



NU FAIRVIEW

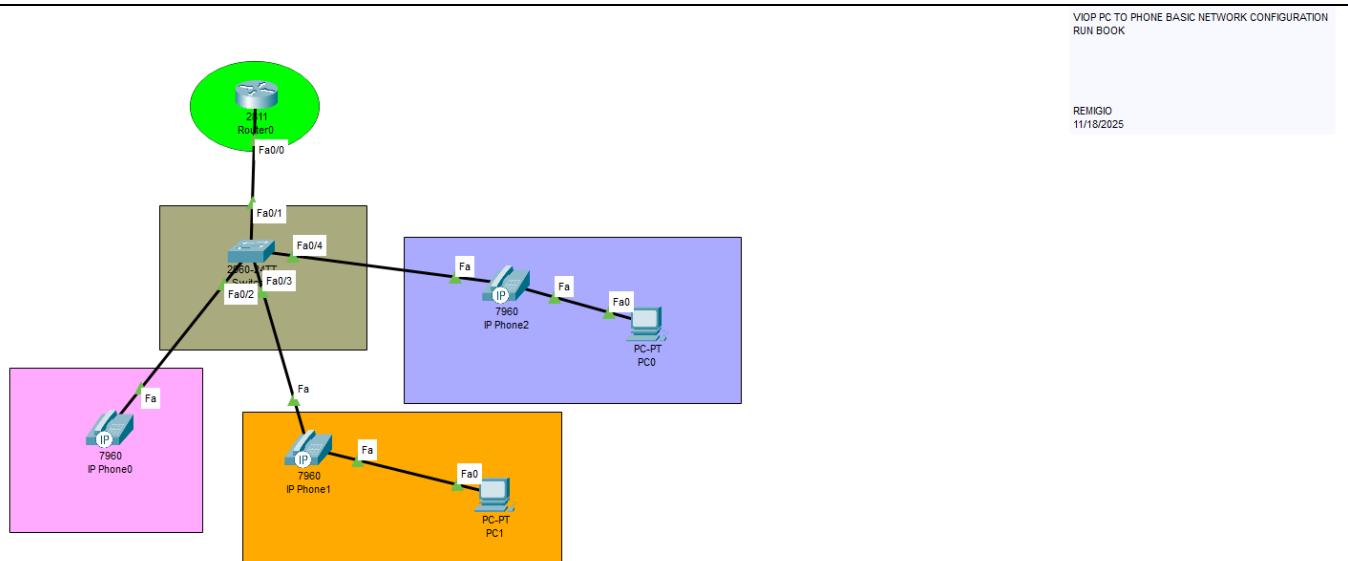
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SWEDENET

VIOP PC TO PHONE BASIC NETWORK CONFIGURATION RUN BOOK CONFIGURATION RUN BOOK

NAME: Remigio, Patrick Onest

SECTION: IT -234



ROUTER CONFIGURATION

Router

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#host ephone
ephone(config)#interface fa0/0
ephone(config-if)#ip address 192.168.0.1 255.255.255.0
ephone(config-if)#no shut

ephone(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

ephone(config-if)#ip dhcp pool ephone
ephone(dhcp-config)#network 192.168.0.0 255.255.255.0
ephone(dhcp-config)#option 150 ip 192.168.0.1
ephone(dhcp-config)#default 192.168.0.1
ephone(dhcp-config)#ex
ephone(config)#telephony-service
ephone(config-telephony)#max-ephone 5
ephone(config-telephony)#max-dn 5
ephone(config-telephony)#ip source-address 192.168.0.1 port 2000
ephone(config-telephony)#auto assign 4 to 6
ephone(config-telephony)#auto assign 1 to 5
ephone(config-telephony)#exit
ephone(config)#ephone-dn 1
ephone(config-ephone-dn)##LINK-3-UPDOWN: Interface ephone_dsp DN 1.1, changed state to up

ephone(config-ephone-dn)#number 0001
ephone(config-ephone-dn)#exit
ephone(config)#ephone-dn 2
ephone(config-ephone-dn)##LINK-3-UPDOWN: Interface ephone_dsp DN 2.1, changed state to up

ephone(config-ephone-dn)#number 0002
ephone(config-ephone-dn)#exit
ephone(config)#ephone-dn 3
ephone(config-ephone-dn)##LINK-3-UPDOWN: Interface ephone_dsp DN 3.1, changed state to up

ephone(config-ephone-dn)#number 0003
ephone(config-ephone-dn)##LINK-3-UPDOWN: Interface ephone_dsp DN 3.2, changed state to up
```



SWITCH CONFIGURATION

Switch0

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Version ID          : V02
CLEI Code Number    : COM3L00BRA
Hardware Board Revision Number : 0x01

Switch Ports Model      SW Version      SW Image
-----  -----  -----
*   1 26    WS-C2960-24TT-L    15.0(2)SE4    C2960-LANBASEK9-M

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE
SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Wed 26-Jun-13 02:49 by mnguyen

Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface range fa 0/1-24
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport voice vlan 1
Switch(config-if-range)#

Copy Paste
```

