CN PROJECT

Create a Network Testing tool: It should analyze the network devices connected with gateways (loopback Ip it uses for that), Ping, Traceroute, and other features which you have experimented with in your LAB sessions.

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Ping:

Ping (latency is the technically more correct term) **means** the time it takes for a small data set to be transmitted from your device to a server on the Internet and back to your device again. The **ping** time is measured in milliseconds (ms).

Traceroute:

Traceroute is a network diagnostic tool **used to** track in real-time the pathway taken by a packet on an IP network from source to destination, reporting the IP addresses of all the routers it pinged in between. **Traceroute** also records the time taken for each hop the packet makes during its route to the destination.

Nslookup:

To **use** in interactive mode type **nslookup** at the command line and hit return. You should get an **nslookup** command prompt. To **use** in non-interactive mode type **nslookup** options at the command prompt.

Using Nslookup

- 1. Find the IP address of a host.
- 2. Find the domain name of an IP address.
- 3. Find mail servers for a domain.

Ifconfig:

ifconfig is a system administration utility in Unix-like operating systems for network interface configuration. The utility is a command-line interface tool and is also used in the system startup scripts of many operating systems.

Route:

Routing is the process of selecting a **path** for traffic in a **network** or between or across multiple **networks**. ... Packet forwarding is the transit of **network** packets from one **network** interface to another. Intermediate nodes are typically **network** hardware devices such as routers, gateways, firewalls, or switches

Dig:

Dig (**Domain Information Groper**) is a command line utility that performs DNS lookup by querying name servers and displaying the result to you. In this tutorial, you'll find all the basic uses of the command you should know in the Linux operating system.

Nmap:

Nmap is a **network** mapper that has emerged as one of the most popular, free **network** discovery tools on the market. ... The program can be used to find live hosts on a **network**, perform port scanning, ping sweeps, OS detection, and version detection

CODE:

