**How to use the script**

1. **Install python in your machine**. (latest 3.x preferred)

Windows: - <https://www.digitalocean.com/community/tutorials/install-python-windows-10>

Linux: - <https://www.scaler.com/topics/python/install-python-on-linux/>

Feel free to use any online resource to complete this step.

1. **Install the required libraries in the python environment that was setup in Step 1**.

Steps: <https://packaging.python.org/en/latest/tutorials/installing-packages/>

## Follow “[Installing from PyPI](https://packaging.python.org/en/latest/tutorials/installing-packages/#id18)” option. This is the simplest one.

## Libraries/projects to install are

sys  
time  
csv  
requests

## Make sure that you have the below pre-requestee in place.

## vRNI IP address

## vRNI local username

## vRNI password

## CSV file which holds the subnet to VLAN mapping ( placed in same directory as script )

## A screen shot of a computer Description automatically generated

## Setup the python script & execute

## Download/Clone the Script code from the GitHub repository.

## [Script\_Code](https://github.com/sanjeev5645/vRNI.git)

**TRIAL RUN ( On a Ubuntu machine )**

\*\*\*\*\*\*\*\*\*\*

**Create a dedicated directory for the script to execute and clone the project from github**

*ankita@ankita:~$*

*ankita@ankita:~$ mkdir subnet\_script*

*ankita@ankita:~$*

*ankita@ankita:~$*

*ankita@ankita:~$ cd subnet\_script/*

*ankita@ankita:~/subnet\_script$ ls*

*ankita@ankita:~/subnet\_script$ git clone https://github.com/sanjeev5645/vRNI.git*

*Cloning into 'vRNI'...*

*remote: Enumerating objects: 7, done.*

*remote: Counting objects: 100% (7/7), done.*

*remote: Compressing objects: 100% (5/5), done.*

*remote: Total 7 (delta 0), reused 0 (delta 0), pack-reused 0*

*Unpacking objects: 100% (7/7), 3.04 KiB | 1.01 MiB/s, done.*

*ankita@ankita:~/subnet\_script$ ls*

*vRNI*

*ankita@ankita:~/subnet\_script$*

**Provide Exec permission in the system**

*ankita@ankita:~/subnet\_script$ cd vRNI/*

*ankita@ankita:~/subnet\_script/vRNI$ ls*

*README.md subnet\_add.py subnet.csv*

*ankita@ankita:~/subnet\_script/vRNI$*

*ankita@ankita:~/subnet\_script/vRNI$ ls -l*

*total 16*

*-rw-rw-r-- 1 ankita ankita 6 Oct 8 02:37 README.md*

*-rw-rw-r-- 1 ankita ankita 5317 Oct 8 02:37 subnet\_add.py*

*-rw-rw-r-- 1 ankita ankita 324 Oct 8 02:37 subnet.csv*

*ankita@ankita:~/subnet\_script/vRNI$ chmod 744 \**

*ankita@ankita:~/subnet\_script/vRNI$ ls -l*

*total 16*

*-rwxr--r-- 1 ankita ankita 6 Oct 8 02:37 README.md*

*-rwxr--r-- 1 ankita ankita 5317 Oct 8 02:37 subnet\_add.py*

*-rwxr--r-- 1 ankita ankita 324 Oct 8 02:37 subnet.csv*

*ankita@ankita:~/subnet\_script/vRNI$*

**Actual Script Execution**

**Subnet Creation Option Used**

*ankita@ankita:~/subnet\_script/vRNI$ python3 subnet\_add.py*

*Input the Ip address of vRNI.*

*10.79.197.111*

*Input the local username to used.*

*admin@local*

*Input the password to be used..*

*admin*

*Select 2 for Subnet Creation and Select 1 Subnet Deletion.*

*2*

*This script adds Subnet Info to Network Insight from a csv file. Make sure to place the csv file and the script in the same directory.*

*Creating New token.*

*###########################################*

*Active token is : bd5OVr/VACDKkMsplC3kIw==*

*Current Token is active for : 299.9993267496745 minutes*

*###########################################*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.10.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*30.30.30.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*20.20.1.1/17 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.20.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.30.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.40.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.50.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*30.30.60.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*20.20.10.1/17 subnet was added with status 500*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.70.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.80.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.90.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.110.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*30.30.40.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*20.20.40.1/17 subnet was added with status 500*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.120.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.130.0/24 subnet was added with status 201*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET CREATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*10.10.140.0/24 subnet was added with status 201*

*ankita@ankita:~/subnet\_script/vRNI$*

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**Subnet Deletion Option used**

*ankita@ankita:~/subnet\_script/vRNI$ ls*

*README.md subnet\_add.py subnet.csv*

*ankita@ankita:~/subnet\_script/vRNI$ python3 subnet\_add.py*

*Input the Ip address of vRNI.*

*10.79.197.111*

*Input the local username to used.*

*admin@local*

*Input the password to be used..*

*admin*

*Select 2 for Subnet Creation and Select 1 Subnet Deletion.*

*1*

*You are going to delete all the subnet config in Network Insight. Confirm with input YES ( case sessitive )*

*YES*

*Creating New token.*

*###########################################*

*Active token is : LkvOpLjcrrCMW8EGgwde+Q==*

*Current Token is active for : 299.999092952474 minutes*

*###########################################*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SUBNET DELETION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.30.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.40.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 30.30.40.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.140.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.130.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 20.20.0.0/17 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.120.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.70.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.110.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.90.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 30.30.60.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.10.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.80.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 30.30.30.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.50.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*Subnet 10.10.20.0/24 got deleted with status 204*

*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*ankita@ankita:~/subnet\_script/vRNI$*

A screenshot of a computer

Description automatically generated

\*\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*\*\*\*\*\*