



Universidad Autónoma De Chiapas

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7M

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File Edit View Control Node Annotate Tools Help

R3

```
*Mar 1 00:00:06.819: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0,
changed state to down
*Mar 1 00:00:08.381: %LINK-5-CHANGED: Interface Ethernet0/0, changed state to a
dministratively down
*Mar 1 00:00:08.389: %LINK-5-CHANGED: Interface Serial0/0, changed state to adm
inistratively down
R3#ena
R3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#interface e0/0
R3(config-if)#ip address 192.168.11.1 255.255.255.0
R3(config-if)#no sh
R3(config-if)#
*Mar 1 00:01:26.549: %LINK-3-UPDOWN: Interface Ethernet0/0, changed state to up
*Mar 1 00:01:27.551: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/
0, changed state to up
R3(config-if)#ex
R3(config)#ip dhcp excluded-address 192.168.11.1
R3(config)#ip dhcp pool jose
R3(dhcp-config)#network 192.168.11.0 255.255.255.0
R3(dhcp-config)#dns-server 192.168.11.1
R3(dhcp-config)#default-router 192.168.11.1
R3(dhcp-config)#exit
R3(config)#
```

PC1 VPCS PC2 VPCS PC3 VPCS

Topology Summary

Node	Console
PC1	telnet 192.168.152.128:5000
PC2	telnet localhost:5000
PC3	telnet 192.168.152.128:5002
R3	telnet 192.168.152.128:5005
Switch1	none

Servers Summary

GNS3 VM (GNS3 VM)	CPU 7.9%, RAM 10.4%
Jose	CPU 2.5%, RAM 89.0%

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PC1 - PuTTY

```
ena
Bad command: "ena". Use ? for help.

PC1> dhcp
DHCPA IP 192.168.11.2/24 GW 192.168.11.1
PC1>
```

PC1 VPCS PC2 VPCS PC3 VPCS

Topology Summary

Node	Console
PC1	telnet 192.168.152.128:5000
PC2	telnet localhost:5000
PC3	telnet 192.168.152.128:5002
R3	telnet 192.168.152.128:5005
Switch1	none

Servers Summary

GNS3 VM (GNS3 VM)	CPU 5.6%, RAM 10.4%
Jose	CPU 6.1%, RAM 90.5%

The screenshot shows the VPCS Virtual PC Simulator interface. A terminal window for PC2 displays the following text:

```
Welcome to Virtual PC Simulator, version 0.6.2
Dedicated to Daling.
Build time: Apr 10 2019 02:42:20
Copyright (c) 2007-2014, Paul Meng (mirnshi@gmail.com)
All rights reserved.

VPCS is free software, distributed under the terms of the "BSD" licence.
Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC2> dhcp
ODORA IP 192.168.11.2/24 GW 192.168.11.1

PC2> █
```

Below the terminal, a partial network diagram shows three VPCS nodes labeled PC1, PC2, and PC3. PC2 is highlighted with a green dot. To the right, a 'Topology Summary' panel lists the nodes and their console addresses:

Node	Console
PC1	telnet 192.168.152.128:5000
PC2	telnet localhost:5000
PC3	telnet 192.168.152.128:5002
R3	telnet 192.168.152.128:5005
Switch1	none

Below the topology summary, a 'Servers Summary' panel shows resource usage for GNS3 VM and Jose:

Servers Summary
GNS3 VM (GNS3 VM) CPU 6.1%, RAM 10.4%
Jose CPU 4.0%, RAM 90.6%

The screenshot shows the VPCS Virtual PC Simulator interface. A terminal window for PC3 displays the following text:

```
Welcome to Virtual PC Simulator, version 0.8.2
Dedicated to Daling.
Build time: Aug 23 2021 11:15:00
Copyright (c) 2007-2015, Paul Meng (mirnshi@gmail.com)
All rights reserved.

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Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC3> dhcp
ODORA IP 192.168.11.3/24 GW 192.168.11.1

PC3> █
```

Below the terminal, a partial network diagram shows three VPCS nodes labeled PC1, PC2, and PC3. PC3 is highlighted with a green dot. To the right, a 'Topology Summary' panel lists the nodes and their console addresses:

Node	Console
PC1	telnet 192.168.152.128:5000
PC2	telnet localhost:5000
PC3	telnet 192.168.152.128:5002
R3	telnet 192.168.152.128:5005
Switch1	none

Below the topology summary, a 'Servers Summary' panel shows resource usage for GNS3 VM and Jose:

Servers Summary
GNS3 VM (GNS3 VM) CPU 6.7%, RAM 10.4%
Jose CPU 5.2%, RAM 91.5%

The screenshot shows the VPCS Virtual PC Simulator interface with a complete network topology diagram. The diagram includes a router (R3) at the top, connected to a switch (Switch1) below it. The switch is connected to three VPCS nodes labeled PC1, PC2, and PC3. The router is also connected to the switch. The nodes are represented by laptop icons with 'VPCS' text on them. To the right, a 'Topology Summary' panel lists the nodes and their console addresses:

Node	Console
PC1	telnet 192.168.152.128:5000
PC2	telnet localhost:5000
PC3	telnet 192.168.152.128:5002
R3	telnet 192.168.152.128:5005
Switch1	none

Below the topology summary, a 'Servers Summary' panel shows resource usage for GNS3 VM and Jose:

Servers Summary
GNS3 VM (GNS3 VM) CPU 7.3%, RAM 10.4%
Jose CPU 7.8%, RAM 89.1%

