
Okra Documentation

Release 1.6.0

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User Documentation

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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

```
<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

```
public class CheckJob extends DefaultOkraItem {

    private String someAttribute;

    //getters and setters

}
```

- Setup Okra with a MongoDB Driver

```
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

```
public void schedule(CheckJob item) {

    okra.schedule(item);

}
```

- And start processing them...


```
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](#).