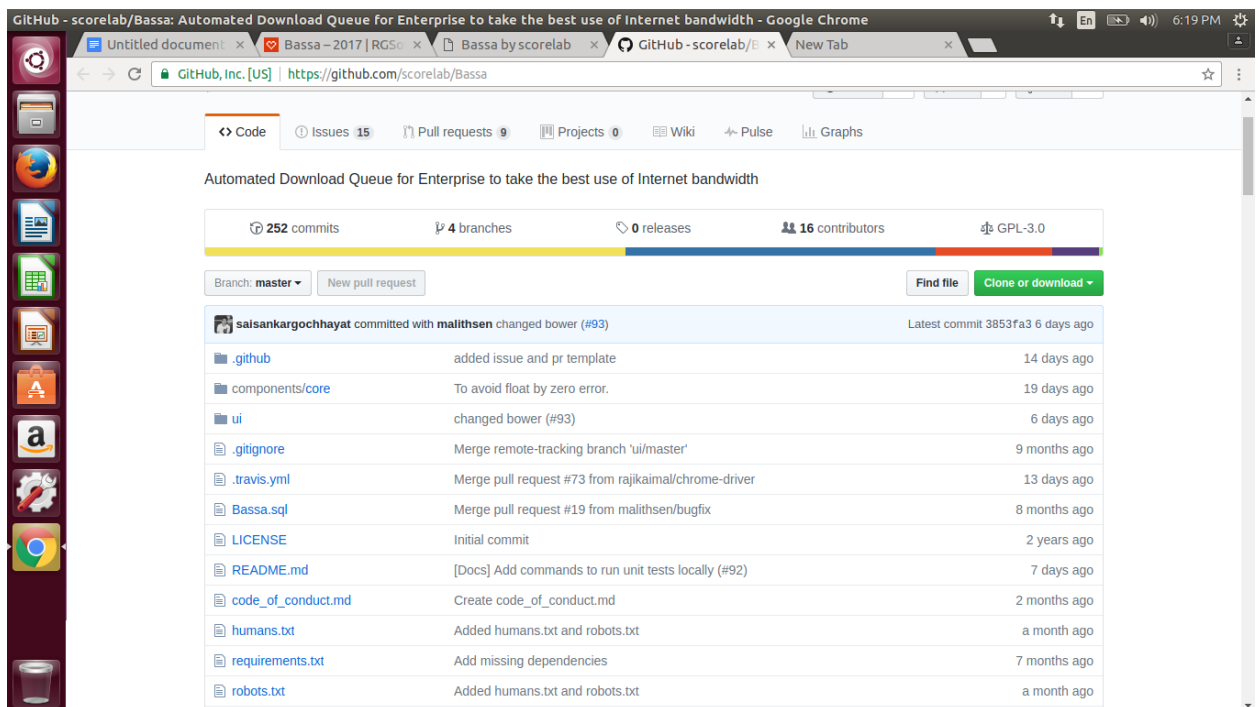
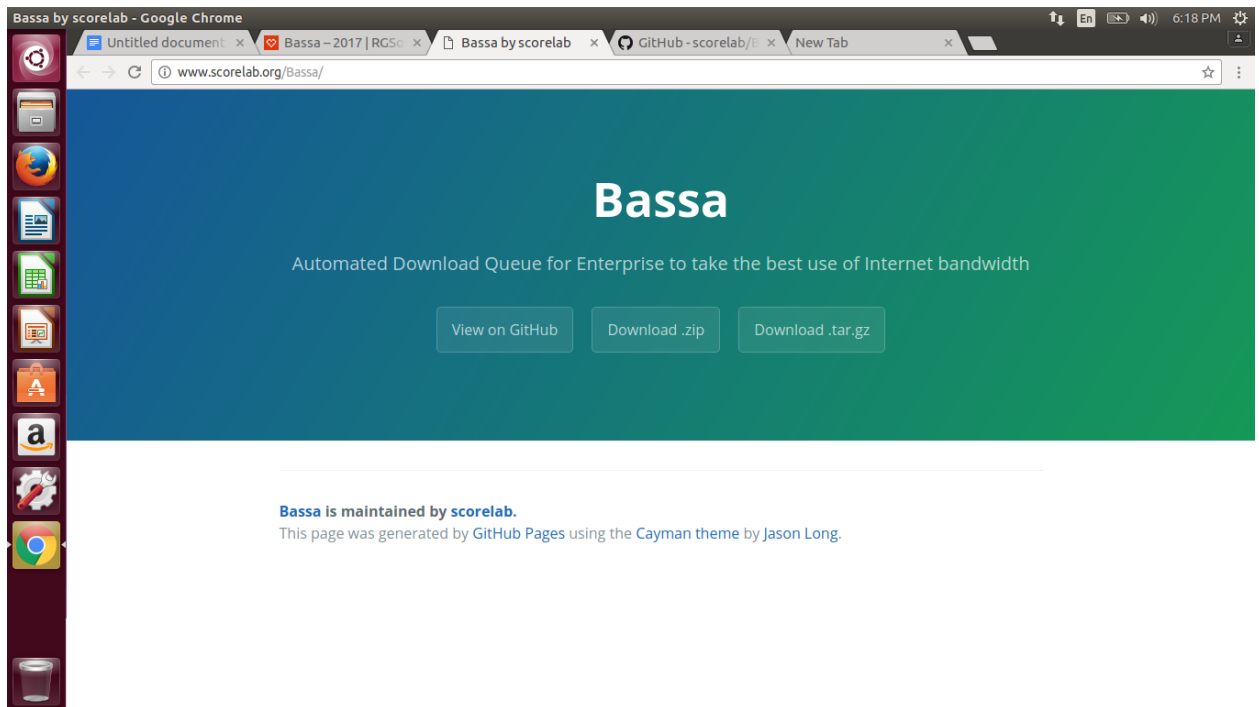