SERVER SIDE:

```
import socket
from Tkinter import *
import Tkinter as tk
import tkMessageBox
import subprocess, platform
from subprocess import Popen, PIPE
from thread import *
import threading
clientlist = []
print lock = threading.Lock()
# thread function
def threaded(c,addr,i):
  while True:
     # data received from client
     data = c.recv(1024)
     if not data:
       print('Disconnected from {} and port {}'. format(addr[0],
str(addr[1])) )
       del clientlist[i]
       #print lock.release()
       break
  # connection closed
  c.close()
def Main():
  serverip="127.0.0.1"
  host = serverip
  port = 9009
  s = socket.socket(socket.AF INET, socket.SOCK STREAM)
  s.bind((host, port))
  print("socket binded to port", port)
  # put the socket into listening mode
  s.listen(10)
```

```
print("socket is listening")
for i in range(6s):
  # establish connection with client
  c, addr = s.accept()
  I = \{\}
  #print lock.acquire()
  print('Connected to :'+addr[0]+' '+str(addr[1]))
  I["ip"] = addr[0]
  ["port"] = addr[1]
  clientlist.append(I)
  start new thread(threaded, (c,addr,i))
top = tk.Tk()
top.title("Server Network Testing Tool")
canvas = tk.Canvas(top, bg = "#99d6ff", height=550, width=750)
canvas.pack(fill=BOTH, expand = YES)
main frame = tk.Frame(top, bg="black")
main frame.place(relx=0.02, rely=0.2, relwidth=0.96, relheight=0.8)
scroll bar = Scrollbar(main frame)
scroll_bar.pack( side = RIGHT, fill = Y )
mylist = Listbox(main frame, yscrollcommand = scroll bar.set)
scroll bar.config( command = mylist.yview )
def clearFrame():
  for widget in main frame.winfo children():
    widget.destroy()
def pingbox(host, count):
  clearFrame()
  command = "python3 ping.py "+host+" "+str(count)
  stdout = Popen(command, shell=True, stdout=PIPE).stdout
```

```
output = stdout.read()
    pinglabel = Label(main_frame, text=output, bg="black", fg="white")
    pinglabel.pack()
  def traceroutebox(host=serverip):
     clearFrame()
    command = "sudo python3 tracefinal.py "+host
    stdout = Popen(command, shell=True, stdout=PIPE).stdout
    output = stdout.read()
    for i in output.split("\n"):
       pinglabel = Label(main frame, text=i, bg="black", fg="white")
       pinglabel.pack()
  def nslookupbox(host=serverip):
    clearFrame()
    command = "python3 nslookup.py "+host
    stdout = Popen(command, shell=True, stdout=PIPE).stdout
     output = stdout.read()
    pinglabel = Label(main frame, text=output, bg="black", fg="white")
    pinglabel.pack()
  def ifconfigbox():
     clearFrame()
    stdout = Popen('python3 ifconfig.py', shell=True,
stdout=PIPE).stdout
     output = stdout.read()
    pinglabel = Label(main frame, text=output, bg="black", fg="white")
    pinglabel.pack()
      #tkMessageBox.showinfo("IFCONFIG",output)
  def digbox(host=serverip):
    clearFrame()
    #result=ping(serverip)
    command = "python3 dig.py "+host
```

```
stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
  for i in output.split("\n"):
     pinglabel = Label(main frame, text=i, bg="black", fg="white")
     pinglabel.pack()
def routebox(host=serverip):
  clearFrame()
  command = "python3 route.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 routelabel = Label(main frame, text=output, bg="black", fg="white")
 routelabel.pack()
def nmapbox(host=serverip):
  clearFrame()
 command = "python3 nmap.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 nmaplabel = Label(main frame, text=output, bg="black", fg="white")
 nmaplabel.pack()
def getdata(text input,top1,funcname):
     data = text input.get();
    top1.destroy()
     funcname(clientlist[int(data)-1]['ip'])
def pingcustom():
  top1 = tk.Tk()
  top1.title("Custom ping")
  canvas1 = tk.Canvas(top1, height=260, width=300)
  canvas1.pack()
  data=[]
  f = open("clientdata.txt","w")
  f.write("Client\t ip\tport\n")
  for i in range(len(clientlist)):
       #print(clientlist[i])
    f.write(str(i+1)+"
                           "+clientlist[i]['ip']+"
```

```
"+str(clientlist[i]['port'])+"\n")
       data.append(clientlist[i]['ip']+" "+str(clientlist[i]['port'])+"\n")
     f.close()
     def getdataping(text input,top1,funcname):
       data = text input.get();
       num,count = data.split(",")
       top1.destroy()
       funcname(clientlist[int(num)-1]['ip'],count)
     f = open("clientdata.txt","r")
     cdata = f.read()
     P = Label(top1, text = cdata, font = ('times', 12,'bold'))
     f.close()
     P.place(x=2, y=10, width= 280, height=150)
     L = Label(top1, text = "Enter Client Number, number of pings", font =
('times', 12,'bold'))
     L.place(x=5, y=140, width= 280, height=40)
     text input = Entry(top1, width=30)
     text input.bind("<Return>", lambda i :
getdataping(text input,top1,pingbox))
     text_input.place(x=10, y=180,width=180, height=30)
     S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
     S.place(x=5, y=220, width= 180, height=20)
     top1.mainloop()
  def traceroutecustom():
     top1 = tk.Tk()
     top1.title("Custom traceroute")
     canvas1 = tk.Canvas(top1, height=260, width=300)
     canvas1.pack()
     data=[]
     f = open("clientdata.txt","w")
     f.write("Client\t ip\tport\n")
     for i in range(len(clientlist)):
                               "+clientlist[i]['ip']+"
       f.write(str(i+1)+"
"+str(clientlist[i]['port'])+"\n")
```

```
f.close()
    f = open("clientdata.txt","r")
     cdata = f.read()
     P = Label(top1, text = cdata, font = ('times', 12,'bold'))
     f.close()
     P.place(x=2, y=10, width= 280, height=150)
     L = Label(top1, text = "Enter Client Number:", font = ('times',
12,'bold'))
     L.place(x=5, y=140, width= 280, height=40)
     text input = Entry(top1, width=30)
     text input.bind("<Return>", lambda i :
getdata(text input,top1,traceroutebox))
     text_input.place(x=10, y=180,width=180, height=30)
     S = Label(top1, text = "Press enter to proceed", font = ('times',
11,'italic'))
     S.place(x=5, y=220, width= 180, height=20)
     top1.mainloop()
  def nslookupcustom():
     top1 = tk.Tk()
     top1.title("Custom nslookup")
     canvas1 = tk.Canvas(top1, height=260, width=300)
     canvas1.pack()
     data=[]
     f = open("clientdata.txt","w")
    f.write("Client\t ip\tport\n")
     for i in range(len(clientlist)):
                               "+clientlist[i]['ip']+"
       f.write(str(i+1)+"
"+str(clientlist[i]['port'])+"\n")
     f.close()
    f = open("clientdata.txt","r")
     cdata = f.read()
     P = Label(top1, text = cdata, font = ('times', 12,'bold'))
     f.close()
     P.place(x=2, y=10, width= 280, height=150)
     L = Label(top1, text = "Enter Client Number:", font = ('times',
12,'bold'))
     L.place(x=5, y=140, width= 280, height=40)
```

```
text_input = Entry(top1, width=30)
     text input.bind("<Return>", lambda i :
getdata(text input,top1,nslookupbox))
     text_input.place(x=10, y=180,width=180, height=30)
     S = Label(top1, text = "Press enter to proceed", font = ('times',
11,'italic'))
     S.place(x=5, y=220, width= 180, height=20)
     top1.mainloop()
  def digcustom():
     top1 = tk.Tk()
     top1.title("Custom dig")
     canvas1 = tk.Canvas(top1, height=260, width=300)
     canvas1.pack()
     data=[]
    f = open("clientdata.txt","w")
    f.write("Client\t ip\tport\n")
    for i in range(len(clientlist)):
       f.write(str(i+1)+"
                               "+clientlist[i]['ip']+"
"+str(clientlist[i]['port'])+"\n")
     f.close()
    f = open("clientdata.txt","r")
     cdata = f.read()
     P = Label(top1, text = cdata, font = ('times', 12,'bold'))
     f.close()
     P.place(x=2, y=10, width= 280, height=150)
     L = Label(top1, text = "Enter Client Number:", font = ('times',
12,'bold'))
     L.place(x=5, y=140, width= 280, height=40)
     text input = Entry(top1, width=30)
     text input.bind("<Return>", lambda i :
getdata(text input,top1,digbox))
     text input.place(x=10, y=180,width=180, height=30)
     S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
     S.place(x=5, y=220, width= 180, height=20)
  def nmapcustom():
```

```
top1 = tk.Tk()
     top1.title("Custom nmap")
     canvas1 = tk.Canvas(top1, height=260, width=300)
     canvas1.pack()
     data=[]
     f = open("clientdata.txt","w")
     f.write("Client\t ip\tport\n")
     for i in range(len(clientlist)):
       f.write(str(i+1)+"
                              "+clientlist[i]['ip']+"
"+str(clientlist[i]['port'])+"\n")
     f.close()
     f = open("clientdata.txt","r")
     cdata = f.read()
     P = Label(top1, text = cdata, font = ('times', 12, 'bold'))
     f.close()
     P.place(x=2, y=10, width= 280, height=150)
     L = Label(top1, text = "Enter Client Number:", font = ('times',
12,'bold'))
     L.place(x=5, y=140, width= 280, height=40)
     text_input = Entry(top1, width=30)
     text input.bind("<Return>", lambda i :
getdata(text input,top1,nmapbox))
     text input.place(x=10, y=180,width=180, height=30)
     S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
     S.place(x=5, y=220, width= 180, height=20)
     top1.mainloop()
  B= tk.Button( top, text="ping",fg = "white", bg="black", font=('times', 16,
'bold'), cursor="hand2", command=pingcustom)
  B.place(relx=0, rely=0.04, relwidth=0.143, relheight=0.075)
  C= tk.Button (top, text="traceroute", fg = "white", bg="black",
font=('times', 16, 'bold'), cursor="hand2", command=traceroutecustom)
  C.place(relx=0.143, rely=0.04, relwidth=0.143, relheight=0.075)
  D= tk.Button (top, text="nslookup", fg = "white", bg="black",
```

```
font=('times', 16, 'bold'), cursor="hand2", command=nslookupcustom)
  D.place(relx=0.286, rely=0.04, relwidth=0.143, relheight=0.075)
  E = tk.Button(top, text ="ifconfig", fg = "white", bg="black",font=('times',
16, 'bold'),cursor = "hand2", command = ifconfigbox)
  E.place(relx=0.429, rely=0.04, relwidth=0.143, relheight=0.075)
  F= tk.Button (top, text="dig", relief=RAISED, fg = "white", bg="black",
font=('times', 16, 'bold'), cursor="hand2", command=digcustom)
  F.place(relx=0.572, rely=0.04, relwidth=0.143, relheight=0.075,)
  G = tk.Button(top, text ="route", fg = "white", bg="black",font=('times',
16, 'bold'),command = routebox, cursor="hand2")
  G.place(relx=0.715, rely=0.04, relwidth=0.143, relheight=0.075,)
  H= tk.Button(top, text ="nmap", fg = "white", bg="black",font=('times',
16, 'bold'),command = nmapcustom, cursor="hand2")
  H.place(relx=0.858, rely=0.04, relwidth=0.143, relheight=0.075,)
  top.mainloop()
  s.close()
if __name__ == '__main__':
  Main()
```

