

SolidWorks API Project Manager: Server Manual

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I. File Location

The server files are located in the “Release/Server/” directory on the GitHub repository and in the “Final_Project_Files.zip” under the “Repo” directory. Unpack these files to a suitable location which will be referred to as “~” for this manual.

II. Using the VirtualEnv

The environment for the server is located in the “~/env” directory and under the right conditions this can just be activated by typing “source ~/env/bin/activate” on a Debian based machine. If this does not work then refer to the next step, if not then skip to step IV.

III. Using the requirements.txt

With python3.10 or higher and pip3 installed the needed packages can be installed by typing “pip3 install -r requirements.txt” in the root unpacked directory. This will install the needed packages.

IV. Server Settings

The server settings can be defined in the “~/user_defined.py” file. This contains fields for the data storage location, project database location, and the log directory.

V. Server Starting

TStart the “~/main.py” file using either the “python” command if using the VirtualEnv or the locally installed python version. No arguments are needed. If this is the first time the server has run with the supplied data and database directories the user will be prompted for creation of the database. After this make sure that port 8080 is open on the machine running and the server is now accessible by the application.