

Lab 9-3

1. My GNS3 configuration

The screenshot shows the GNS3 application window titled "lab9.gns3* - GNS3". The interface includes a top toolbar with various icons for file operations, simulation control, and network elements. On the left is a vertical sidebar with icons for different device types: server, switch, router, cloud, and others. The main workspace displays a network diagram with a cloud icon labeled "Cloud 1" connected to a router icon labeled "R1". A yellow tooltip box is positioned over the connection, containing the following text:

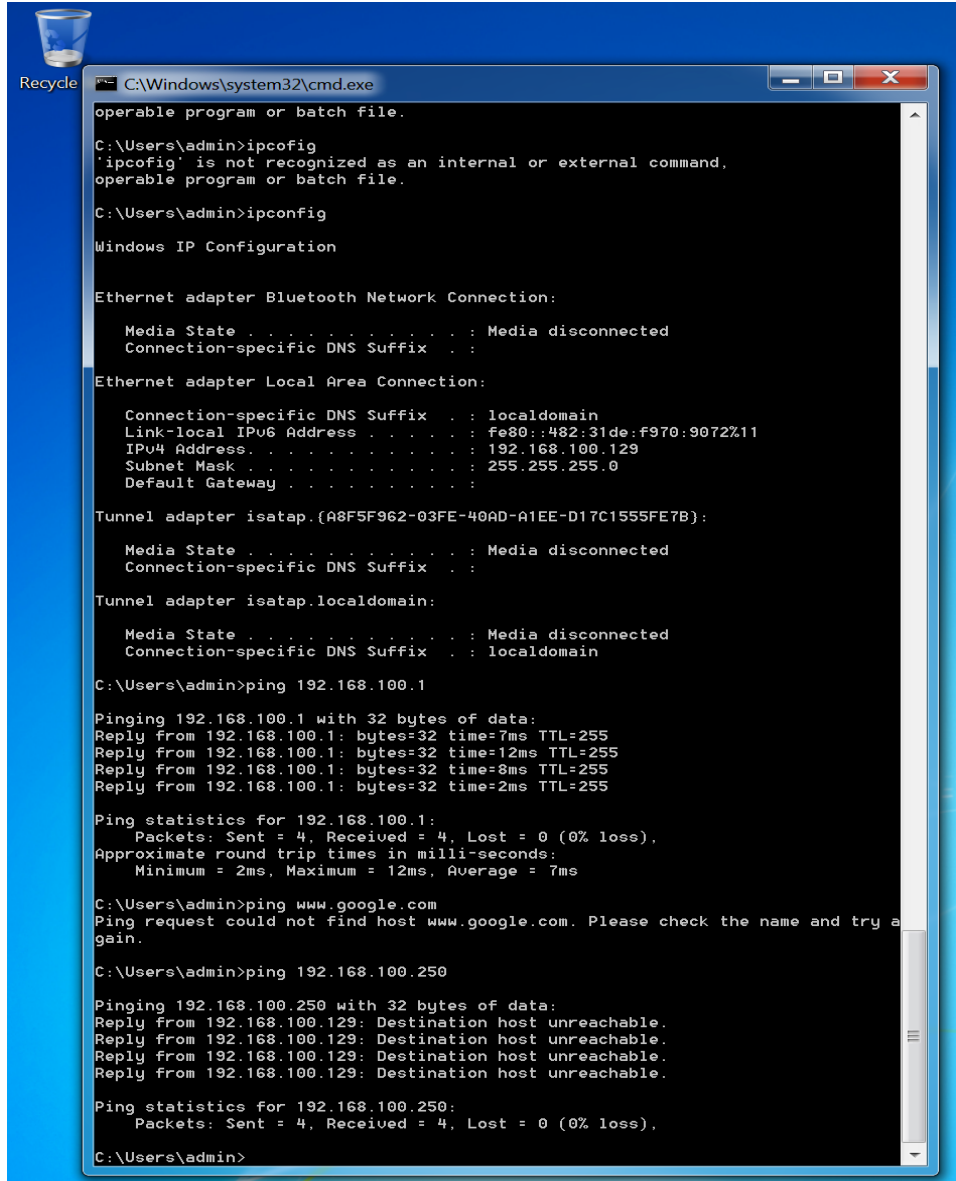
- Cloud device Cloud 1 is always-on
- This is a pseudo-device for external connections
- Port nio_gen_eth:ens33 connected to R1 on port FastEthernet0/0
- Port nio_gen_linux:ens38 connected to R1 on port FastEthernet0/1

At the bottom of the window is a console area with the following text:

```
Running GNS3 version 1.5.3 on Linux (64-bit) with Python 3.5.2 Qt 5.5.1.  
Copyright (c) 2006-2017 GNS3 Technologies.  
Use Help -> GNS3 Doctor to detect common issues.  
=>
```

In the top right corner of the GNS3 window, there is a notification bubble that says "Senior Design meeting in 30 minutes" with "Close" and "Snooze" buttons.

