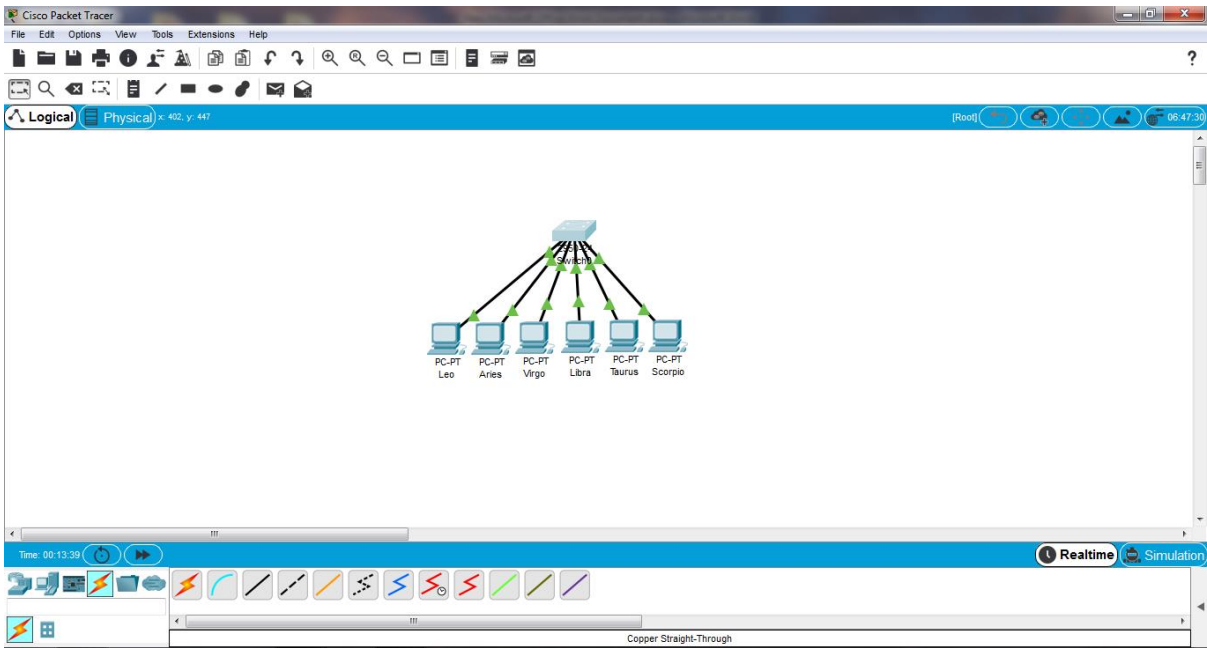


Muhammad Fadhil Bariz Ardanto

L200180200 / Kelas G

Modul 4

Topologi 1



Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show vlan
```

VLAN Name	Status	Ports
1 default	active	Fa0/8, Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/14, Fa0/15, Fa0/16, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24
10 zodiak1	active	Fa0/1, Fa0/4
20 zodiak2	active	Fa0/2, Fa0/5
30 zodiak3	active	Fa0/3, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	1500	-	-	-	-	-	0	0
10	enet	1500	-	-	-	-	-	0	0
20	enet	1500	-	-	-	-	-	0	0
30	enet	1500	-	-	-	-	-	0	0
1002	fddi	1500	-	-	-	-	-	0	0
1003	tr	1500	-	-	-	-	-	0	0
1004	fdnet	1500	-	-	-	ieee	-	0	0
1005	trnet	1500	-	-	-	ibm	-	0	0

Remote SPAN VLANs

Primary	Secondary	Type	Ports
Switch#			
Switch#			

Ctrl+F6 to exit CLI focus

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Zodiak 1

No	Variable	Nilai
1	No.Vlan	10
2	Nama Vlan	Zodiak1
3	Port	Fa 0/1
4	status	active

No	Variable	Nilai
1	No.Vlan	10
2	Nama Vlan	Zodiak1
3	Port	Fa 0/4
4	status	Active

```
Switch#show vlan id 10
```

```

VLAN Name                Status    Ports
-----
10   zodiak1                active    Fa0/1, Fa0/4

