Eliza Documentation

Release 1.0.0

Jens Schaa

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As we write micro-services, we write micro-tools and as a consequence we end up with multiple small ones. Nevertheless we want to have a consistent look and feel, without bothering to write/provide the same functionality/resources.

This library is targeted specifically to developers who want to create lightweight web-based tools based on python and flask.

It provides core functions to Python Microservices so that the services itself can concentrate on its main function and become even smaller.

CHAPTER 1

Guide

1.1 Installation

This software can be installed in multiple ways. The ways that are recommended are as follows.

1.1.1 Obtaining the Source

This is a library targeted specifically to developers so you will most likely want to get your hands on the source. It can be obtained as follows.:

```
$ git clone https://github.com/redvox/Eliza
```

1.1.2 Installing from PyPi

After the release, it will be available from PyPi:

```
$ pip install eliza
```

1.1.3 Installing from Source

After cloning the source, just run:

```
$ python setup.py install
```

1.2 Config Loader

1.2.1 Example Usage

```
from eliza.config import ConfigLoader
self.config_loader = ConfigLoader(use_vault=False)
self.config = self.config_loader.load_config(path='resources/', environment=['default', 'develop'])
```

1.2.2 Load a config file

The config module can load config files in yaml format. Its possible to include vault secrets and environment variables as described below.

Config names can be passed as single name or as list of names. The file name pattern has to end with yaml.

Example: **<config_name>.yaml**

Every config in list will be loaded and merged to a single dictionary, where latter configs override previous ones.

1.2.3 Use Vault

If you want to include vault secrets, include **<%= VAULT['secret/path'] %>** as key in your yaml file.

```
filename: default
secret: <%= VAULT['secret/path'] %>
```

1.2.4 Use Environment Variables

If you want to include vault secrets, include **<%= ENV['variable_name'] %>** as key in your yaml file.

```
filename: default
test_env: <%= ENV['HOME'] %>
```

1.3 Code

1.4 How to contribute

Eliza is currently in active development and welcomes code improvements and bug fixes. For those of your interested, providing documentation to the lesser know parts would be equally awesome!

Pull down the source:

```
$ git clone git@github.com:redvox/Eliza.git
```

Note: All code contributions should have adequate tests. If you add something, please add a test to our test-suite.

To run the tests simply run the following command from the root directory:

```
$ ./run-tests.sh
```

1.4.1 Style

If you decide to contribute code please follow naming conventions and style guides the code currently complies too.

When in doubt, be safe, follow PEP-8.

1.4.2 Documentation

Contributing to documentation is as simple as editing the specified file in the *docs* directory of the source. We welcome all code improvements.

We use Sphinx for building our documentation. That can be obtained here.

Note: To view the docs as html, use the Makefile includes in the /docs directory. Simply run the following command:

```
$ ./docs/build.sh
```

1.4.3 Reporting Issues

This is most important of all, if there are issues please let us know. So we can improve Eliza. If you don't report it, we probably won't fix it.

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Version 2.0, January 2004

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CHAPTER 2

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