

## NETWORK OBJECTS ADDING (COM)

### Short description

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Sample program code (various programming languages) to add Vissim network objects through the Vissim COM interface.

### Requirements

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- ▶ PTV Vissim Version 9.00-00 or higher
- ▶ PTV Vissim Module: COM Interface

For Python scripting to be available, the following software needs to be installed on your computer:

- ▶ PTV Vision Python (<https://cgi.ptvgroup.com/php/vision-setups/>) or a manual installation of Python including pyWin:
- ▶ Python 2.7 or Python 3.7 (<https://www.python.org/downloads/>)
- ▶ pyWin Build 218 or higher (<http://sourceforge.net/projects/pywin32/files/>)

The VBS (Visual Basic Script) example does not need any additional software installation.

### Objective

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With the program code files in this example a basic Vissim network is generated using the **Add** methods of the Vissim COM interface. In addition (but not included with this example) there are also **Remove** methods to remove network objects.

Starting from an empty Vissim network with default settings, you may run the script examples (\*.VBS and \*.PYS) from within PTV Vissim (menu **Scripts - Run Script File...**) or the other example (\*.PY) from a Python IDE.

The resulting network is not suitable for simulation. It only demonstrates the result of creating network objects of various types through COM. The network is neither complete nor are the locations of network objects necessarily correct.

All **Add** and **Remove** methods are described in the PTV Vissim COM help (PTV Vissim menu **Help - COM Help**). You can easily locate them by searching for **add\*** or **remove\***.