
City Struggle Bus

Release 1.0

Luke Crouch

Sep 27, 2017

Contents

1	Resources	3
2	Contents	5
2.1	Development	5
2.2	Deployment	7

When a city councilor is considering an issue, they need to know what other cities are doing about it, so they can make informed decisions.

city-struggle-bus is a custom search engine for local governance issues.

It combines:

- [Scrapy](#) for crawling
- [Django](#) for web interface
- [Elasticsearch](#) for indexing and searching

CHAPTER 1

Resources

Code <https://github.com/codefortulsa/city-struggle-bus>

Documentation <http://city-struggle-bus.readthedocs.org/>

Issues <https://github.com/codefortulsa/city-struggle-bus/issues>

IRC <irc://irc.mozilla.org/mds>

Servers <https://city-struggle-bus.herokuapp.com> (stage)

Development

Requirements

- python 2.7, virtualenv, & pip for app server
- elasticsearch

Install Locally

1. Clone and change to the directory:

```
git clone git@github.com:codefortulsa/city-struggle-bus.git
cd city-struggle-bus
```

2. Create and activate a virtual environment (Can also use virtualenvwrapper):

```
virtualenv env
source env/bin/activate
```

3. Install requirements:

```
pip install -r requirements.txt
```

4. Source the .env file to set environment config vars (Can also use autoenv):

```
source .env
```

5. **'Migrate'** DB tables

```
python manage.py migrate
```

6. Create a superuser:

```
python manage.py createsuperuser
```

Run it

1. Source the `.env` file to set environment config vars (Can also use `autoenv`):

```
source .env
```

2. Activate the [virtual environment](#) (Can also use `virtualenvwrapper`):

```
source env/bin/activate
```

3. Run it:

```
python manage.py runserver
```

Run the Tests

1. Install test requirements:

```
pip install -r requirements-test.txt
```

2. Running the test suite:

```
python manage.py test
```

Working on Docs

Install doc requirements:

```
pip install -r requirements-docs.txt
```

Building the docs is easy:

```
cd docs
sphinx-build . html
```

Read the beautiful docs:

```
open html/index.html
```

What to work on

We have [Issues](#).

Deployment

city-struggle-bus is designed with 12-factor app philosophy to run on heroku, so you can easily deploy your changes to your own heroku app with heroku toolbelt.

Deploy your own

1. Create a heroku remote. We suggest naming it `moz-dev-dash-username`:

```
heroku apps:create moz-dev-dash-username
```

2. Push code to the heroku remote:

```
git push heroku master
```

3. Migrate DB tables on heroku:

```
heroku run python manage.py migrate
```

4. Create a superuser on heroku:

```
heroku run python manage.py createsuperuser
```

5. Open the new heroku app:

```
heroku open
```