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
-----
10   enet    100010   1500   -     -     -     -     -         0       0

Switch#
```

#### Zodiak 2

No	Variable	Nilai
1	No.Vlan	20
2	Nama Vlan	Zodiak2
3	Port	Fa 0/2
4	status	Active

No	Variable	Nilai
1	No.Vlan	10
2	Nama Vlan	Zodiak2
3	Port	Fa 0/5
4	status	Active

```
Switch#show vlan id 20
```

```

VLAN Name                Status    Ports
-----
20   zodiak2                active    Fa0/2, Fa0/5

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
-----
20   enet    100020   1500   -     -     -     -     -         0       0

Switch#
```

#### Zodiak 3

No	Variable	Nilai
1	No.Vlan	30
2	Nama Vlan	Zodiak3
3	Port	Fa 0/3
4	status	Active

No	Variable	Nilai
1	No.Vlan	30
2	Nama Vlan	Zodiak2
3	Port	Fa 0/6
4	status	Active

```
Switch#show vlan id 30
```

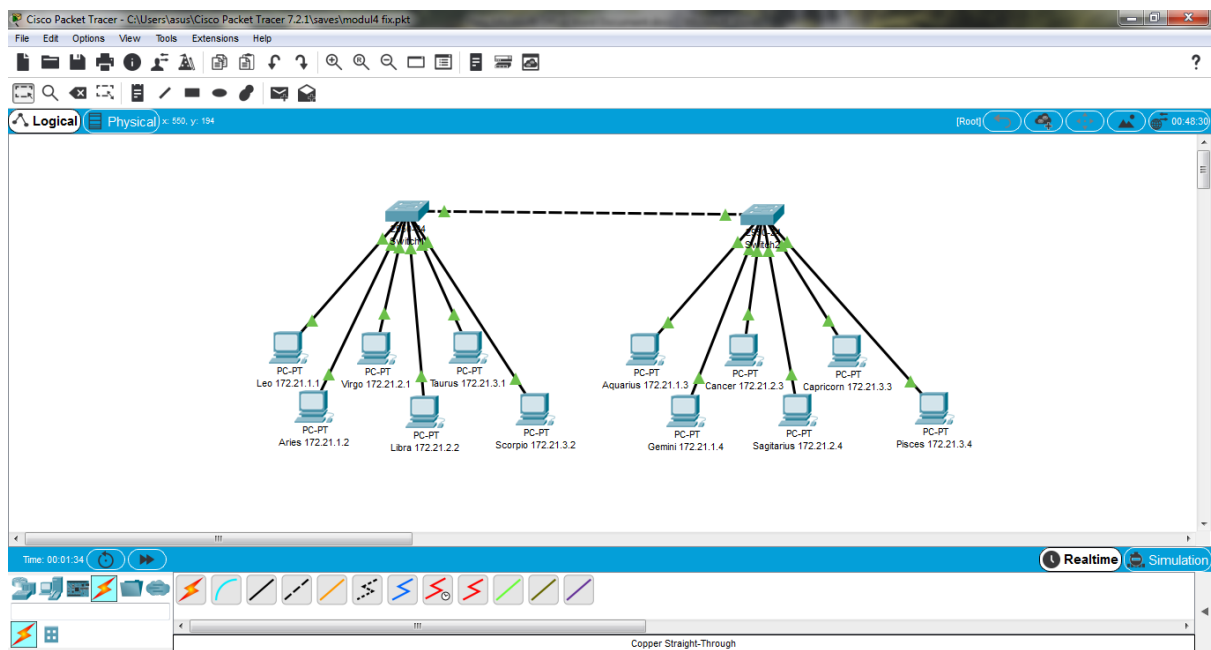
VLAN Name	Status	Ports
30 zodiak3	active	Fa0/3, Fa0/6

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
30 enet	100030	1500	-	-	-	-	-	0	0

