

KECpkg

Once you have started to understand **Pykechain** and build your own scripts, the next step is how to add them to **KE-chain**. The easiest answer is through **kecpkg-tools**, a python package developed with the purpose of making the building and uploading of scripts easier and faster. Below, you will find a small tutorial on how to use **kecpkg-tools**. The tutorial is shown in Windows 10, however, we will be using the **Git Bash** command line, which is Linux-based. Not shown in this tutorial is the creation of a virtual environment called **venv_kecpkg**. Please be aware of the fact that you do require some basic knowledge of programming in order to follow this tutorial.

First you need to install **kecpkg-tools**. Activate your virtual environment and run the `pip install kecpkg-tools` command, as shown in the video below.

▼ Installing kecpkg-tools

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Afterwards, you need to run `kecpkg new` command. This will prompt you to give a new package name, set the python version you would like to use and choose a few other options. Once this is completed, you will have a new package ready to be filled in with a script.

▼ Creating new kecpkg

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You will see that the package has been created at the location you desired. Use the file `script.py` to write your script in. Once you are positive the script will run correctly, it is time to build and upload the package to KE-chain. First run the `kecpkg build` command. This will build the package based on the settings you provided in the previous step. Then, you can run `kecpkg upload`, which will prompt you to provide an url, authentication credentials and project (scope) id.

▼ Building and uploading kecpkg

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You can now go to the [project](#) where the kecpkg has been uploaded and you can now use it inside a [Script Widget](#).

Script 1	Type	Description	Version	Trused
Adding a saddle activity	Python script		1.0	Verified
Adding a saddle model	Python script		1.0	Verified
Calculate wheel circumference script	Python script		1.0	Verified
Add widget	Python script		1.0	Verified
kecpkg_tutorial	Python script	how to use it?	0.0.1	No
Notebook	Notebook		1	No

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