2. Windows 7 pinging the GNS3 router



```
C:\Windows\system32\cmd.exe

operable program or batch file.

C:\Users\admin>ipconfig
'ipconfig' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\admin>ipconfig

Windows IP Configuration

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . : localdomain
    Link-local IPv6 Address . . . . . : fe80::482:31de:f970:9072%11
    IPv4 Address. . . . . : 192.168.100.129
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Tunnel adapter isatap.{A8F5F962-03FE-40AD-A1EE-D17C1555FE7B}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Tunnel adapter isatap.localdomain:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . : localdomain

C:\Users\admin>ping 192.168.100.1

Pinging 192.168.100.1 with 32 bytes of data:
Reply from 192.168.100.1: bytes=32 time=7ms TTL=255
Reply from 192.168.100.1: bytes=32 time=12ms TTL=255
Reply from 192.168.100.1: bytes=32 time=8ms TTL=255
Reply from 192.168.100.1: bytes=32 time=2ms TTL=255

Ping statistics for 192.168.100.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 12ms, Average = 7ms

C:\Users\admin>ping www.google.com
Ping request could not find host www.google.com. Please check the name and try again.

C:\Users\admin>ping 192.168.100.250

Pinging 192.168.100.250 with 32 bytes of data:
Reply from 192.168.100.129: Destination host unreachable.
Reply from 192.168.100.129: Destination host unreachable.
Reply from 192.168.100.129: Destination host unreachable.
Reply from 192.168.100.129: Destination host unreachable.

Ping statistics for 192.168.100.250:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

C:\Users\admin>
```

3. Ubuntu IP settings

The screenshot shows a GNS3 interface with a terminal window open. The terminal displays the output of the `ifconfig` command for three network interfaces: `ens33`, `ens38`, and `lo`. The `ens33` interface is an Ethernet card with IP address `192.168.100.133`. The `ens38` interface is also an Ethernet card with IP address `192.168.100.133`. The `lo` interface is a local loopback with IP address `127.0.0.1`. The terminal also shows some log messages from GNS3, including a warning about closing the console.

```
michael@ubuntu: ~$ ifconfig
ens33: Link encap:Ethernet HWaddr 00:0c:29:bb:4a:7c
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:16567 errors:0 dropped:0 overruns:0 frame:0
       TX packets:464 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:3235398 (3.2 MB) TX bytes:48141 (48.1 KB)

ens38: Link encap:Ethernet HWaddr 00:0c:29:bb:4a:86
       inet addr:192.168.100.133 Bcast:192.168.100.255 Mask:255.255.255.0
       inet6 addr: fe80::858f:e89b:22c2:eba8/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:3151 errors:0 dropped:0 overruns:0 frame:0
       TX packets:7352 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:241302 (241.3 KB) TX bytes:492236 (492.2 KB)

lo: Link encap:Local Loopback
     inet addr:127.0.0.1 Mask:255.0.0.0
     inet6 addr: ::1/128 Scope:Host
         UP LOOPBACK RUNNING  MTU:65536  Metric:1
         RX packets:5963 errors:0 dropped:0 overruns:0 frame:0
         TX packets:5963 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1
         RX bytes:506469 (506.4 KB) TX bytes:506469 (506.4 KB)

virbr0: Link encap:Ethernet HWaddr 00:00:00:00:00:00
        inet addr:192.168.122.1 Bcast:192.168.122.255 Mask:255.255.255.0
        UP BROADCAST MULTICAST  MTU:1500  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

michael@ubuntu:~$
```

Running GNS3 version 1.5.3 on Linux
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Use Help -> GNS3 Doctor to detect problems

Topology Summary
Cloud 1
R1

Servers Summary
Local CP...