```
Switch#
```

## Topologi 2



Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24
10	zodiak1	active	Fa0/1, Fa0/4
20	zodiak2	active	Fa0/2, Fa0/5
30	zodiak3	active	Fa0/3, Fa0/6
1002	fdi-default	active	
1003	token-ring-default	active	
1004	fdinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0
30	enet	100030	1500	-	-	-	-	-	0	0
1002	fdi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0
1004	fdnet	101004	1500	-	-	-	ieee	-	0	0
1005	trnet	101005	1500	-	-	-	ibm	-	0	0

Remote SPAN VLANs

Primary	Secondary	Type	Ports
---------	-----------	------	-------

Switch#

Switch#

Ctrl-F6 to exit CLI focus

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Top

```
Switch#show interface trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/7	on	802.1q	trunking	1

Port Fa0/7 Vlans allowed on trunk 1-1005

Port Fa0/7 Vlans allowed and active in management domain 1,10,20,30

Port Fa0/7 Vlans in spanning tree forwarding state and not pruned 1,10,20,30

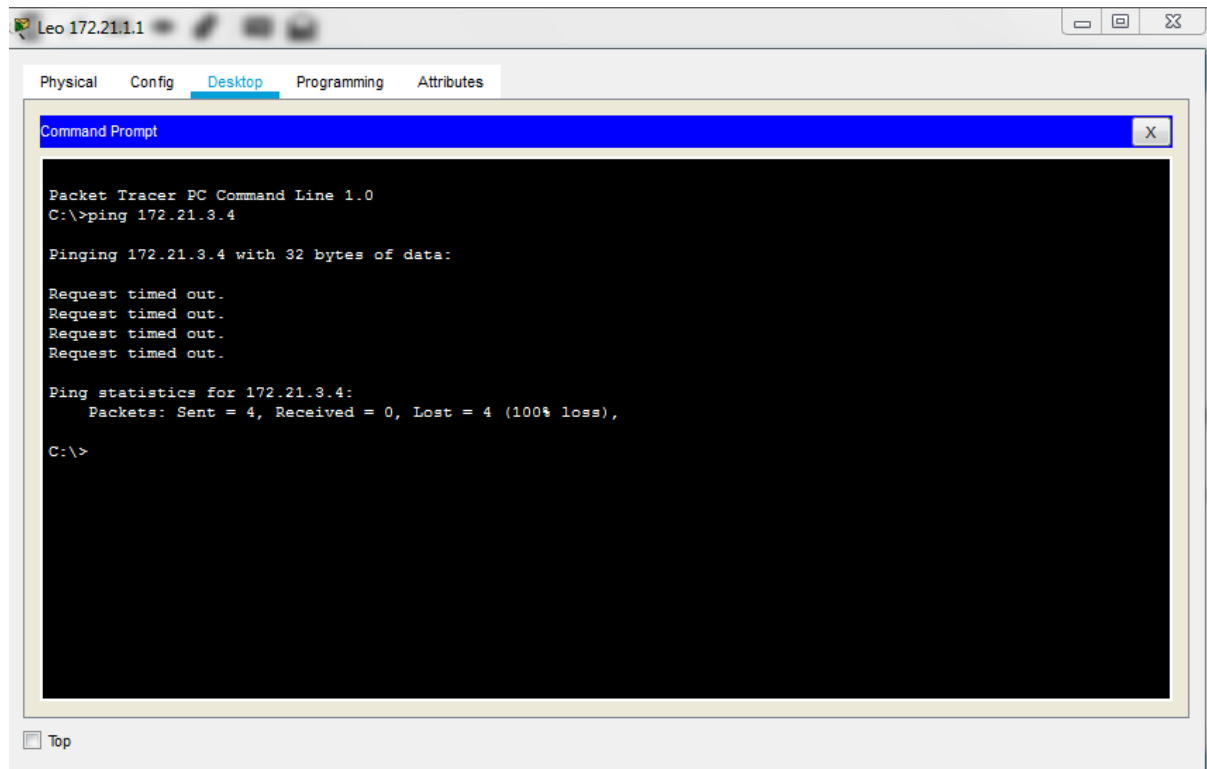
Switch#

Ctrl-F6 to exit CLI focus