# How to Install Bassa on Ubuntu

(A step by step procedure)

1. First of all if you need to install Bassa goto the git repository of [bassa](#) and clone it into your pc or you can directly go the [bassa website](#) and download the .zip file or .tar.gz file.



2. After the successful download and extraction from the files go to terminal and change your directory to the directory containing extracted files of bassa.
3. After that run `./setup.sh`

```
aishwarya@aishwarya-VirtualBox: ~/Desktop/scorelab-Bassa-3853fa3
aishwarya@aishwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3$ ./setup.sh
Installing pip
[sudo] password for aishwarya:
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3-pip is already the newest version (8.1.2-2ubuntu0.1).
0 upgraded, 0 newly installed, 0 to remove and 253 not upgraded.
pip installed
Installing setuptools
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3-setuptools is already the newest version (26.1.1-1).
0 upgraded, 0 newly installed, 0 to remove and 253 not upgraded.
setuptools installed
Installing Aria2
Reading package lists... Done
Building dependency tree
Reading state information... Done
aria2 is already the newest version (1.25.0-1).
0 upgraded, 0 newly installed, 0 to remove and 253 not upgraded.
Aria2 installed
Installing mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version (5.7.17-0ubuntu0.16.10.1).
0 upgraded, 0 newly installed, 0 to remove and 253 not upgraded.
mysql-server installed
Installing libmysqlclient
Reading package lists... Done
Building dependency tree
Reading state information... Done
libmysqlclient-dev is already the newest version (5.7.17-0ubuntu0.16.10.1).
0 upgraded, 0 newly installed, 0 to remove and 253 not upgraded.
libmysqlclient installed
Installing node
## Installing the NodeSource Node.js v6.x repo...
## Populating apt-get cache...
```

4. Now run `sudo python3 setup.py develop`

```
aishwarya@aishwarya-VirtualBox: ~/Desktop/scorelab-Bassa-3853fa3/ui
aishwarya@aishwarya-VirtualBox:~/Desktop$ cd scorelab-Bassa-3853fa3
aishwarya@aishwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ python3 Main.py
Traceback (most recent call last):
  File "Main.py", line 3, in <module>
    from REST import *
  File "/home/aishwarya/Desktop/scorelab-Bassa-3853fa3/components/core/REST.py", line 1, in <module>
    from flask import Flask
ImportError: No module named 'flask'
aishwarya@aishwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ sudo python3 setup.py develop
[sudo] password for aishwarya:
running develop
writing egg-info
writing requirements to bassa.egg-info/requirements.txt
writing dependency links to bassa.egg-info/dependency_links.txt
writing bassa.egg-info/PKG-INFO
writing entry points to bassa.egg-info/entry_points.txt
reading manifest file 'bassa.egg-info/SOURCES.txt'
writing manifest file 'bassa.egg-info/SOURCES.txt'
running build_ext
Creating /usr/local/lib/python3.5/dist-packages/bassa.egg-link (link to .)
Adding bassa 0.0.1 to easy-install.pth file
Installing bassa script to /usr/local/bin
Installed /home/aishwarya/Desktop/scorelab-Bassa-3853fa3/components/core
Processing dependencies for bassa==0.0.1
Searching for SQLAlchemy==1.0.13
Reading https://pypi.python.org/simple/SQLAlchemy/
Downloading https://pypi.python.org/packages/1d/e2/3df2e0e8cd3cf7e6e2905f1a3d44f1ba51c4fceab0968cc0cb3dcefc53a/SQLAlchemy-1.0.13.tar.gz#md5=c
ef0c4aa0e2464a6f903a9cac9b280d8
Best match: SQLAlchemy 1.0.13
Processing SQLAlchemy-1.0.13.tar.gz
Writing /tmp/easy_install-lkjk7o2/SQLAlchemy-1.0.13/setup.cfg
Running SQLAlchemy-1.0.13/setup.py -q bdist_egg --dist-dir /tmp/easy_install-lkjk7o2/SQLAlchemy-1.0.13/egg-dist-tmp-uez00tx7
warning: no files found matching '*.jpg' under directory 'doc'
warning: no files found matching '*.mako' under directory 'doc'
```

