Unscrambler
Version 11

How to Integrate Python Scripting with Anaconda

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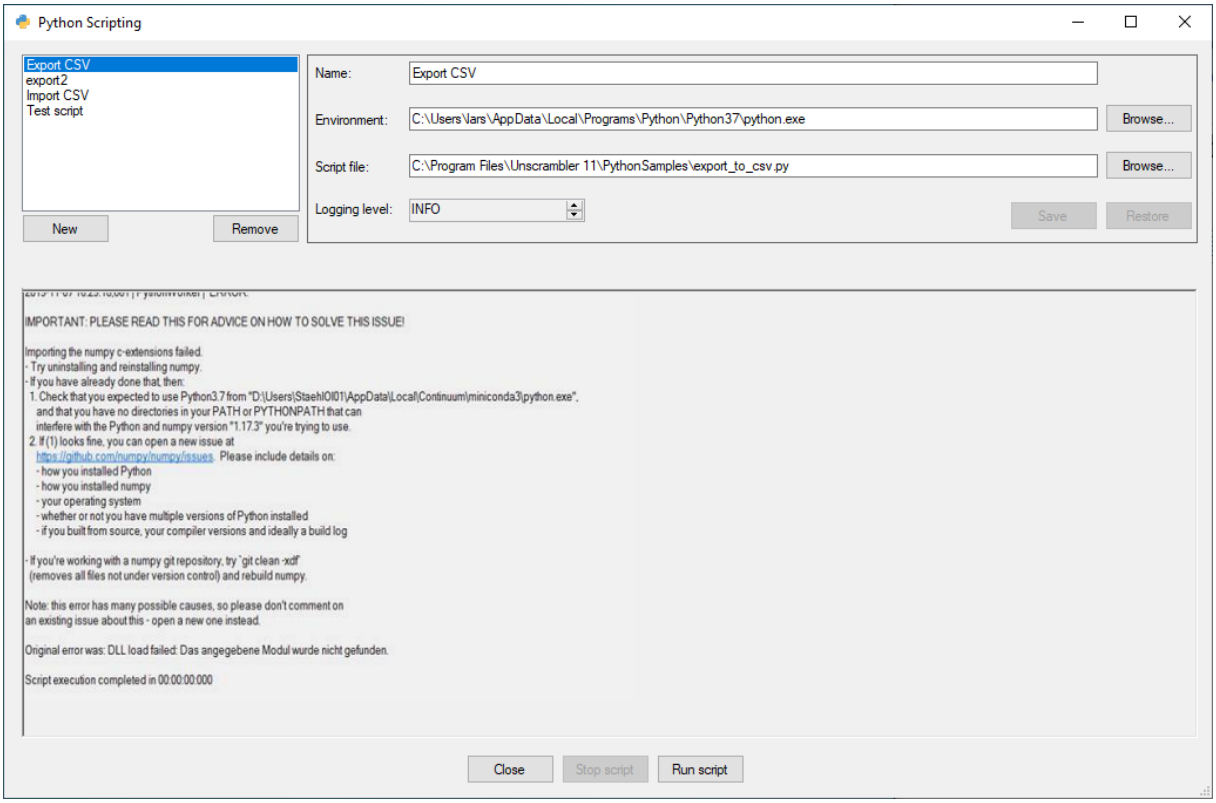
Scope

Running Python scripts from Unscrambler using an Anaconda Python environment may fail due to the special way Numpy and Pandas have been integrated with Anaconda. A warning like the one below may then be returned:



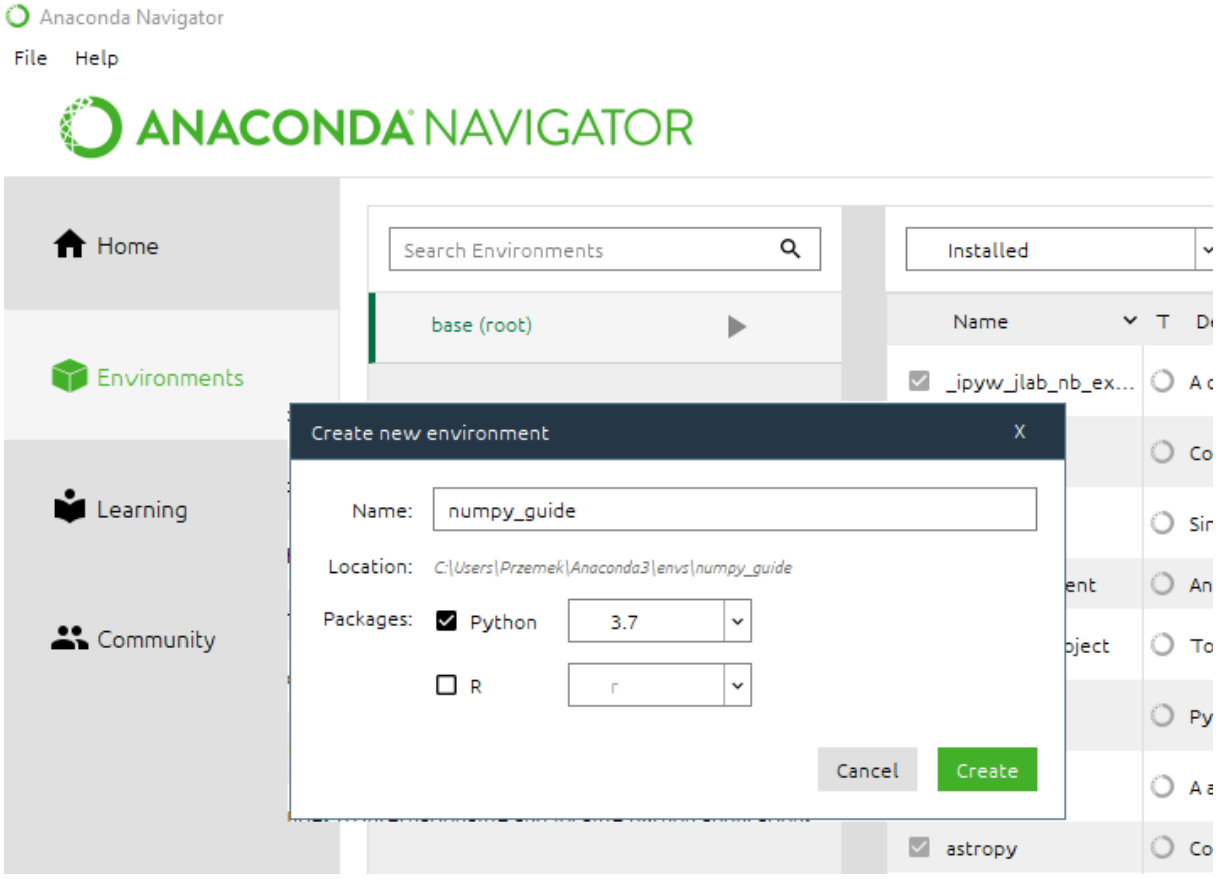
This guide describes the steps that must be taken to support running Python scripts from Unscrambler using the Anaconda Python distribution. It is oriented to people using Anaconda and will cover all specific aspects of integrating Unscrambler Python Scripting with it. There will be no coverage of installation of Unscrambler nor Anaconda itself. This guide assumes some minimum knowledge about Anaconda and Python scripting environments. The steps below are required only if you plan to use Anaconda environments with Numpy or Pandas libraries. All scripts without usage of those packages should work without additional configuring.