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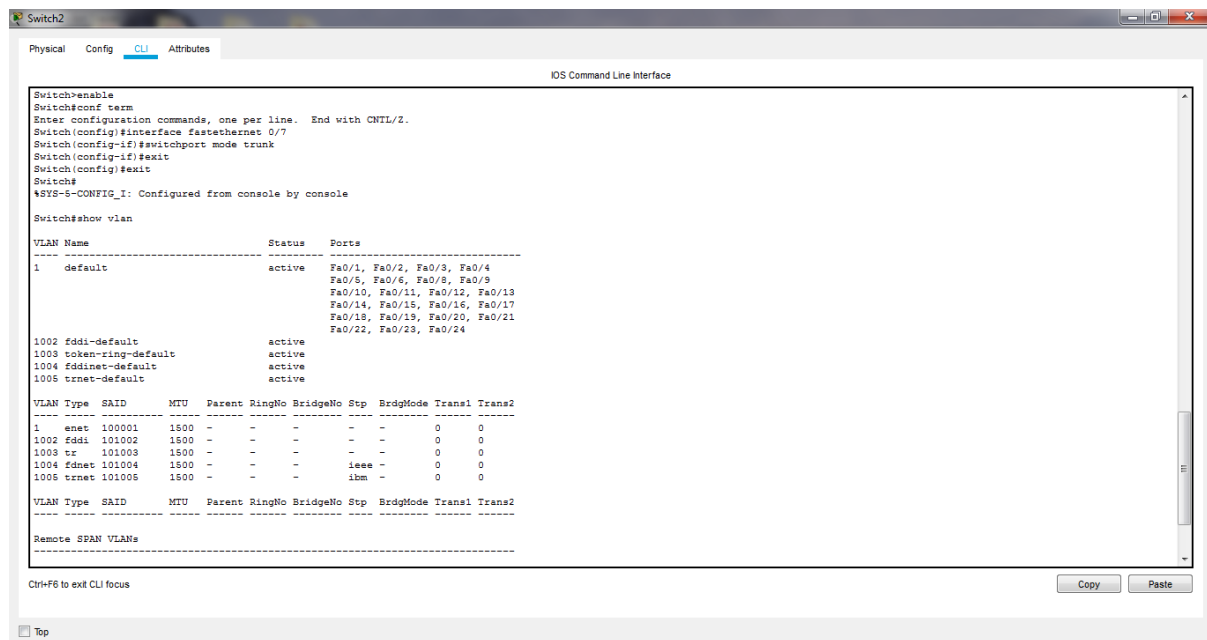
Top

## Leo – Pisces



RTO karena berbeda network dan dalam vlan yg berbeda. Bahkan vlan di sw.2 belum dikonfigurasi

## Konfigurasi vlan sw.2



```
Switch#show interface trunk
Port      Mode      Encapsulation  Status        Native vlan
Fa0/7     on        802.1q         trunking      1

Port      Vlans allowed on trunk
Fa0/7     1-1005

Port      Vlans allowed and active in management domain
Fa0/7     1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/7     1,10,20,30

Switch#
```

Ctrl-F6 to exit CLI focus

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Top

## Leo – Aries

Leo 172.21.1.1

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Pinging 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3: bytes=32 time=42ms TTL=128
Reply from 172.21.1.3: bytes=32 time=15ms TTL=128
Reply from 172.21.1.3: bytes=32 time=15ms TTL=128
Reply from 172.21.1.3: bytes=32 time=11ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 42ms, Average = 20ms

C:\>cls
Invalid Command.