5. Now to test the servers run python3 Main.py (Make sure that you are running it on python3 as earlier version would not work)

```
alshwarya@alshwarya-VirtualBox: ~/Desktop/scorelab-Bassa-3853fa3/ui
Extracting python-socketio-1.7.2-py3.5.egg to /usr/local/lib/python3.5/dist-packages
Adding python-socketio 1.7.2 to easy-install.pth file

Installed /usr/local/lib/python3.5/dist-packages/python_socketio-1.7.2-py3.5.egg
Searching for six==1.10.0
Best match: six 1.10.0
Adding six 1.10.0 to easy-install.pth file

Using /usr/lib/python3/dist-packages
Searching for MarkupSafe==0.23
Best match: MarkupSafe 0.23
Adding MarkupSafe 0.23 to easy-install.pth file

Using /usr/lib/python3/dist-packages
Searching for Jinja2==2.8
Best match: Jinja2 2.8
Adding Jinja2 2.8 to easy-install.pth file

Using /usr/lib/python3/dist-packages
Finished processing dependencies for bassa==0.0.1
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ python3 Main.py
Server initialized for gevent.
Please set all the values in email.conf
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ cd ..
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components$ cd ..
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3$ cd ui/
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/ui$ gulp serve
[17:30:33] Using gulpfile ~/Desktop/scorelab-Bassa-3853fa3/ui/gulpfile.js
[17:30:33] Starting 'styles'...
[17:30:36] gulp-inject 2 files into index.scss.
[17:30:36] Finished 'styles' after 3.41 s
[17:30:36] Starting 'inject'...
[17:30:37] gulp-inject 1 files into 404.html.
[17:30:37] gulp-inject 1 files into index.html.
[17:30:37] gulp-inject 34 files into 404.html.
[17:30:37] gulp-inject 34 files into index.html.
[17:30:38] Finished 'inject' after 1.33 s
[17:30:38] Starting 'watch'...
```

