“Advanced” Upload Utility

Quick Start

* Download the project from GitHub at <https://github.com/wagn0033/DUNE-HWDB-Python>to a location of your choosing. We will refer to this location as $PROJECT.
* If installed previously, remove the directory $HOME/.sisyphus
* Add the following to your environment variables. Add them to your .bashrc file or equivalent if you want them to be permanent. If installed previously, remove older references.
  + Add $PROJECT and $PROJECT/bin to your $PATH.
  + Add $PROJECT/lib to $PYTHONPATH.
* Ensure that the following have executable permissions:
  + Scripts starting with “hwdb-” in $PROJECT
  + Scripts ending with “.py” in $PROJECT/bin
  + In $PROJECT/test/HWDBUploader/SystemTest, the two python scripts starting with “generate\_excel”. (The docket files ending in “.py” do not need executable permissions.)
* Configure the utility:

hwdb-configure --dev --cert <your certificate> --password <your password>

* To see a list of institution codes:

hwdb-list-institutions

* To see a list of manufacturers:

hwdb-list-manufacturers

* Some test examples are located at $PROJECT/test/HWDBUploader/SystemTest
  + The test examples use component types named “biff” and “bongo” which are already entered into the development database. A “biff” is configured to contain two “bongo”s as subcomponents. Both types have simple specifications defined for them.
  + To create an Excel file where two “biff”s and four “bongo”s are specified and linked, and where these items have been bulk-added and are therefore referable by their External IDs, run generate\_excel\_pid.py.
  + To create an Excel file where these items are specified and linked, but NOT bulk-added, and are therefore only referable by serial number, run generate\_excel\_sn.py
  + To test analyzing (but not submitting) a docket:

hwdb-advanced-docket <docket file>

Use any of the four docket files in the directory. The JSON and Python versions of the docket file do the same things. The script will list what actions it will perform to upload the information specified in the docket, but it will NOT upload them.

* + To upload the information in the previous step:

hwdb-advanced-docket <docket file> --submit

The script will attempt to perform the actions specified previously. Note that you may skip directly to --submit without doing an analysis, but it is not recommended.