CLIENT SIDE:

```
import socket
from Tkinter import *
import Tkinter as tk
import tkMessageBox
import subprocess, platform
from subprocess import Popen, PIPE

def Main():
    host = '127.0.0.1' #35.246.29.33(hosted server ip address)
    serverip = host
```

```
port = 9009
s = socket.socket(socket.AF INET,socket.SOCK STREAM)
s.connect((host,port))
top = tk.Tk()
top.title("Network Testing Tool")
canvas = tk.Canvas(top, height=550, width=750)
canvas.pack(fill=BOTH, expand = YES)
main frame = tk.Frame(top, bg="black")
main frame.place(relx=0.02, rely=0.2, relwidth=0.96, relheight=0.8)
scroll bar = Scrollbar(main frame)
scroll bar.pack( side = RIGHT, fill = Y )
mylist = Listbox(main frame, yscrollcommand = scroll bar.set)
scroll bar.config( command = mylist.yview )
def clearFrame():
 for widget in main_frame.winfo_children():
   widget.destroy()
def pingbox(host=serverip, count=5):
  clearFrame()
 command = "python3 ping.py "+host+" "+str(count)
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 pinglabel = Label(main frame, text=output, bg="black", fg="white")
 pinglabel.pack()
def traceroutebox(host=serverip):
  clearFrame()
 command = "sudo python3 tracefinal.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 for i in output.split("\n"):
    pinglabel = Label(main frame, text=i, bg="black", fg="white")
    pinglabel.pack()
```

```
def nslookupbox(host=serverip):
 clearFrame()
 command = "python3 nslookup.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
 output = stdout.read()
 pinglabel = Label(main frame, text=output, bg="black", fg="white")
  pinglabel.pack()
def ifconfigbox():
  clearFrame()
 stdout = Popen('python3 ifconfig.py', shell=True, stdout=PIPE).stdout
  output = stdout.read()
 pinglabel = Label(main frame, text=output, bg="black", fg="white")
 pinglabel.pack()
def digbox(host=serverip):
  clearFrame()
  command = "python3 dig.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 for i in output.split("\n"):
    pinglabel = Label(main frame, text=i, bg="black", fg="white")
    pinglabel.pack()
def nmapbox(host=serverip):
  clearFrame()
 command = "python3 nmap.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
  output = stdout.read()
 nmaplabel = Label(main frame, text=output, bg="black", fg="white")
 nmaplabel.pack()
def routebox(host=serverip):
  clearFrame()
 command = "python3 route.py "+host
 stdout = Popen(command, shell=True, stdout=PIPE).stdout
 output = stdout.read()
 routelabel = Label(main frame, text=output, bg="black", fg="white")
```

```
routelabel.pack()
  def getdataping(text input,top1,funcname):
    data = text input.get();
    host,count = data.split(",")
    top1.destroy()
    funcname(host,count)
  def getdata(text input,top1,funcname):
    data = text input.get();
    top1.destroy()
    funcname(data)
  def pingcustom():
    top1 = tk.Tk()
    top1.title("Custom ping")
    canvas1 = tk.Canvas(top1, height=100, width=200)
    canvas1.pack()
    L = Label(top1, text = "Enter IP address, count", font = ('times',
12,'bold'))
    L.place(x=5, y=0.2, width= 180, height=40)
    text_input = Entry(top1, width=30)
    text input.bind("<Return>", lambda i :
getdataping(text input,top1,pingbox))
    text input.place(x=10, y=30,width=180, height=30)
    S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
    S.place(x=5, y=60, width= 180, height=40)
    top1.mainloop()
  B= Menubutton (top, text="ping", relief=RAISED, fg = "white",
bg="black", font=('times', 16, 'bold'), cursor="hand2", direction=RIGHT)
  B.menu = Menu (B, tearoff = 0)
  B["menu"] = B.menu
  B.menu.add checkbutton (label="ping server",command=pingbox)
  B.menu.add checkbutton (label="custom",command=pingcustom)
  B.place(relx=0, rely=0.04, relwidth=0.143, relheight=0.075)
```

```
def traceroutecustom():
    top1 = tk.Tk()
    top1.title("Custom Traceroute")
    canvas1 = tk.Canvas(top1, height=100, width=250)
    canvas1.pack()
    L = Label(top1, text = "Enter IP address", font = ('times', 12,'bold'))
    L.place(x=5, y=0.2, width= 180, height=40)
    text input = Entry(top1, width=30)
    text input.bind("<Return>", lambda i :
getdata(text input,top1,traceroutebox))
    text input.place(x=10, y=30,width=180, height=30)
    S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
    S.place(x=5, y=60, width= 180, height=40)
    top1.mainloop()
  C= Menubutton (top, text="traceroute", relief=RAISED, fg = "white",
bg="black", font=('times', 16, 'bold'), cursor="hand2")
  C.menu = Menu (C, tearoff = 0)
  C["menu"] = C.menu
  C.menu.add checkbutton ( label="server",command = traceroutebox)
  C.menu.add checkbutton ( label="custom",command =
traceroutecustom)
  C.place(relx=0.143, rely=0.04, relwidth=0.143, relheight=0.075)
  def nslookupcustom():
    top1 = tk.Tk()
    top1.title("Custom nslookup")
    canvas1 = tk.Canvas(top1, height=100, width=250)
    canvas1.pack()
    L = Label(top1, text = "Enter IP address", font = ('times', 12,'bold'))
    L.place(x=5, y=0.2, width= 180, height=40)
    text input = Entry(top1, width=30)
    text input.bind("<Return>", lambda i :
getdata(text input,top1,nslookupbox))
    text input.place(x=10, y=30,width=180, height=30)
    S = Label(top1, text = "Press enter to proceed", font = ('times',
```

```
11,'italic'))
    S.place(x=5, y=60, width= 180, height=40)
    top1.mainloop()
  D= Menubutton (top, text="nslookup", relief=RAISED, fg = "white",
bg="black", font=('times', 16, 'bold'), cursor="hand2")
  D.menu = Menu ( D, tearoff = 0 )
  D["menu"] = D.menu
  D.menu.add checkbutton ( label="server",command = nslookupbox)
  D.menu.add checkbutton ( label="custom",command =
nslookupcustom)
  D.place(relx=0.286, rely=0.04, relwidth=0.143, relheight=0.075)
  E = tk.Button(top, text ="ifconfig", fg = "white", bg="black",font=('times',
16, 'bold'),cursor = "hand2", command = ifconfigbox)
  E.place(relx=0.429, rely=0.04, relwidth=0.143, relheight=0.075)
  def digcustom():
    top1 = tk.Tk()
    top1.title("Custom dig")
    canvas1 = tk.Canvas(top1, height=100, width=200)
    canvas1.pack()
    L = Label(top1, text = "Enter IP address", font = ('times', 12,'bold'))
    L.place(x=5, y=0.2, width= 180, height=40)
    text input = Entry(top1, width=30)
    text_input.bind("<Return>", lambda i :
getdata(text input,top1,digbox))
    text input.place(x=10, y=30,width=180, height=30)
    S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
    S.place(x=5, y=60, width= 180, height=40)
    top1.mainloop()
  F= Menubutton (top, text="dig", relief=RAISED, fg = "white",
bg="black",font=('times', 16, 'bold'), cursor="hand2")
  F.menu = Menu (F, tearoff = 0)
  F["menu"] = F.menu
  F.menu.add checkbutton ( label="server" ,command = digbox)
```

