

Setup of NX Open Python environment for Eclipse

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1 Install Eclipse

The latest Eclipse installers can be found here:

<https://eclipse.org/downloads/>

Actual release is LUNA.

2 Install Python

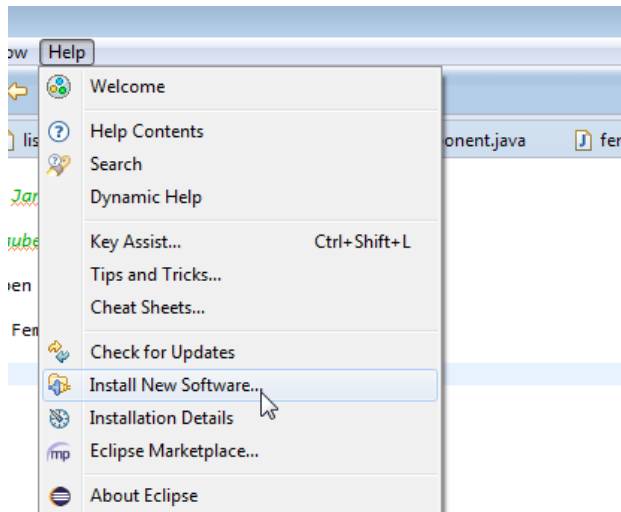
Install a Python Interpreter.

Use Python 3.3 for NXOpen programming.

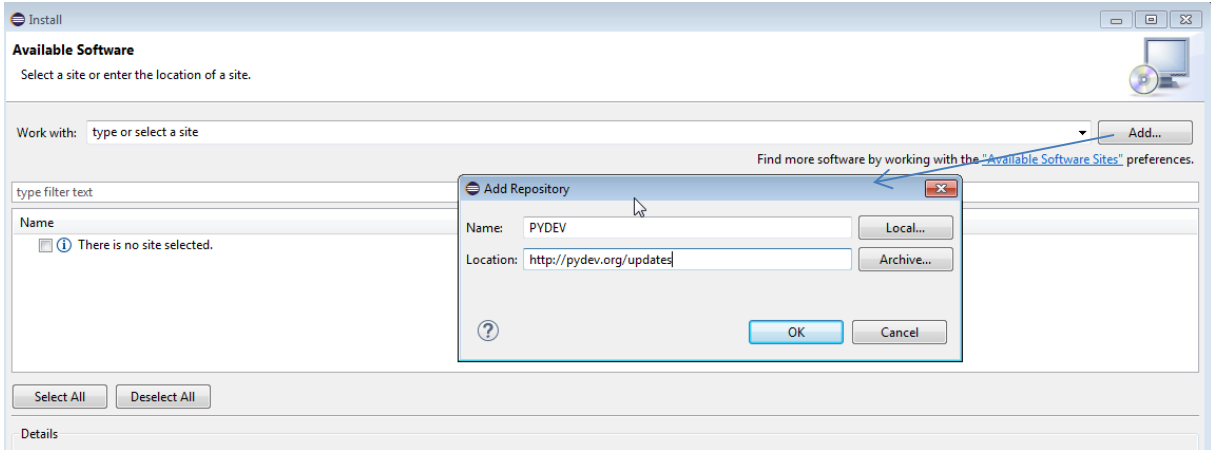
3 PyDev Add installation

The PyDev Module has to be installed for the Python Templates.