C:\>ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

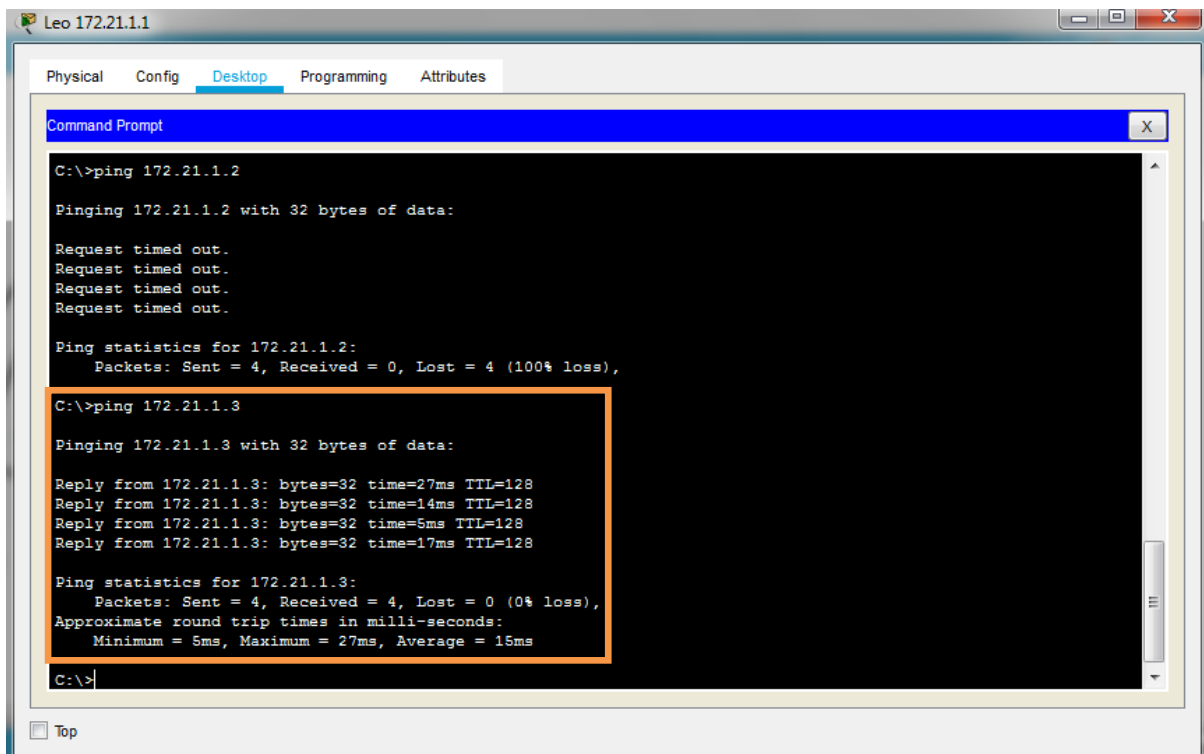
Ping statistics for 172.21.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Top

RTO, Karena berada di vLan yg berbeda, meskipun networknya sama.

## Leo – Aquarius

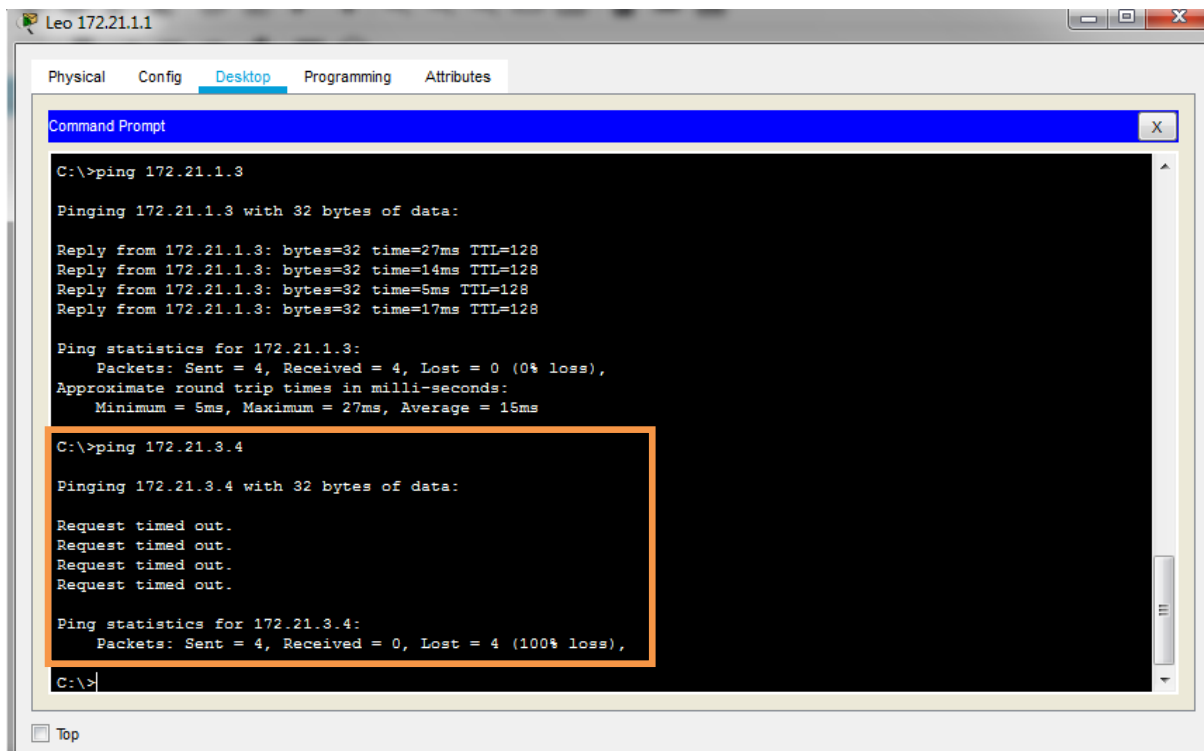


```
Leo 172.21.1.1
Physical Config Desktop Programming Attributes
Command Prompt
C:\>ping 172.21.1.2
Pinging 172.21.1.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.21.1.3
Pinging 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3: bytes=32 time=27ms TTL=128
Reply from 172.21.1.3: bytes=32 time=14ms TTL=128
Reply from 172.21.1.3: bytes=32 time=5ms TTL=128
Reply from 172.21.1.3: bytes=32 time=17ms TTL=128
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 27ms, Average = 15ms
C:\>
```