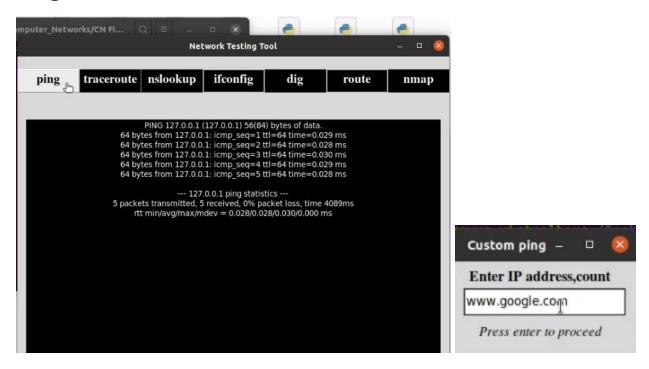
```
F.menu.add checkbutton (label="custom",command = digcustom)
  F.place(relx=0.572, rely=0.04, relwidth=0.143, relheight=0.075,)
  G = tk.Button(top, text ="route", fg = "white", bg="black",font=('times',
16, 'bold'),command = routebox, cursor="hand2")
  G.place(relx=0.715, rely=0.04, relwidth=0.143, relheight=0.075,)
  def nmapcustom():
    top1 = tk.Tk()
    top1.title("Custom nmap")
    canvas1 = tk.Canvas(top1, height=100, width=200)
    canvas1.pack()
    L = Label(top1, text = "Enter IP address", font = ('times', 12, 'bold'))
    L.place(x=5, y=0.2, width= 180, height=40)
    text input = Entry(top1, width=30)
    text input.bind("<Return>", lambda i :
getdata(text input,top1,nmapbox))
    text_input.place(x=10, y=30,width=180, height=30)
    S = Label(top1, text = "Press enter to proceed", font = ('times',
11, 'italic'))
    S.place(x=5, y=60, width= 180, height=40)
    top1.mainloop()
  H= Menubutton (top, text="nmap", relief=RAISED, fg = "white",
bg="black",font=('times', 16, 'bold'), cursor="hand2")
  H.menu = Menu (H, tearoff = 0)
  H["menu"] = H.menu
  H.menu.add checkbutton (label="server",command = nmapbox)
  H.menu.add checkbutton (label="custom",command = nmapcustom)
  H.place(relx=0.858, rely=0.04, relwidth=0.143, relheight=0.075,)
  top.mainloop()
  s.close()
if name == ' main ':
  Main()
```

