

## NetSim Graph Plot Utility

**Requirements:** Python 3.11 and later

**Project Download Link:**

### Introduction

The graph plot with edges and vertices is commonly referred to as a graph or a network. In this context, a graph is a collection of vertices (also known as nodes) connected by edges (also known as links or arcs).

1. **Graph-Plot.py:** Is a python GUI utility for plotting a graph plot for NetSim scenarios in the form of edges and vertices.

### Usage:

1. Download the python utility using Download Link
2. Extract the Zip Folder
3. Once the folder is extracted
4. Run the Python Utility, you will be loaded with Python Plot GUI Window to load the NetSim scenario configuration file (Ex. Configuration.netsim)

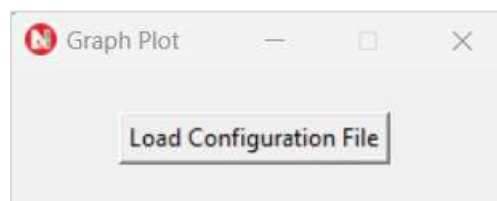
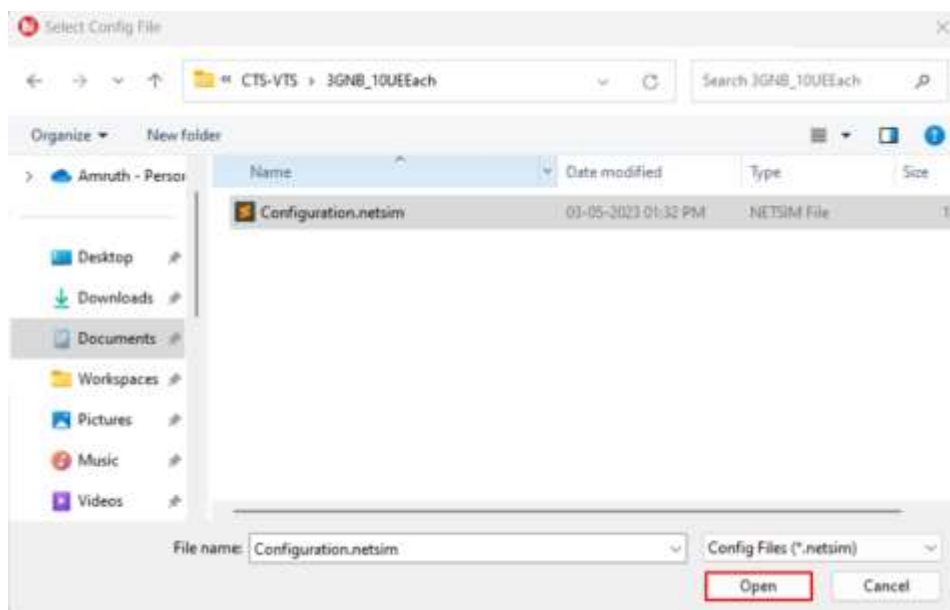


Fig 1: Python GUI to load the NetSim scenario configuration file as a input to graph plot utility