Reply, karena vlan dan networknya sama

## Leo – Pisces



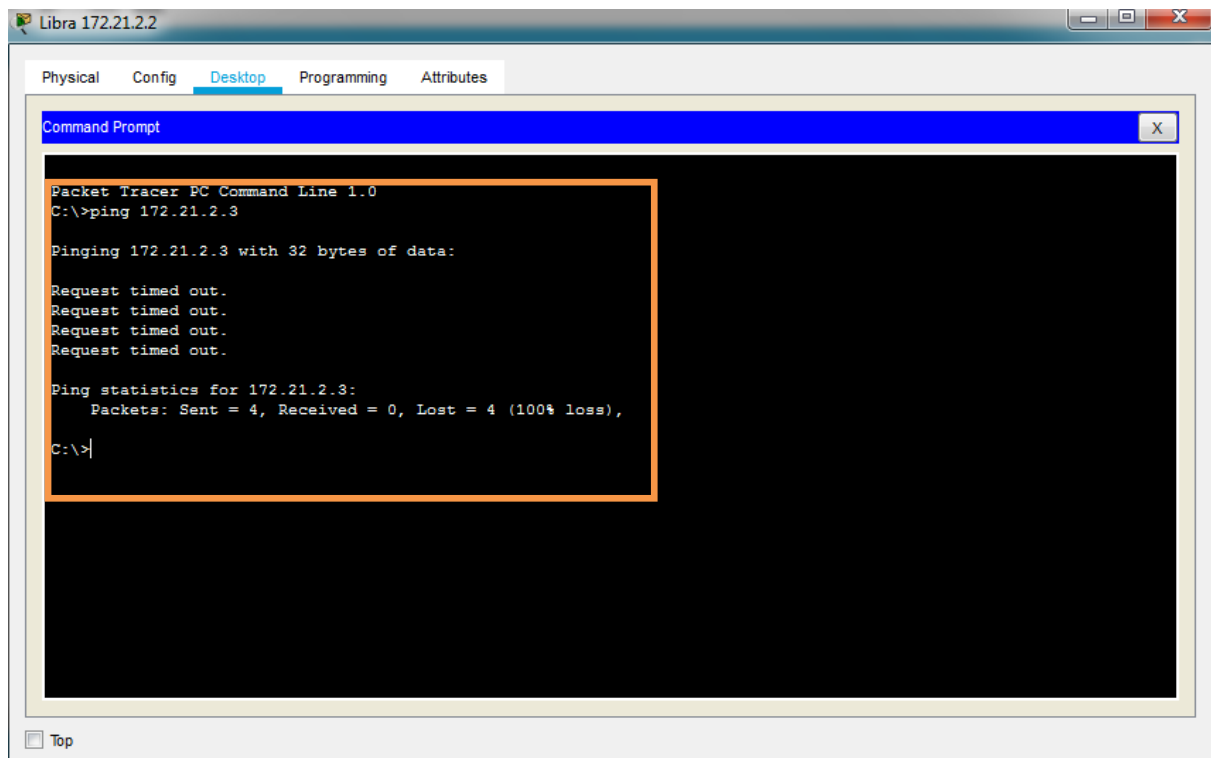
```
Leo 172.21.1.1
Physical Config Desktop Programming Attributes
Command Prompt
C:\>ping 172.21.1.3
Pinging 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3: bytes=32 time=27ms TTL=128
Reply from 172.21.1.3: bytes=32 time=14ms TTL=128
Reply from 172.21.1.3: bytes=32 time=5ms TTL=128