To Install Pydev, go to Help -> Install New Software

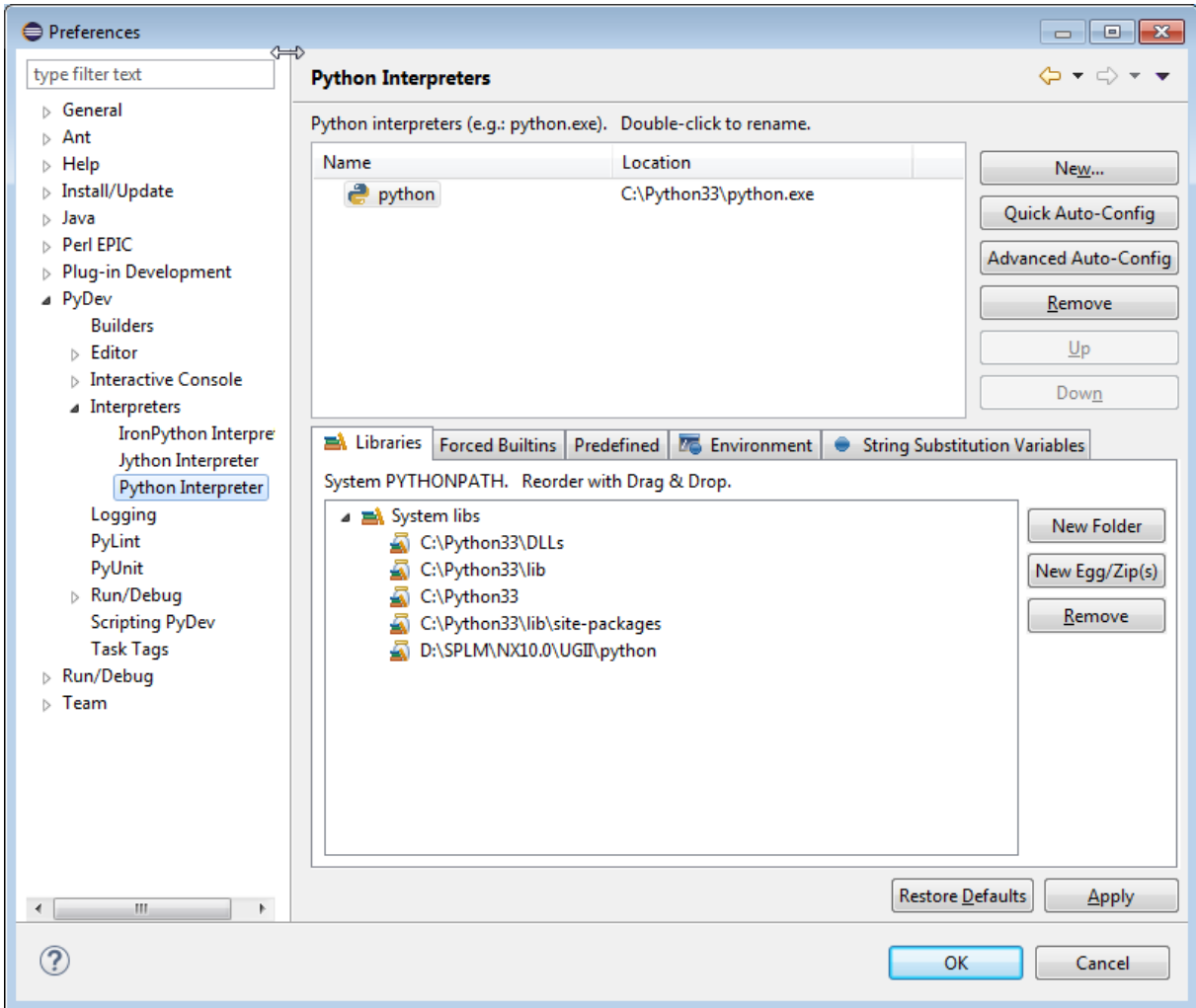


In the next Dialog add the Location <http://pydev.org/updates> and follow the installation instructions.



Check if the correct Python Interpreter is selected in Windows->Preferences
Python Interpreter

The Pythonpath is adapted during startup automatically by the script below.



4 Configure Eclipse for NX Open

The correct environment has to be set to be able to work with Autocompletion in the Environment.

The simplest way is to add a startup script for Eclipse. The following script could be used to setup the correct NX environment:

```
:: Set NX Variables
```

```
SET UGII_BASE_DIR=D:\SPLM\NX10.0
```

```
SET UGII_ROOT_DIR=D:\SPLM\NX10.0\UGII
```

```
set UGII_LIB_DIR=D:\SPLM\NX10.0\UGII\
```

```
set PATH=%UGII_ROOT_DIR%;%PATH%
```

```
:: Set the PYTHONPATH
```

```
set PYTHONPATH=D:\SPLM\NX10.0\UGII\python
```

```
:: Start Eclipse
```

```
D:\DEV\eclipse\eclipse.exe
```

Now Autocompletion is available for the NXOpen modules.

