

**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.

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# 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/>] 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.

