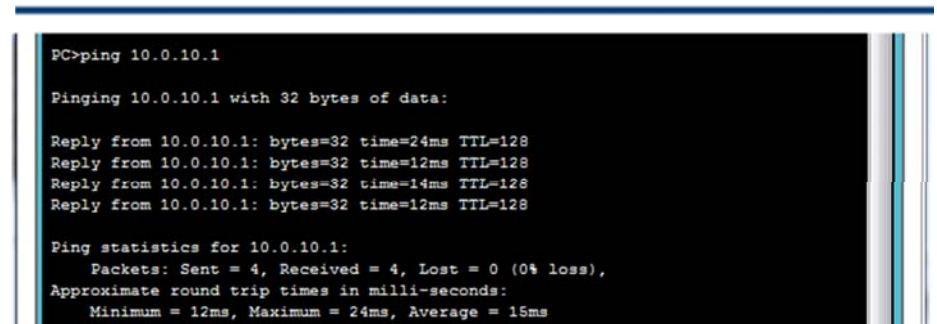
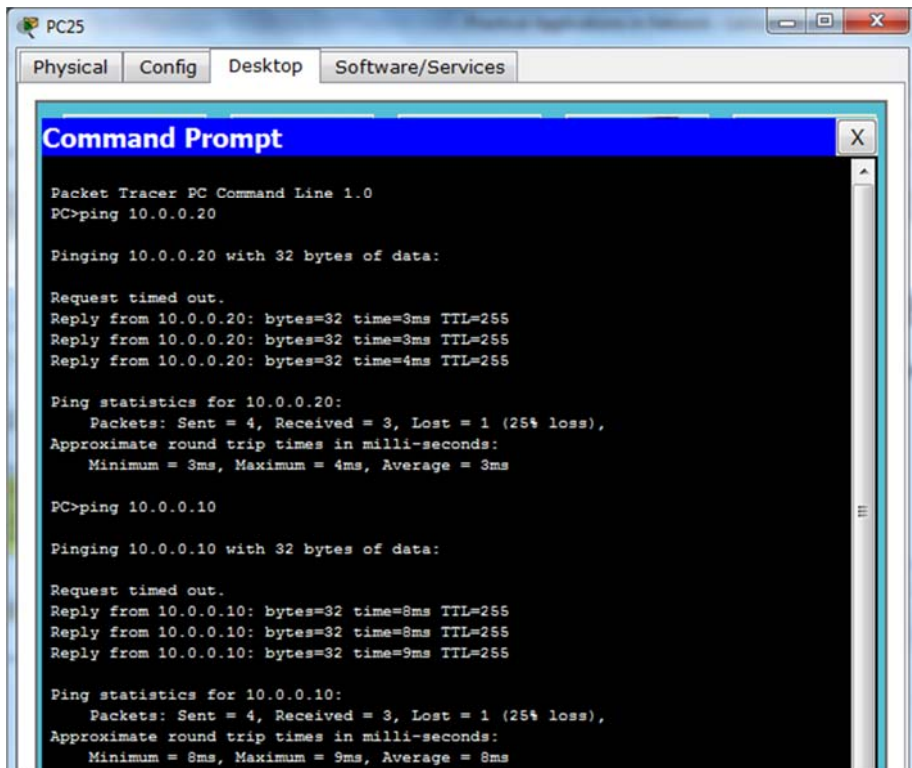
# 2.2

# Topology



```
[SW-FL01-R01]
enable
config t
interface fa0/24
switchport mode trunk
speed 100
duplex full
end
copy running-config startup-config
reload

[SW-FL01-R02]
enable
config t
interface fa0/24
switchport mode trunk
speed 100
duplex full
end
copy running-config startup-config
reload
```



# Show MAC address table information

```
SW-FL01-R02#show mac-address-table
Mac Address Table
-----
Vlan    Mac Address      Type    Ports
-----
SW-FL01-R02#

SW-FL01-R02#ping 10.0.20.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.0.20.6, timeout is 2 seconds:
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Success rate is 80 percent (4/5), round-trip min/avg/max = 3/4/5 ms

SW-FL01-R02#show mac-address-table
Mac Address Table
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Vlan    Mac Address      Type    Ports
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1       00d0.97eb.0362   DYNAMIC Fa0/3
1       00d0.ba25.b34a   DYNAMIC Fa0/2
1       00d0.d3bc.863b   DYNAMIC Fa0/4
SW-FL01-R02#
```

[SW-FL01-R01]  
show mac address-table  
Ping 10.0.20.1  
Ping 10.0.20.2  
Ping 10.0.20.3  
Ping 10.0.20.4  
Ping 10.0.20.5  
Ping 10.0.20.6  
show mac address-table



Thanks,..  
See you next week (ISA),...