Okra Documentation

Release 1.6.0

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Okra 1.6.0 Released

Okra 1.6.0 is now available. For new features in Okra 1.6.0, see https://github.com/OkraScheduler/OkraSync/releases

Welcome to the Okra 1.6.0 Manual! **Okra** is an open-source MongoDB database migration tool.

Welcome to Okra's documentation!

The main documentation for the site is organized into a couple sections:

- *User Documentation*
- *Contributing*

1.1 Installation

To install Okra is simple:

1.1.1 Maven

```xml
<dependency>
    <groupId>com.github.OkraScheduler</groupId>
    <artifactId>OkraSync</artifactId>
    <version>x.y.z</version>
</dependency>

<repositories>
    <repository>
        <id>jitpack.io</id>
        <url>https://jitpack.io</url>
    </repository>
</repositories>
```

1.1.2 Gradle

```
dependencies {
    compile 'com.github.OkraScheduler:OkraSync:x.y.z'
}

repositories {
    maven {
        url 'https://jitpack.io'
    }
}
```

1.2 Basic Usage

1.2.1 Prerequisites

Okra requires Java 8+ and Mongo Java Driver

1.2.2 Usage

- Add Okra to your project as you can see in the *Installation* page.
- Create a class that will store your specific job attributes

```java
public class CheckJob extends DefaultOkraItem {

    private String someAttribute;

    //getters and setters

}
```

- Setup Okra with a MongoDB Driver

```java
public OkraSync<CheckJob> setupOkra(MongoClient mongo): {
    OkraSync<CheckJob> okra = new OkraSyncBuilder<CheckJob>()
            .withMongo(mongo)
            .withCollection("checkJob")
            .withDatabase(mongoDatabaseName)
            .withItemClass(CheckJob.class)
            .withExpiration(2, TimeUnit.MINUTES)
            .build();
    okra.setup();
    return okra;
}
```

- Schedule your job items

```java
public void schedule(CheckJob item) {

    okra.schedule(item);

}
```

- And start processing them. . .

```java
public void process() {

    CheckJob item = okra.peek();

    if (item.isPresent()) {
        // process
        okra.reschedule(item)
        // or okra.delete(item);
    }

}
```

Enjoy Okra! :)

1.3 Contributing

1.3.1 Issues

Report issues and suggest features and improvements on the GitHub issue tracker. You may also ask questions on the issue tracker.

If you want to file a bug, please provide all the necessary info listed in our issue reporting template (it's loaded automatically when you create a new GitHub issue).

1.3.2 Patches

Patches in any form are always welcome! GitHub pull requests are even better! :-)

Before submitting a patch or a pull request make sure all tests are passing and that your patch is in line with the contribution guidelines.