



Mycroft Core

Primary Module for the
Mycroft Artificial Intelligence Platform

Patrick TenHoopen



What is Mycroft Core?

Mycroft Core is GNU/Linux software that enables devices to become personal assistants. It uses text-to-speech and speech-to-text to interact with the user.



Hardware Requirements

- **PC or Raspberry Pi 3**
- **4 GB disk space**
- **Microphone**
- **Speakers**

Download



<https://github.com/MycroftAI/mycroft-core>

Dev or Master branch

The default branch is dev which should be considered a work in progress. The master branch is more stable.

Install



- **Unzip**
- **Change into directory**
- **Run host setup script (Arch/Fedora/Ubuntu/Debian) or install:**
 - git, python 2, python-setuptools, python-virtualenv, pygobject, virtualenvwrapper, libtool, libffi, openssl, autoconf, bison, swig, glib2.0, s3cmd, portaudio19, mpg123, flac, curl
- **Run dev_setup.sh**
- **Reboot or log out/in**

Service Control



- **Start** `./mycroft.sh start`
- **Restart** `./mycroft.sh restart`
- **Stop** `./mycroft.sh stop`

Screens



Mycroft starts several screens. List them with `screen --list`

`mycroft-cli--quiet`

`mycroft-voice`

`mycroft-skills`

`mycroft-service`



Viewing Screens

Attaching to a screen

```
screen -r <name>
```

Detaching from a screen

```
ctrl-a, ctrl-d
```




Registering/Pairing

You need to pair your Mycroft instance after install. If you try to interact with it, it will provide a 6 character code to enter into the Mycroft home website:

<https://home.mycroft.ai>

Interaction



"Hey Mycroft, what time is it?"

"Hey Mycroft, what is the weather?"

"Hey Mycroft, what is $3 * 5$?"

"Hey Mycroft, launch calculator"

"Hey Mycroft, open YouTube"

Skills



Skills are the abilities Mycroft has for interaction.

Built-In/Included Skills



- Alarm
- Audio Record
- Date Time
- Desktop Launcher
- IP
- Joke
- Media
- NPR News
- Personal
- Reminder
- Speak
- Singing
- Stock
- Weather
- Wiki
- Wolfram Alpha

Community Skills



List with status:

`https://github.com/MycroftAI/mycroft-skills#community-contributed-skill-list`

Github links:

`https://github.com/MycroftAI/mycroft-skills`



Installing New Skills

- 1. Open terminal**
- 2. Change into skills directory**
`cd /opt/mycroft/skills`
- 3. Clone skill repo**
`git clone https://github.com/<skill_link>`

Developing Skills



<https://docs.mycroft.ai/skill.creation>