

JasperReports

Definition

JasperReports UserView Menu is a userview plugin that allows more complex reporting requirements through integration with JasperReports.

By using JasperReports report definitions, sophisticated reports with custom layouts and graphs can be generated and viewed directly within a userview, with optional export to PDF and Excel.



What is JasperReports?

JasperReports is one of the most popular open source reporting engines. It is written in Java to be cross-platform, and it is able to use data coming from any kind of data source and produce pixel-perfect documents that can be viewed, printed or exported in a variety of document formats including HTML, PDF, Excel, OpenOffice and Word.

<http://community.jaspersoft.com/project/jasperreports-library>



Note

This feature is not meant to be a replacement for full-function reporting servers like JasperReport Server (<http://community.jaspersoft.com/project/jasperreports-server>). However, in many cases you do not need such advanced reporting features, and this plugin allows for easy embedding of sophisticated reports directly within a userview.



What is iReport Designer?

iReport is a powerful graphical design tool for report designers and power users to define reports for execution using the JasperReports engine.

<http://community.jaspersoft.com/project/ireport-designer>

There are community and enterprise versions for both JasperReports and iReport Designer, depending on your needs.

Performance

You can configure the **Performance** settings in this Userview Element to cache existing content for improved performance and loading speed.

Read more at [Performance Improvement with Userview Caching](#).

Configure Jasper Reports

Configure Jasper Reports > Configure Datasource > Report Parameters > UI

Custom ID

Label *

Default Output

Export Options

- PDF
 Excel


Jasper Reports Definition (JRXML)

