

NVIS LINUX AGENT INSTALLATION

This describes how to install NVIS v7.08 for Linux 20.04 and ping a host in Paris. This shows multiple machines that can connect to each other over layer 2 encrypted in a shared group security context. You may then do whatever generators you wish to provide traffic to monitor between the NVIS IPs.

Given two computers, HOST1 connected to the Internet. I have pre-provisioned two addresses.

Address1: 0x54ef7d105246e3f3bb8b0b9e1177e41af2585102 (or your assigned address)

Here is the Linux tarball:

https://nvisnet.com/dist/nvis_linux_dist.tgz

8/3/2022

SETUP

Go to HOST1

Check Linux version

```
# lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.3 LTS
Release:        20.04
Codename:       focal
```

If it is 20.04 or later:

wget https://nvisnet.com/dist/nvis_linux_dist.tgz

INSTALLATION

On HOST1 , you will install NVIS, turn it on and check it's status. Note that after installation, you should have the installation folder in your path. In case not, I'll add commands to go to the installed folder

On HOST1

SSH to the host, cd to the folder with the installer, and issue:

```
# tar zxvPf ../nvis_linux_dist.tgz
/bin/nvis
/bin/edge
./README
#
nvis
wallet address : 0x54ef7d105246e3f3bb8b0b9e1177e41af2585102

# nvis -s
10.0.3.103
```

```
# nvis -v
Nvis for Linux Version 1.2
# nvis on
```

Make sure the status is eventually ON.

TESTS

TEST 1

Make sure hosts can ping itself.

```
ON HOST 1
ping <HOST1 IP>
```

TEST 2

Make sure hosts can see Paris. From either host

```
# ping 10.0.1.65
PING 10.0.1.65 (10.0.1.65) 56(84) bytes of data.
64 bytes from 10.0.1.65: icmp_seq=1 ttl=64 time=325 ms
64 bytes from 10.0.1.65: icmp_seq=2 ttl=64 time=133 ms
64 bytes from 10.0.1.65: icmp_seq=3 ttl=64 time=133 ms
^C
--- 10.0.1.65 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms rtt
min/avg/max/mdev = 133.207/197.316/325.436/90.594 ms
```

TEST 3

Check that you can't ping after turning nvis off

```
# nvis off
```

```
# ping 10.0.1.65
```

```
PING 10.0.1.65 (10.0.1.65) 56(84) bytes of data.
```

```
^C
```

```
--- 10.0.1.65 ping statistics ---
```

```
146 packets transmitted, 0 received, 100% packet loss, time 148469ms
```