Top

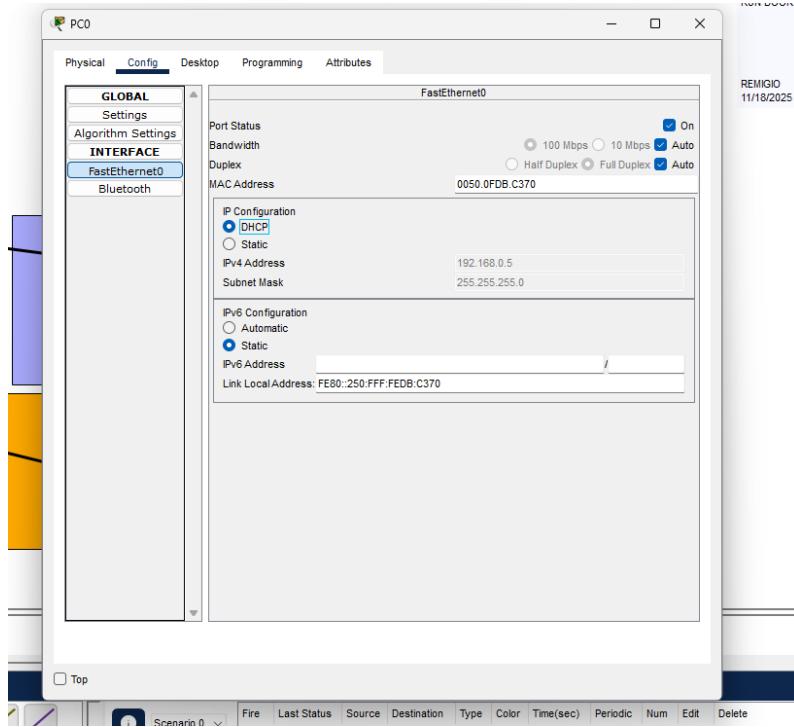


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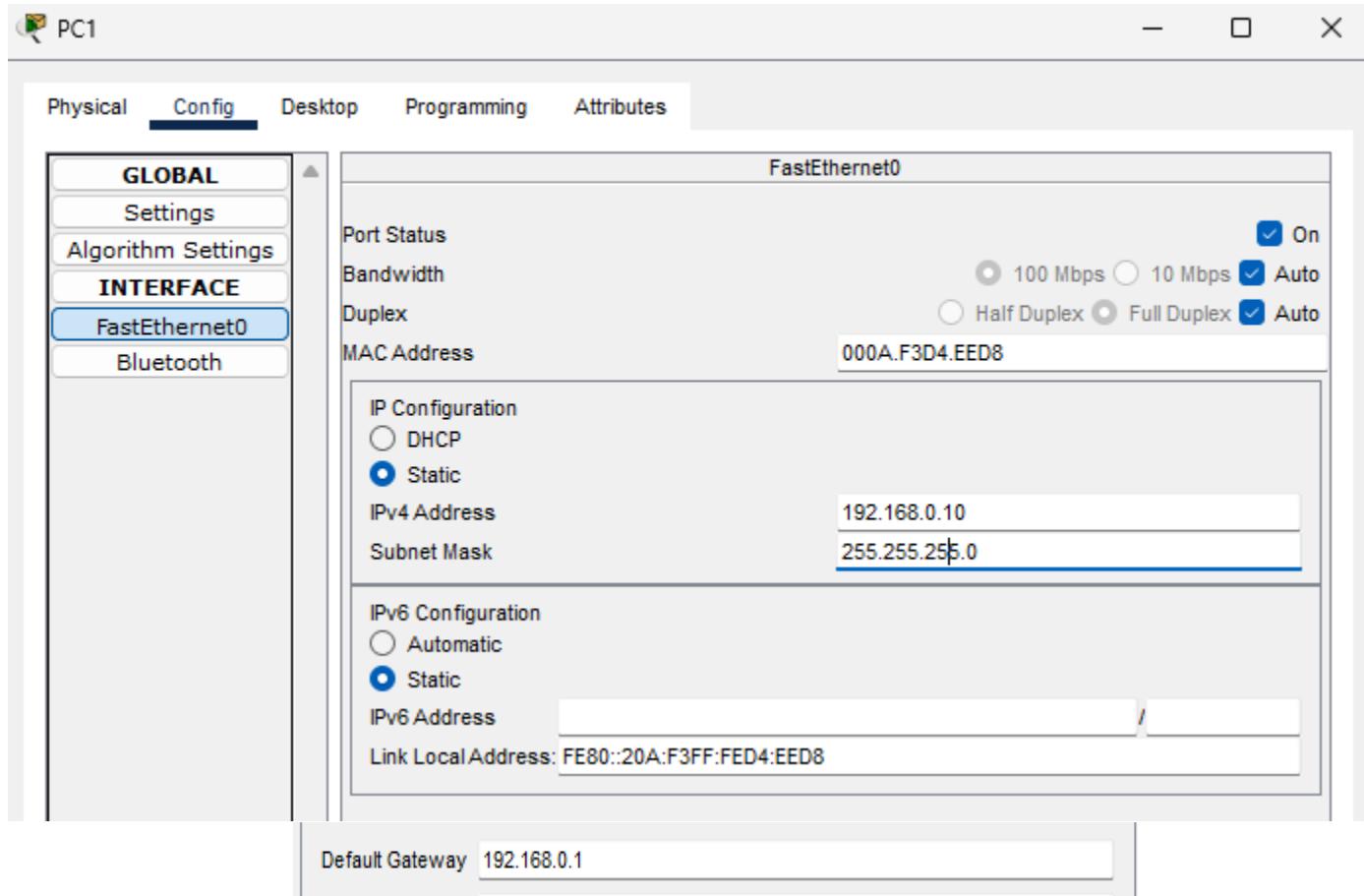
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PC CONFIGURATION

