

# ErrorReporting SPI for Jira

# Table of Contents

API & Implementation .....	2
How to configure/use .....	3
Classpath .....	3
Configuration Properties .....	3
Bootstrapping .....	3
Known issues.....	5
Dependencies .....	6

This module (`incode-module-errorrptjira-impl`) provides an implementation of Apache Isis' `ErrorReportingService` SPI. Whenever an error page is displayed to the user, the implementation will automatically log the details in JIRA and provide the ticket reference to the end-user.

# API & Implementation

This module provides `ErrorReportingServiceForJira` domain service as an implementation of the `ErrorReportingService`:

```
public interface ErrorReportingService {  
    Ticket reportError(final ErrorDetails errorDetails);  
}
```

where the returned `Ticket` determines what is shown on the error page for the end-user. In the case of this implementation:

```
public class Ticket implements Serializable {  
    private final String reference;           ①  
    private final String userMessage;        ②  
    private final String details;            ③  
    private final StackTracePolicy stackTracePolicy; ④  
    private final String kittenUrl;          ⑤  
    ...  
}
```

① the JIRA issue number, eg "SUP-1234"

② the main error message to display to the user. This defaults to:

*"Our apologies, an error has occurred. Support has been notified."*

but can be configured to something else if required (see below).

③ optionally, additional details (shown in a smaller font). This defaults to:

*"For more details, see JIRA issue: %s"*

(with the place holder holding the URL for the generated JIRA issue), but can be configured to something else if required (see below).

④ whether the end user should be able to view the stack trace. This implementation ALWAYS HIDES the stack trace.

⑤ the URL of an image to display, if any. This implementation never shows any image.

# How to configure/use

## Classpath

Update your classpath by adding this dependency in your `dom` project's `pom.xml`:

```
<dependency>
  <groupId>org.incode.module.errorrptjira</groupId>
  <artifactId>incode-module-errorrptjira-impl</artifactId>
  <version>1.16.1</version>
</dependency>
```

Check for later releases by searching [Maven Central Repo](#).

For instructions on how to use the latest `-SNAPSHOT`, see the [contributors guide](#).

## Configuration Properties

The following configuration properties are required (either in `isis.properties` or through the `AppManifest`); for example:

```
isis.service.errorReporting.jira.username=XXXXXX
isis.service.errorReporting.jira.password=XXXXXX
isis.service.errorReporting.jira.base=https://mycompany.atlassian.net/
isis.service.errorReporting.jira.projectKey=PRODSUP
isis.service.errorReporting.jira.issueType="IT Help"
```

Optionally the message text and details can be changed:

```
isis.service.errorReporting.jira.userMessage=...
isis.service.errorReporting.jira.detailsFormat=...
```

There currently is no mechanism to localize the message.

## Bootstrapping

In the `AppManifest`, update its `getDependencies()` method, eg:

```
@Override
public Set<Module> getDependencies() {
    return Sets.newHashSet(
        ...
        new org.incode.module.errorrptjira.ErrorReportingJiraModule(),
        ...
    );
}
```

# Known issues

None known at this time.

# Dependencies

Maven can report modules dependencies using:

```
mvn dependency:list -o -pl modules/spi/errorrptjira/impl -D excludeTransitive=true
```

which, excluding Apache Isis itself, returns these compile/runtime dependencies:

```
com.fasterxml.jackson.core:jackson-databind:jar:2.8.0
```