Prerequisites

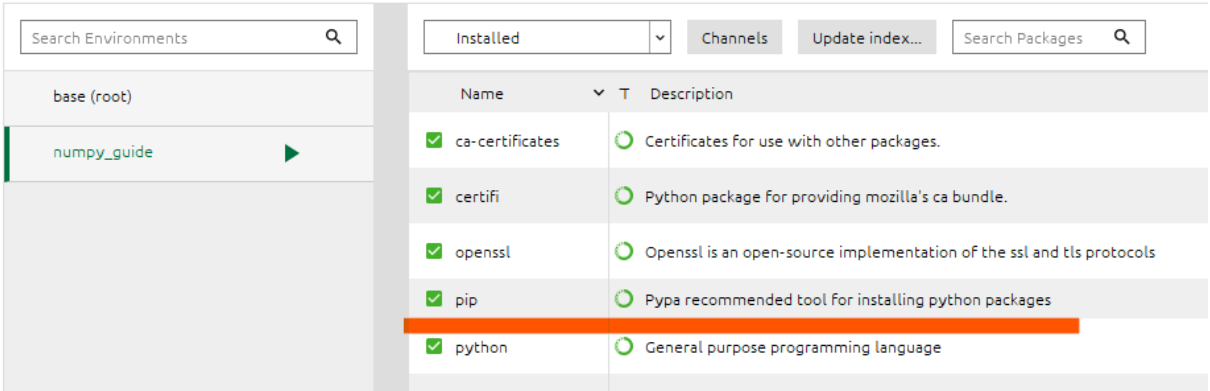
- Unscrambler 11 installed.
- Anaconda distribution with Python 3.7 support installed.
- Administrator permissions.

Configuration steps

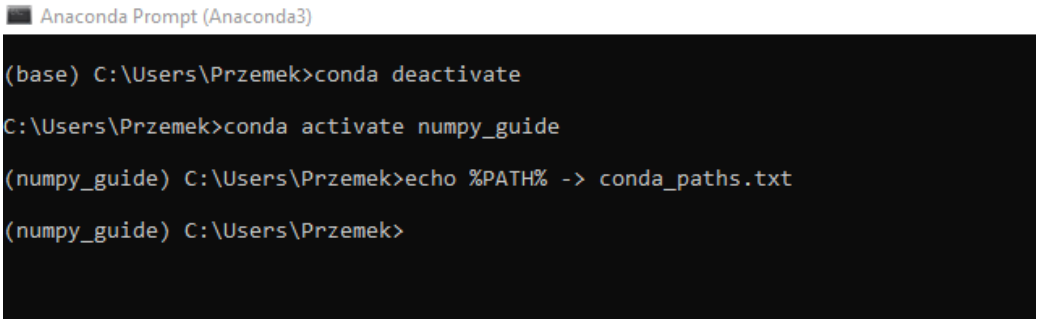
1. Create an Anaconda Environment without the Numpy package.



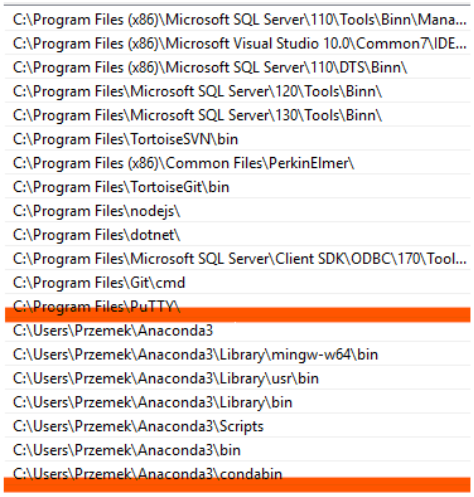
2. Ensure that PIP is installed within the new environment.



3. Open an Anaconda Prompt and switch to the newly created environment. Then extract the contents of the %PATH% variable from the environment. For convenience it is suggested to send the output to a file, e.g., conda_paths.txt.



4. Go to Windows system environment variables and add all entries related with Anaconda stored in conda_paths.txt to the PATH variable.



5. Re-open the Anaconda Prompt with Administrator privileges and activate your environment as before. Then install the Numpy and Pandas libraries by typing:

```
pip install numpy
pip install pandas
```

(These operations require an internet connection.)

6. Install the PyCamo library in the new environment by typing:

```
pip install <path_to_package>\PyCamo.tar.gz
```

7. Now you can use any Python scripts within Unscrambler, executed on the Anaconda environment. Note that Anaconda's environment is localized under C:\Users\%username%\Anaconda3\envs