

---

# **octocmd Documentation**

*Release 0.1*

**Giles Hall**

October 30, 2016



<b>1</b>	<b>Installation</b>	<b>3</b>
<b>2</b>	<b>Configuration</b>	<b>5</b>
<b>3</b>	<b>Status</b>	<b>7</b>
<b>4</b>	<b>Printing</b>	<b>9</b>



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, close
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
```