

Developers API

This manual will show how **scripts** that interact with the **KE-chain** API can be developed and also how they can be uploaded and used in your project. In this regard, the following two pages will help you grasp how a **script** works and interacts with your **project**.

Pykechain

Pykechain is a python library developed by **KE-works** with the sole purpose to interact with the KE-chain **data model**, **explorer**, **work breakdown** and the **scripts** environment. Basically, an experienced user in pykechain, can extract any information stored in any **project** and use it to build scripts that would ultimately produce the desired outputs. Furthermore, he can also automatically create or extend the data model, add part instances, activities and even configure and customize said activities. Below, you will find some video examples of simple **scri**pts ran in a **KE-chain** project, together with the code itself:

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.