

NetworkX

[Home](#) [Tutorial](#) [Reference](#) [Quick_ref](#) [Examples](#) [Drawing](#) [Credits](#) [Legal](#)

About

NetworkX (NX) is a Python package for the creation, manipulation, and study of the structure, dynamics, and functions of complex networks.

Requirements

To use NetworkX you need

- Python version 2.3 or later <http://www.python.org/>

Optional useful packages:

- Numerical Python <http://numpy.sf.net/>
- PyGSL <http://pygsl.sourceforge.net/>
- IPython <http://ipython.scipy.org/>
- Matplotlib <http://matplotlib.sourceforge.net/>
- Pydot <http://www.dkbza.org/pydot.html>
- Graphviz <http://graphviz.org/>

Downloading

You can download NetworkX from <http://sourceforge.net/projects/networkx/>

Using

Just write in Python

```
>>> import NX
>>> G=NX.Graph()
>>> G.add_edge(1,2)
>>> G.add_node("spam")
>>> print G.nodes()
[1, 2, 'spam']
>>> print G.edges()
[(1, 2)]
```

See the [Tutorial](#), [Reference](#), [Quick_Ref](#), and [Examples](#).