octocmd Documentation

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Contents

octocmd makes it easy to control your OctoPrint server from the command line. It understands how to process .scad files into .stl with OpenSCAD, and .stl files to make .gcode files with Cura.

Installation

Installation is easy with pip:

```
pip install https://github.com/vishnubob/octocmd/archive/master.zip
```

You can also install octocmd into a virtual environment:

```
virtualenv octocmd
. octocmd/bin/activate
pip install https://github.com/vishnubob/octocmd/archive/master.zip
```

Configuration

Before you can start using octocmd, you have to configure it first. It reads a config file called .octoprint.conf from your home directory. You can either create it by hand or you can have octocmd do it for you by running the **init** sub-command:

```
$ octocmd init
OctoPrint URL: http://octoprint/
OctoPrint API Key: MY_API_KEY
This configuration works, keep it? [Y/n]: y
Saving config file to '/home/linda/.octocmd.conf'
```

Status

You can get a status update from OctoPrint with the **status** sub-command:

```
$ octocmd status
state: Printing
    flags: operational=True, paused=False, printing=True, sdReady=True, error=False, ready=True, clos
temperature:
    bed: actual=58.4, target=60.0, offset=0
    tool0: actual=250.2, target=250.0, offset=0
sd: ready=True
```

Printing

You can print files with OctoPrint using the **print** sub-command.

```
$ octocmd print rabbit.gcode
[Tue May 20 22:05:51 2014 octocmd] uploading, selecting, printing rabbit.gcode on OctoPrint
```

If you try to print from a .scad file, or a .stl file, octocmd will automatically convert the file to a .gcode file before uploading it to the OctoPrint server:

```
$ octocmd print rabbit.scad
[Tue May 20 22:05:34 2014 octocmd] generating '/home/linda/rabbit/rabbit.stl' with OpenSCAD
[Tue May 20 22:05:46 2014 octocmd] generating '/home/linda/rabbit/rabbit.gcode' with Cura
[Tue May 20 22:05:51 2014 octocmd] uploading, selecting, printing rabbit.gcode on OctoPrint
```