PC0



PC1





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PC TEST

PC0

The screenshot shows a Cisco Packet Tracer interface titled "PC0". The window has tabs: Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is selected. Inside the window, there is a "Command Prompt" window with the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: FE80::250:FFF:FEDE:C370
IPv6 Address.....: ::
IPv4 Address.....: 192.168.0.5
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
                           192.168.0.1

Bluetooth Connection:

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
                           0.0.0.0

C:\>ping 192.168.0.10

Pinging 192.168.0.10 with 32 bytes of data:

Reply from 192.168.0.10: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

At the bottom of the Command Prompt window, there is a checkbox labeled "Top". Below the window, there is a toolbar with various icons and a row of buttons labeled: Fire, Last Status, Source, Destination, Type, Color, Time(sec), Periodic, Num, Edit, and Delete.



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PC1

```
Cisco Packet Tracer PC Command Line 1.0
C:>ping 192.168.0.5

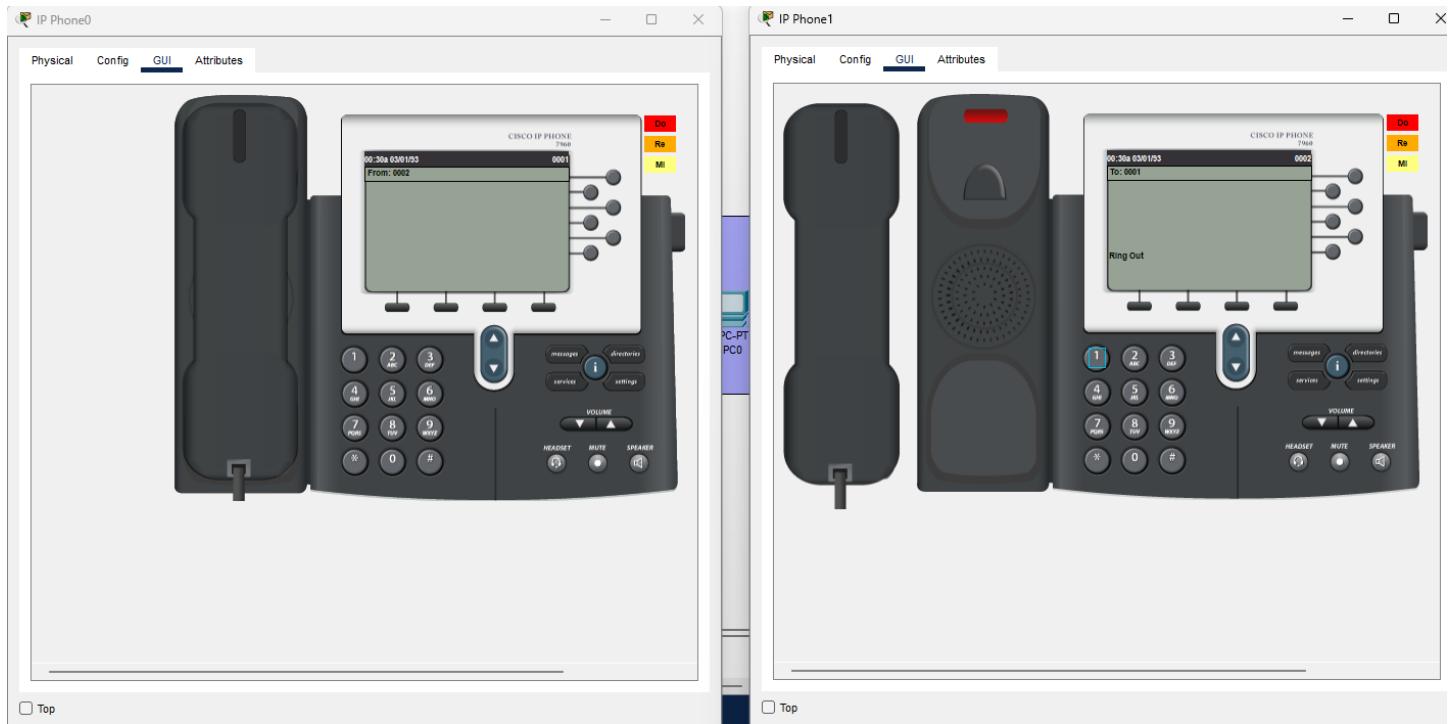
Pinging 192.168.0.5 with 32 bytes of data:

Reply from 192.168.0.5: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:>
```

IP PHONE TEST





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