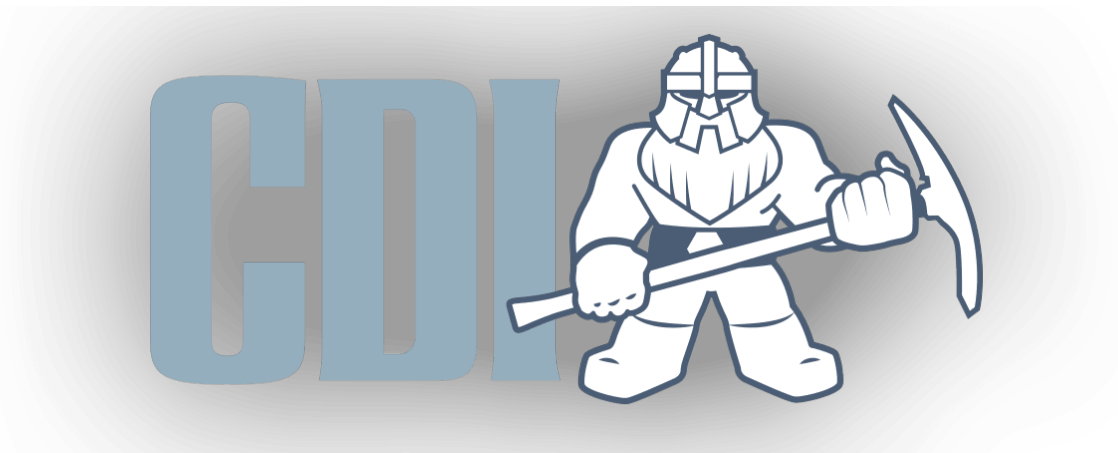


CDI 2.0 (JSR 365) TCK Process



CDI TCK overview

CDI TCK is a collection of tests (more than 2000) that a CDI implementation must pass.

It is Open Source under Apache License 2.0 and provide an extensible documentation to be used in container

Source code is available on github: <https://github.com/cdi-spec/cdi-tck>

Binaries are on Maven central: <https://search.maven.org/search?q=g:org.jboss.cdi.tck>

Or you can grab them here: <download.jboss.org/cdi/tck/>

Issue tracker is publicly available on our [JIRA](#)

CDI website provides basic info to run the TCK: <http://www.cdi-spec.org/cditck/>

But should you need going further documentation is available here:

https://docs.jboss.org/cdi/tck/reference/2.0.5.SP1/en-US/html_single/

Adding new challenges to TCK

As detailed in the documentation any implementor may propose a new challenge (new test). Challenges can be submitted by creating a new ticket in TC Jira. It is often a better approach to start a discussion on CDI EG mailing list first.

All the process is detailed here:

https://docs.jboss.org/cdi/tck/reference/2.0.5.SP1/en-US/html_single/#appeals-process

CDI TCK coverage

Since CDI implementation must also implement Interceptor spec, the TCK split CDI test suite and Interceptor test suite.

Nearly every assertion in the spec leads to one or more tests

Coverage reports are available [here for interceptor](#) and [there for CDI](#). They respectively cover 93.16% and 98.76% of the assertions.

Linking spec and TCK

CDI EG provides a version of the spec listing all assertions made in section at the beginning of it.

2.2. Bean types

☹ TCK assertions

a) A bean may have multiple bean types.

- [BeanDefinitionTest.testBeanTypes\(\)](#)
- [BeanDefinitionTest.testGenericBeanTypes\(\)](#)
- [BeanDefinitionTest.testRawBeanTypes\(\)](#)

l) All beans have the bean type java.lang.Object.

- [ProducerMethodDefinitionTest.testApiTypeForClassReturn\(\)](#)
- [BeanDefinitionTest.testBeanTypes\(\)](#)
- [BeanDefinitionTest.testGenericBeanTypes\(\)](#)
- [BeanDefinitionTest.testRawBeanTypes\(\)](#)

A bean type defines a client-visible type of the bean. A bean may have multiple bean types. For example, the following bean has four bean types:

```
public class BookShop
    extends Business
    implements Shop<Book> {
    ...
}
```

The bean types are BookShop, Business, Shop<Book> and Object.

This section links each asserting to the matching test source.

This [enhanced spec version](#) is available on <http://cdi-spec.org> website