

Living Documentation

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Chapter 1. Introduction

DBUnit Rules aims for bringing **DBUnit** closer to your JUnit tests. Here are the main features:

- **JUnit rule** to integrate with DBUnit via annotations:

```
@Rule
public DBUnitRule dbUnitRule = DBUnitRule.instance(jdbcConnection);①

@Test
@DataSet(value = "datasets/yml/users.yml")
public void shouldSeedDataSet(){
    //database is seed with users.yml dataset
}
```

① The rule depends on a JDBC connection.

- CDI interceptor to seed database without rule instantiation;
- Json, Yaml, xml and flat xml support;
- Cucumber integration;
- JPA integration;
- Multiple database support;
- Date/time support in datasets;

The project is composed by 5 modules:

- **Core**: Contains the dataset executor login and JUnit rules;
- **CDI**: provides the DBUnit interceptor
- **Cucumber**: a CDI aware cucumber runner;
- **JPA**: Comes with a dataset executor based on JPA entity manager
- **Examples module**.

Chapter 2. Summary

Scenarios			Steps							Features: 1	
Passed	Failed	Total	Passed	Failed	Skipped	Pending	Undefined	Missing	Total	Duration	Status
Seeding database											
1	0	1	4	0	0	0	0	0	4	05s 686ms	passed
Totals											
1	0	1	4	0	0	0	0	0	4	05s 686ms	

Chapter 3. Features

3.1. Seeding database

3.1.1. Scenario: Seed database using dbunit CDI

DBUnit CDI integration is done through a [CDI interceptor](#).



CDI must be enabled in your test, see the following example:

```
@RunWith(CdiTestRunner.class) ①
public class DBUnitCDITest {

}
```

① [CdiTestRunner](#) is provided by [Apache Deltaspike](#) but you should be able to use other CDI test runners.

Given

DBUnit interceptor is enabled in your test beans.xml: 👍 (01s 767ms)

src/test/resources/META-INF/beans.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://java.sun.com/xml/ns/javaee"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/beans_1_0.xsd">
  <interceptors>

  <class>com.github.dbunit.rules.cdi.DBUnitInterceptor</class>
  </interceptors>
</beans>
```

And

The following dataset located at `src/test/resources/datasets/users.yml`: 🍌 (000ms)

```
user:
- id: 1
  name: "@realpestano"
- id: 2
  name: "@dbunit"
tweet:
- id: abcdef12345
  content: "dbunit rules!"
  user_id: 1
- id: abcdef12233
  content: "dbunit rules!"
  user_id: 2
- id: abcdef1343
  content: "CDI for the win!"
  user_id: 2
follower:
- id: 1
  user_id: 1
  follower_id: 2
```

When

The following test is executed: 🍌 (000ms)

```
Unresolved directive in documentation.adoc -
include:../../src/test/java/com/github/dbunit/rules/DBUnitCDITest.java
[tags=seedDatabase]
```

Then

The database should be seeded with the dataset content 🍌 (03s 918ms)