5. Browse the path configuration.netsim file is present. Click on Open



6. Now you can see that your Graph plot has been plotted for the configuration file we have selected.

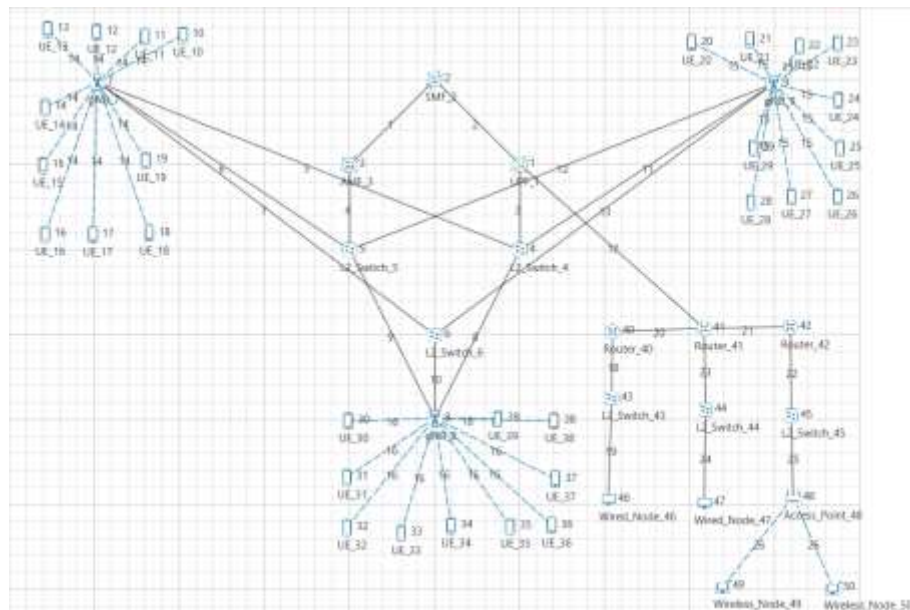


Fig 2: NetSim Scenario with 3 gNB and 10 UE each gNB.

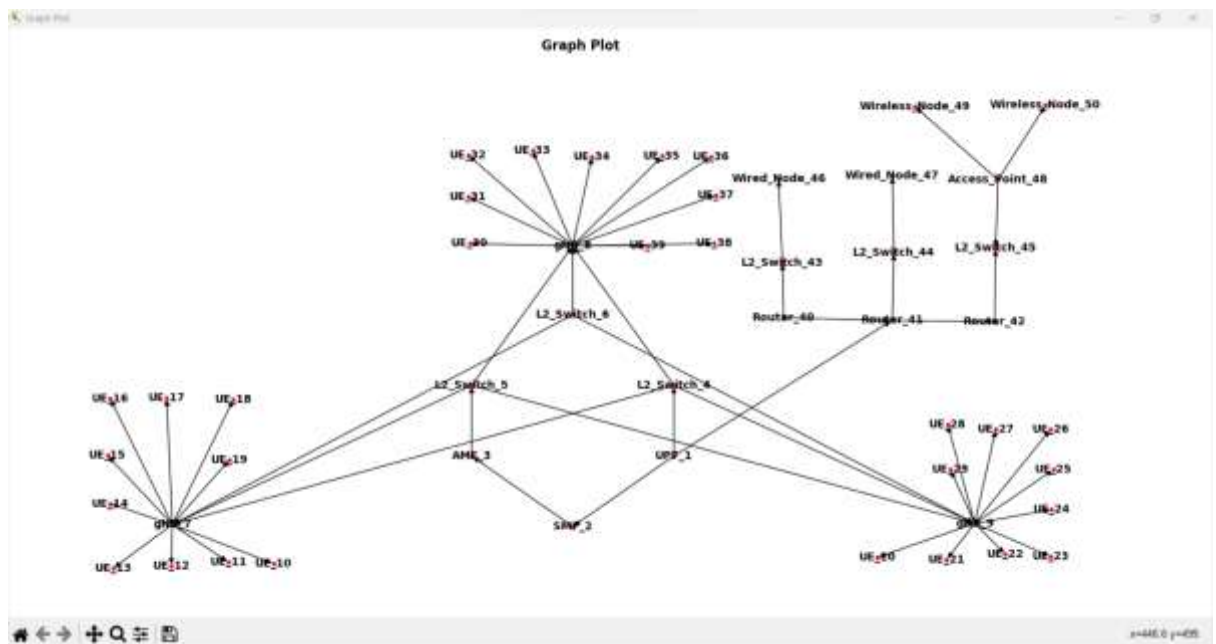


Fig 3: Example of graph plot scenario plotted for 3 gNB and 10 UE each gNB.

**Note:** We can observe that the scenario will be inverted in graph plot utility because in NetSim Scenarios will be created at positive quadrant of graph.