6. Now to install dependencies

```
$ cd ui/
```

```
$ npm install
```

7. To start

```
$ gulp serve
```

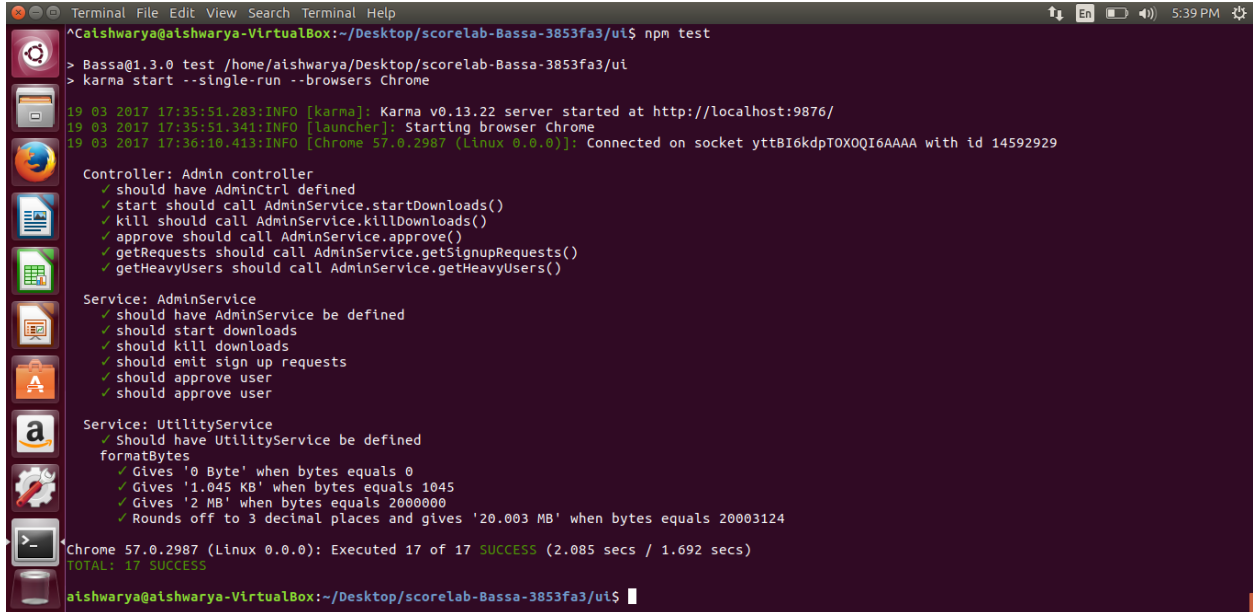
```
alshwarya@alshwarya-VirtualBox: ~/Desktop/scorelab-Bassa-3853fa3/ui
Using /usr/lib/python3/dist-packages
Searching for Jinja2==2.8
Best match: Jinja2 2.8
Adding Jinja2 2.8 to easy-install.pth file

Using /usr/lib/python3/dist-packages
Finished processing dependencies for bassa==0.0.1
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ python3 Main.py
Server initialized for gevent.
Please set all the values in email.conf
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components/core$ cd ..
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/components$ cd ..
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3$ cd ui/
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/ui$ gulp serve
[17:30:33] Using gulpfile ~/Desktop/scorelab-Bassa-3853fa3/ui/gulpfile.js
[17:30:33] Starting 'styles'...
[17:30:36] gulp-inject 2 files into index.scss.
[17:30:36] Finished 'styles' after 3.41 s
[17:30:36] Starting 'inject'...
[17:30:37] gulp-inject 1 files into 404.html.
[17:30:37] gulp-inject 1 files into index.html.
[17:30:37] gulp-inject 34 files into 404.html.
[17:30:37] gulp-inject 34 files into index.html.
[17:30:38] Finished 'inject' after 1.33 s
[17:30:38] Starting 'watch'...
[17:30:38] Finished 'watch' after 150 ms
[17:30:38] Starting 'serve'...
[17:30:41] Finished 'serve' after 3.59 s
[BS] Local URL: http://localhost:3000/
[BS] External URL: http://10.0.2.15:3000/
[BS] Serving files from: .tmp/serve
[BS] Serving files from: src
[BS] Watching files...
alshwarya@alshwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/ui$ npm install
> Bassa@1.3.0 install /home/alshwarya/Desktop/scorelab-Bassa-3853fa3/ui
> npm install
```

## 8. To run UI unit tests

```
$ cd ui/
```

```
$ npm test
```



```
Terminal File Edit View Search Terminal Help
^Caishwarya@aishwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/ui$ npm test

> Bassa@1.3.0 test /home/aishwarya/Desktop/scorelab-Bassa-3853fa3/ui
> karma start --single-run --browsers Chrome

19 03 2017 17:35:51.283:INFO [karma]: Karma v0.13.22 server started at http://localhost:9876/
19 03 2017 17:35:51.341:INFO [launcher]: Starting browser Chrome
19 03 2017 17:36:10.413:INFO [Chrome 57.0.2987 (Linux 0.0.0)]: Connected on socket yttBI6kdpTOXOQI6AAAA with id 14592929

Controller: Admin controller
  ✓ should have AdminCtrl defined
  ✓ start should call AdminService.startDownloads()
  ✓ kill should call AdminService.killDownloads()
  ✓ approve should call AdminService.approve()
  ✓ getRequests should call AdminService.getSignupRequests()
  ✓ getHeavyUsers should call AdminService.getHeavyUsers()

Service: AdminService
  ✓ should have AdminService be defined
  ✓ should start downloads
  ✓ should kill downloads
  ✓ should emit sign up requests
  ✓ should approve user
  ✓ should approve user

Service: UtilityService
  ✓ Should have UtilityService be defined
  formatBytes
    ✓ Gives '0 Byte' when bytes equals 0
    ✓ Gives '1.045 KB' when bytes equals 1045
    ✓ Gives '2 MB' when bytes equals 2000000
    ✓ Rounds off to 3 decimal places and gives '20.003 MB' when bytes equals 20003124

Chrome 57.0.2987 (Linux 0.0.0): Executed 17 of 17 SUCCESS (2.085 secs / 1.692 secs)
TOTAL: 17 SUCCESS

aishwarya@aishwarya-VirtualBox:~/Desktop/scorelab-Bassa-3853fa3/ui$
```