

Seam Reports Module

Reference Guide

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Introduction

The goal of Seam Reports is to provide a fully integrated CDI programming model portable extension for Java EE that provides APIs for compiling, populating and rendering reports from existing report frameworks.

Installation

Most features of Seam Reports are installed automatically by including the seam-reports-api.jar and the respective provider implementation (along with its dependencies) in the web application library folder. If you are using [Maven](http://maven.apache.org/) [http://maven.apache.org/] as your build tool, you can add the following dependency to your pom.xml file:

```
<dependency>
  <groupId>org.jboss.seam.reports</groupId>
  <artifactId>seam-reports-api</artifactId>
  <version>${seam-reports-version}</version>
</dependency>

<!-- If you are using Jasper Reports, add the following dependency -->
<dependency>
  <groupId>org.jboss.seam.reports</groupId>
  <artifactId>seam-reports-jasper</artifactId>
  <version>${seam-reports-version}</version>
</dependency>

<!-- If you are using Pentaho, add the following dependency -->
<dependency>
  <groupId>org.jboss.seam.reports</groupId>
  <artifactId>seam-reports-pentaho</artifactId>
  <version>${seam-reports-version}</version>
</dependency>
```



Tip

Replace `${seam-reports-version}` with the most recent or appropriate version of Seam Reports.

1.1. Installation using Seam Forge

If you are using Seam Forge, you may use the seam-reports plugin to help with the setup.

1.1.1. Plugin Installation

If not already installed yet on Forge, you may install the plugin by running the following command inside Forge:

```
forge git-plugin git://github.com/forge/plugin-seam-reports.git
```

1.1.2. Plugin Configuration

- To add only the api:

```
seam-reports setup
```

- To configure Seam Reports to work with JasperReports:

```
seam-reports setup --provider JASPER
```

- To configure Seam Reports to work with Pentaho Reporting Engine:

```
seam-reports setup --provider PENTAHO
```

Usage

The Seam Reports API is quite simple.

You inject a `ReportLoader`, produce `ReportDefinition` or `Report` objects.

A `ReportDefinition` produces `Report` objects. `Report` objects are "ready-to-be-printed" reports.

Reports are rendered on a `ReportRenderer` object. Check the test cases for more info.