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <jasperReport xmlns="http://jasperreports.sourceforge.net/jasperreports"
3   <property name="ireport.zoom" value="1.5"/>
4   <property name="ireport.x" value="0"/>
5   <property name="ireport.y" value="0"/>
6   <style name="table">
7     <box>
8       <pen lineWidth="1.0" lineColor="#000000"/>
9     </box>
10  </style>
11  <style name="table_TH" mode="Opaque" backcolor="#F0F8FF">
12    <box>
13      <pen lineWidth="0.5" lineColor="#000000"/>
14    </box>
15  </style>
```

Use virtualizer for large report?



Figure 1: Jasper Reports Properties

Name	Description
Custom ID	Item link slug. Optional field. <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;">  Unique field Value defined here must be unique to the rest of the Userview Menus as the first matching name will be called upon. </div>
Label	Menu label. Mandatory field.
Default Output	<ul style="list-style-type: none"> HTML
Export Options	Enable export options at the bottom of the generated report.
Jasper Report Definition (JRXML)	Paste your JRXML definition in XML here.
Use virtualizer for large report?	If you are experiencing issue in generating of report, try checking this option.

Configure Datasource

Configure Jasper Reports > Configure Datasource > Report Parameters > UI

Datasource Default Datasource ▼

Figure 2: Jasper Reports Properties - Configure Datasource

Name	Description
Datasource	<ul style="list-style-type: none"> Default Datasource Custom Datasource <p>If the default datasource is selected, the custom JDBC settings below will be ignored.</p>

Report Parameters

Configure Jasper Reports > Configure Datasource > Report Parameters > UI

Parameters

Name	Value
group	#requestParam.name#

⊕
⊖
✖

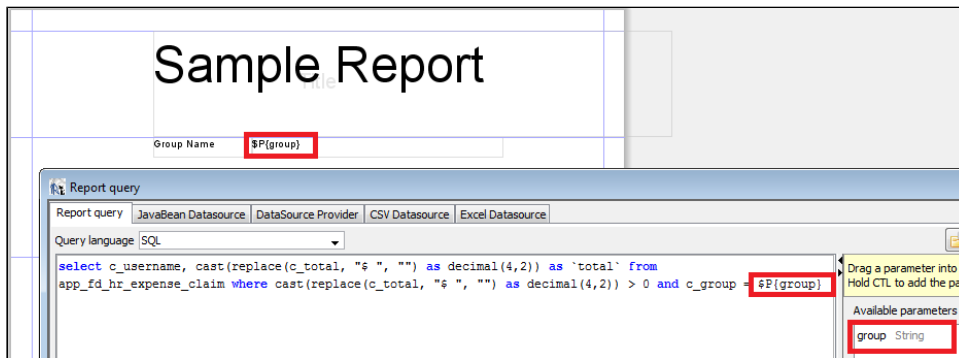
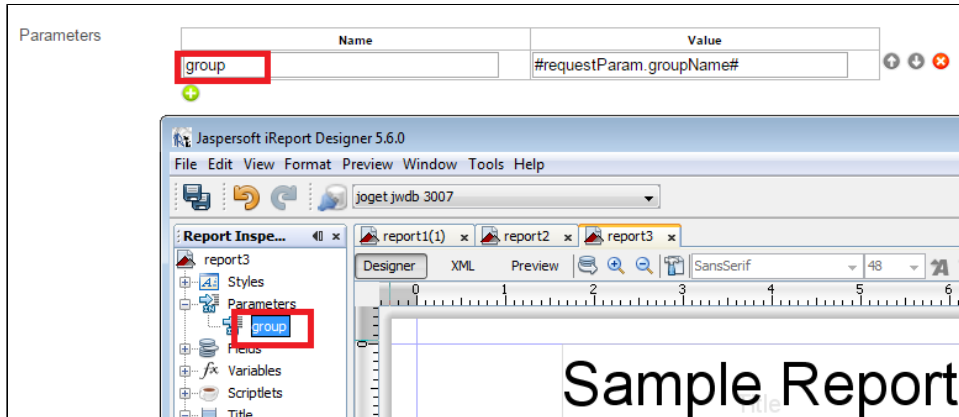
⊕

Figure 3: Jasper Reports Properties - Report Parameters

Name	Description
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Parameters
If your Jasper Reports is expecting parameters, here's where you can map them.

Name	Description
Name	Jasper Reports parameter name.
Example	group



Value
Hardcoded value and Hash variable is accepted here.

Example	#requestParam.groupName#
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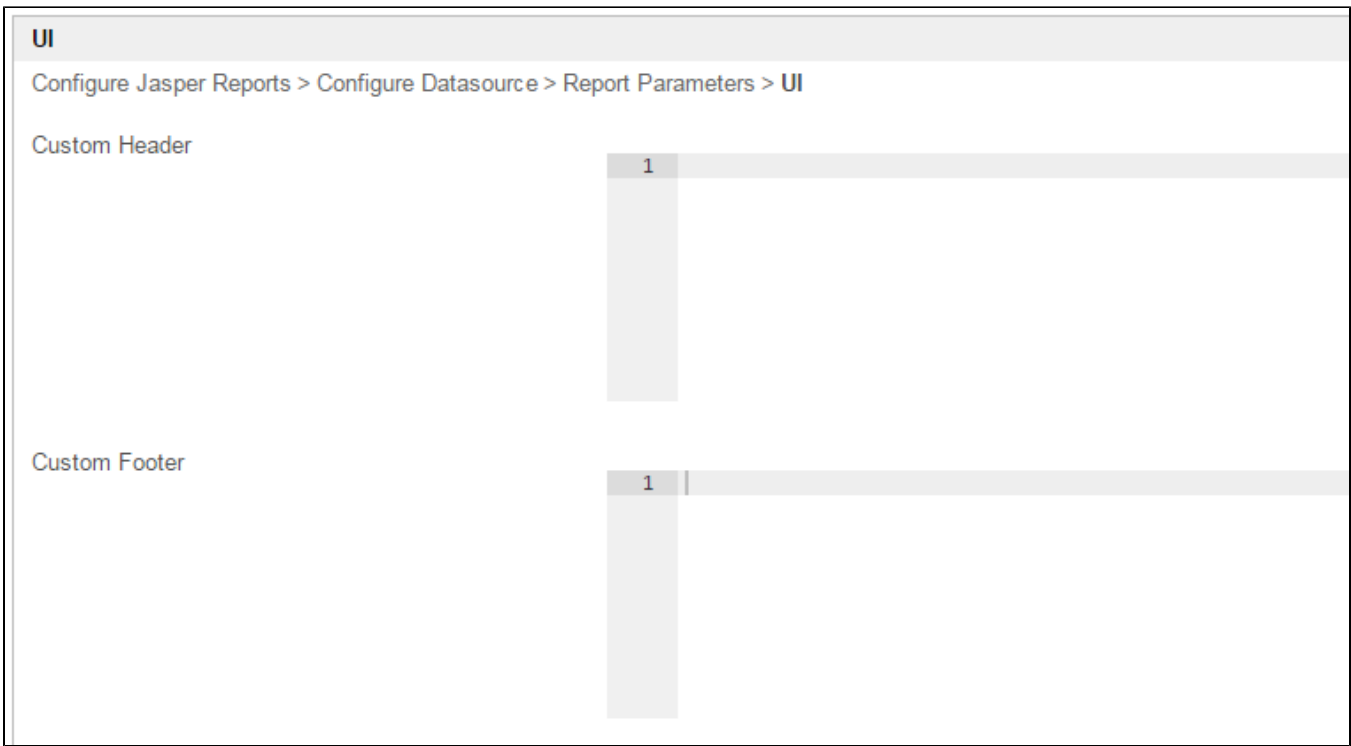


Figure 4: Jasper Reports Properties - UI

Name	Description
Custom Header	Custom Header in HTML.
Custom Footer	Custom Footer in HTML.