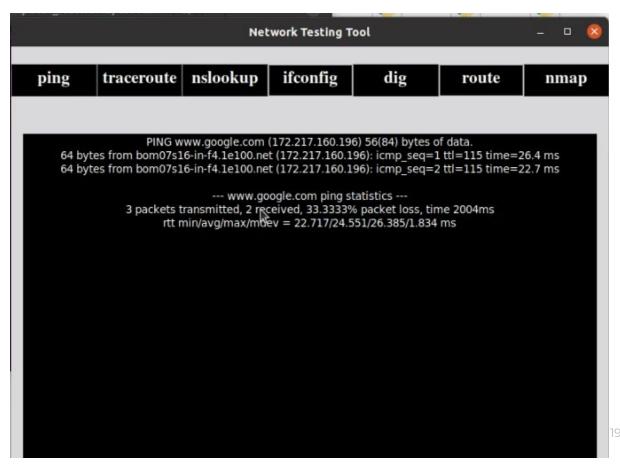
OUTPUT:

LOOPBACK IP:

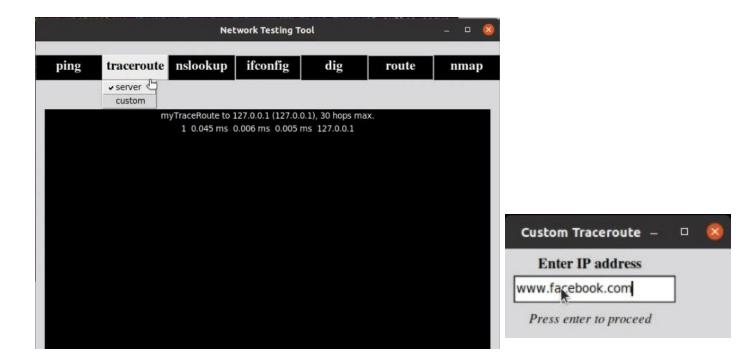
CLIENT:

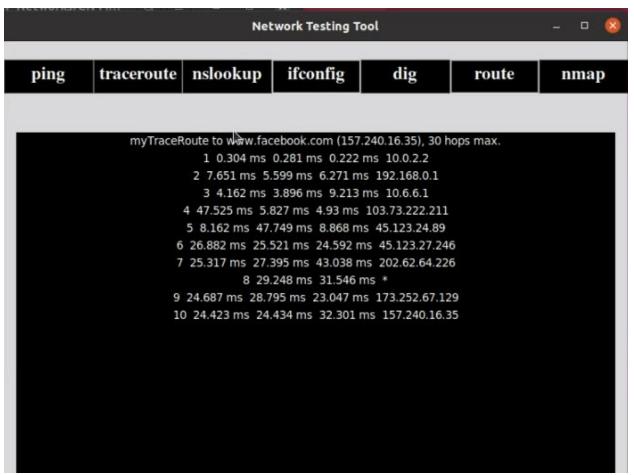
Ping:





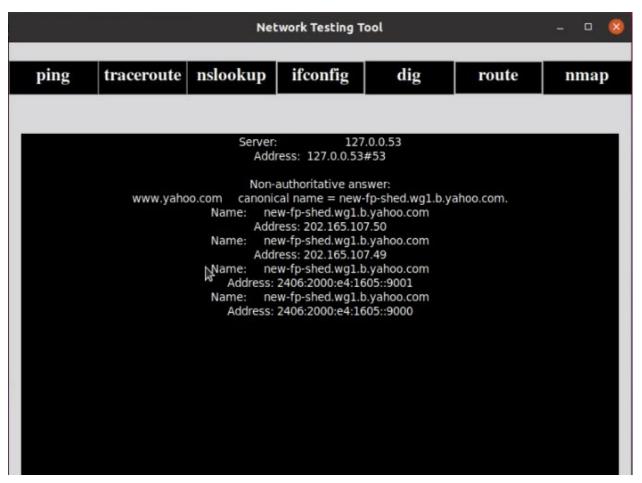
Traceroute:



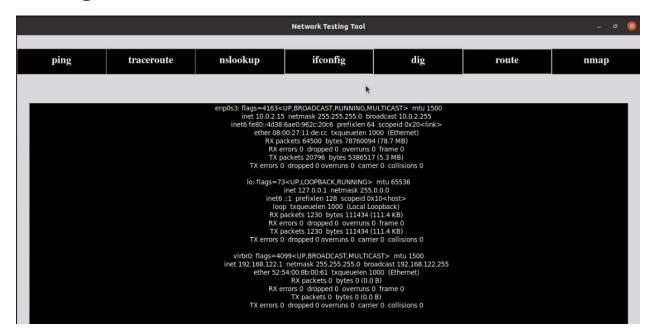


nslookup:

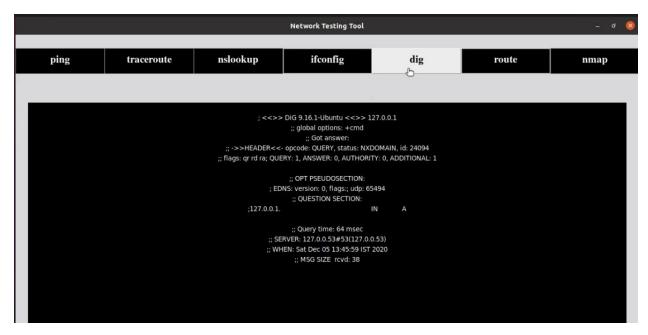




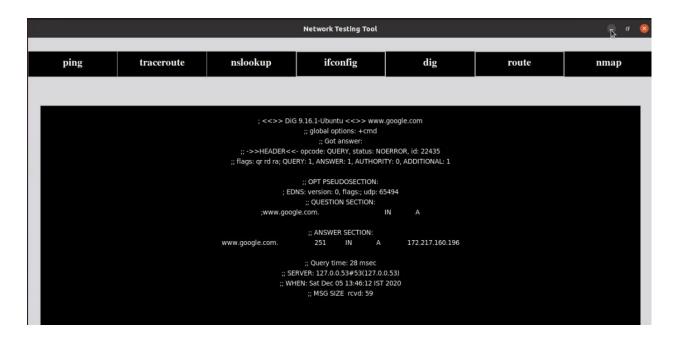
ifconfig:



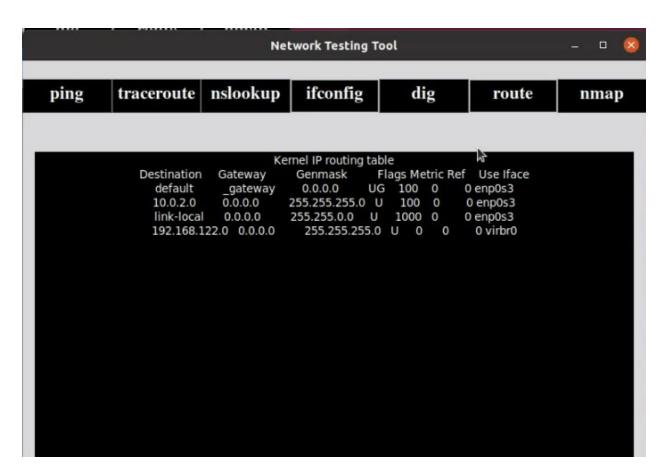
dig:



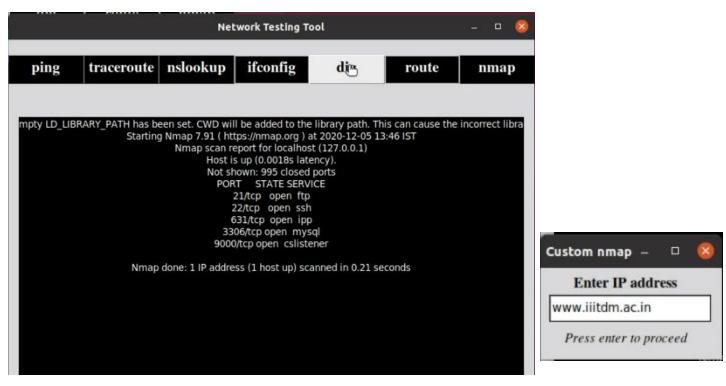


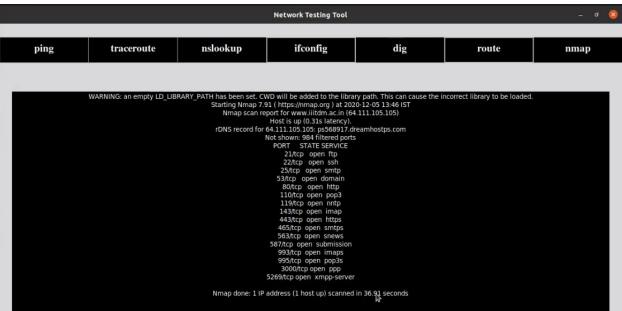


route:

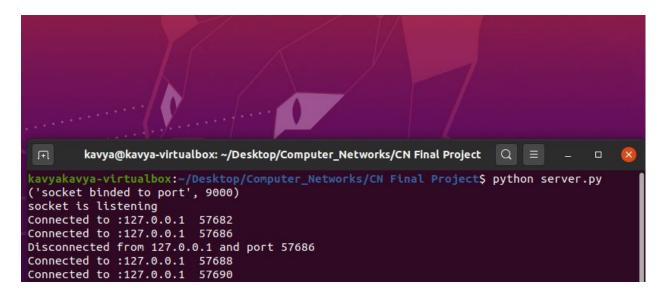


Nmap:

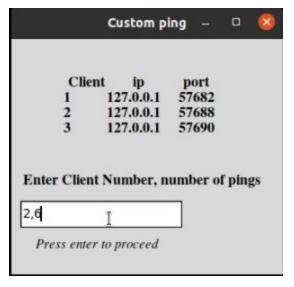




SERVER:

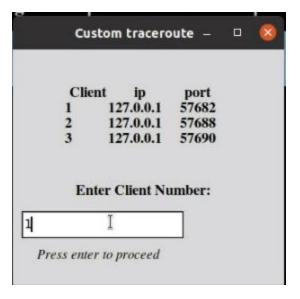


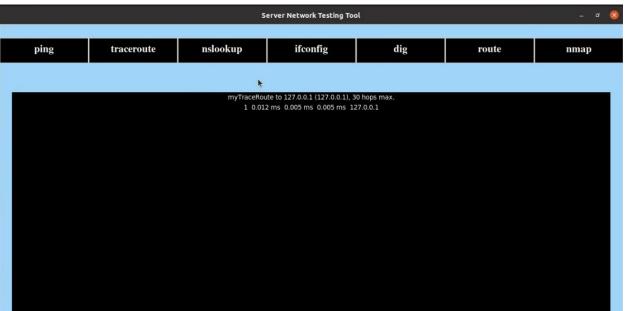
ping:





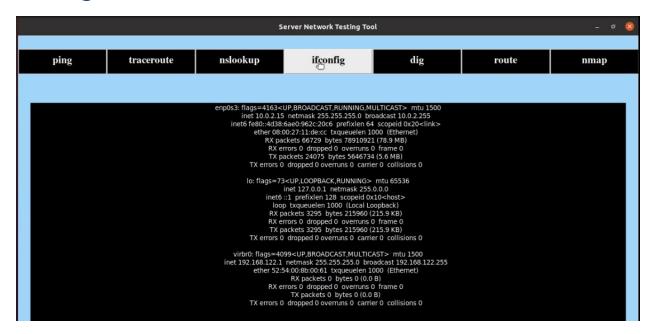
traceroute:



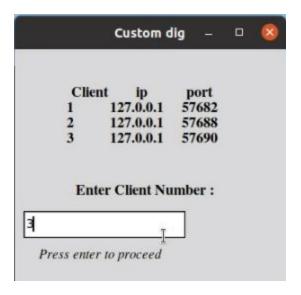


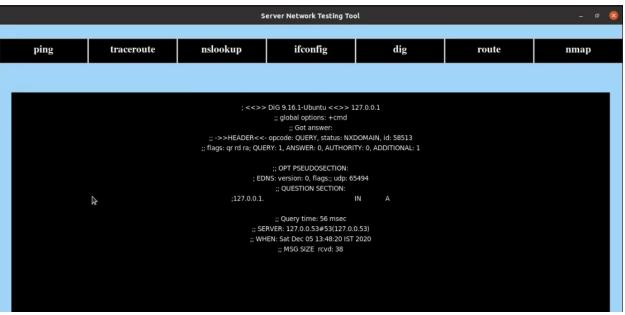
nslookup:

ifconfig:

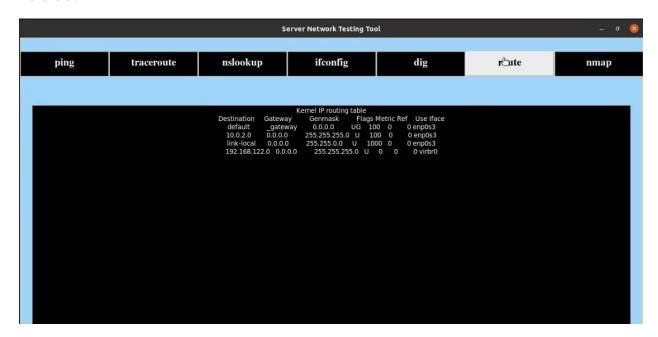


dig:

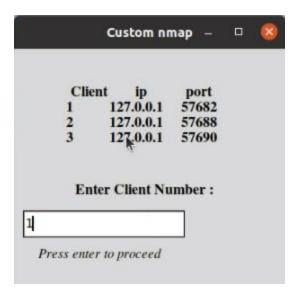


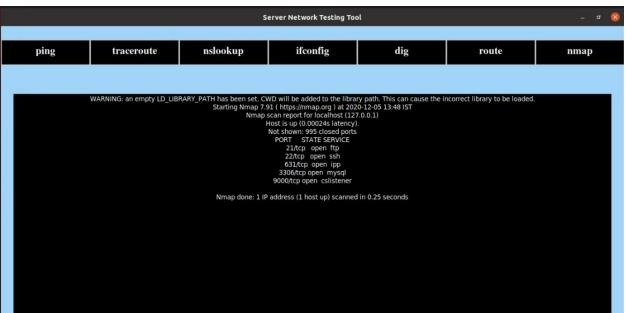


route:



nmap:





PUBLIC HOSTING:

SERVER:

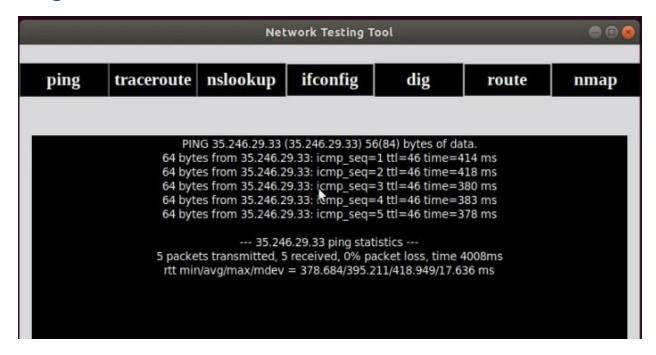
```
sanjanadara1701@instance-1: ~- Google Chrome

ssh.cloud.google.com/projects/seraphic-plexus-289709/zones/europe-west2-a/instances/instance-1?useAdminProxy=true&authuser=0&hl=en_US&projectNumber=190327004916

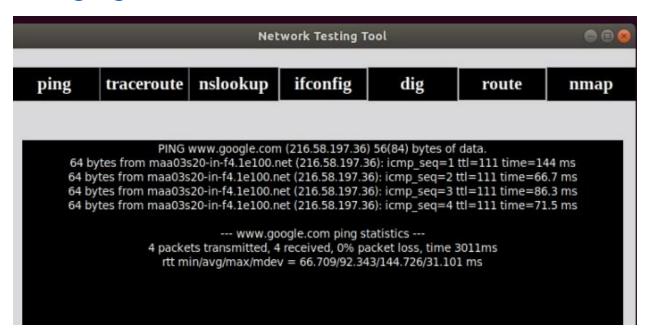
sanjanadara1701@instance-1: ~$ python server.py
('socket binded to port', 9000)
socket is listening
Connected to :157. 48.207.203 50370
Connected to :106.208.49.99 4334
Connected to :103.73.222.213 55339
Connected to :117.209.171.84 60031
Connected to :117.209.171.84 60031
Connected to :103.73.222.213 and port 55339
Disconnected from 103.73.222.213 and port 55370
Disconnected from 157.48.207.203 and port 550370
Disconnected from 177.209.171.84 and port 60031
Disconnected from 103.232.131.194 and port 33036
Connected to :103.73.222.213 55341
Disconnected from 106.208.49.99 and port 4334
```

CLIENT:

Ping:

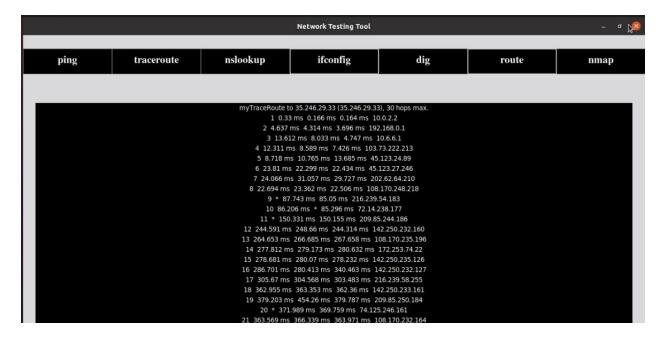


www.google.com

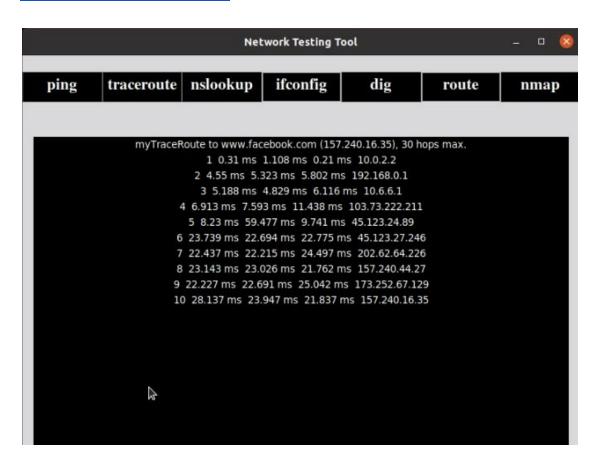


Traceroute:

server

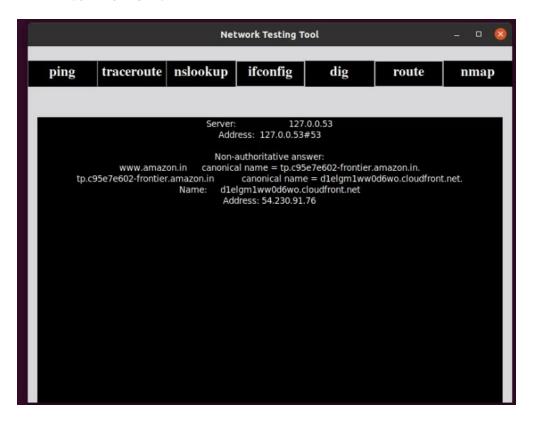


www.facebook.com

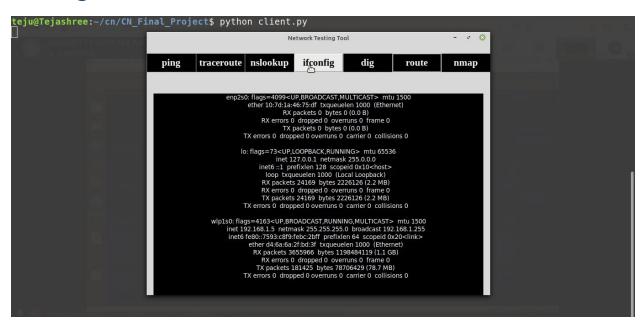


nslookup:

www.amazon.in

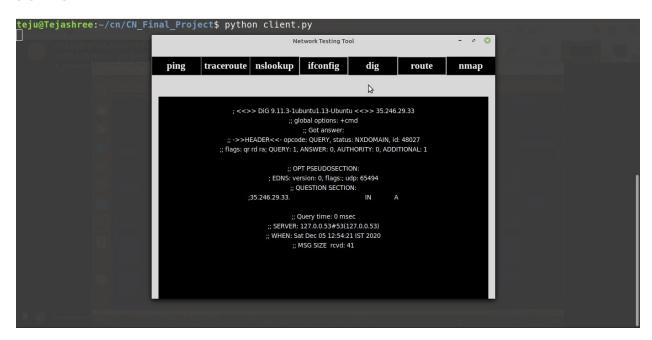


Ifconfig:



dig:

server



www.yahoo.com



route:



Nmap:

server

www.google.com