Reply from 172.21.1.3: bytes=32 time=17ms TTL=128
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 27ms, Average = 15ms

C:\>ping 172.21.3.4
Pinging 172.21.3.4 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

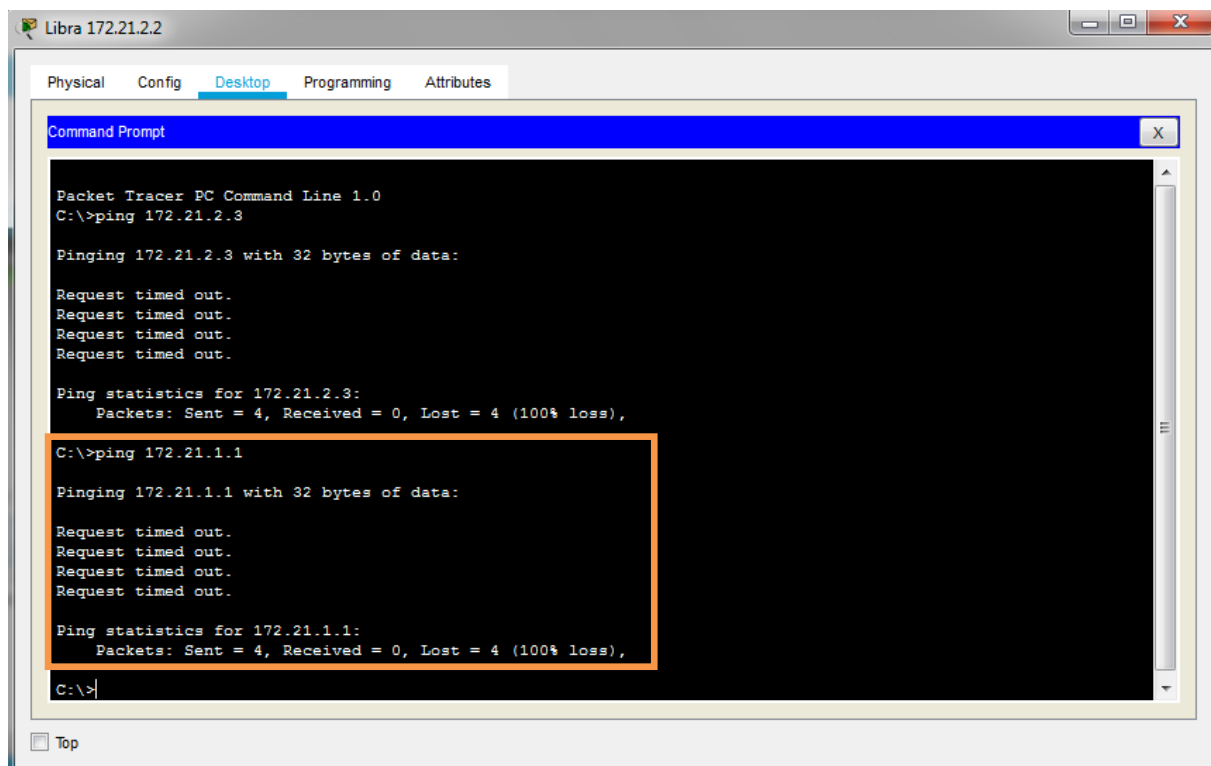
RTO, Karena di vlan dan network yg berbeda

## Libra – Cancer



RTO, Karena tidak berada di satu vlan yg sama

## Libra – Leo



RTO, Karena Networknya berbeda.