

Jasper Reports Integration



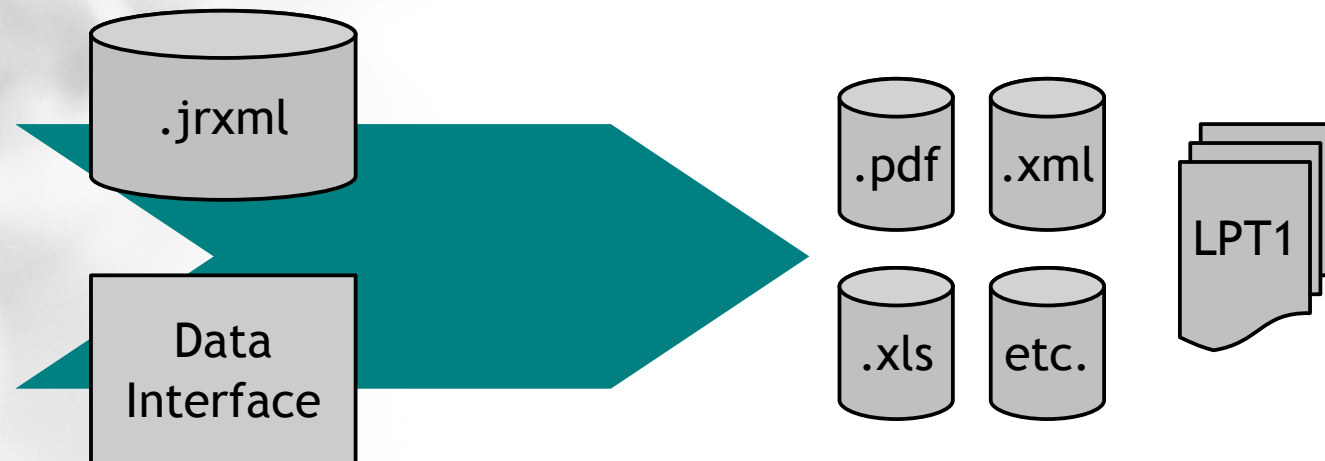
Benefits

With the Jasper Integration you now can...:

- You can define and run reports in the backend and output the result on client side - without PDF viewer. In the client the user can save the reports to various formats (including PDF, XLS) and can print the reports.
- You can define and run reports in the backend and directly print them onto the client side printer - either with or without showing the printer-popup to the user.

Jasper in a Nutshell

- Jasper Reports is a commonly used open source reporting / output framework.
 - Layout definitions are kept in .jrxml files.
 - Data is referenced from layout definitions.
 - Output can be done in multiple formats: .pdf, .csv, .xls, .xml, .rtf or to printer using Java printing routines



Jasper Component JRVIEWER

The screenshot shows the CaptainCasa Enterprise Client interface. The main window is titled 'CaptainCasa Demo Workplace' and displays a 'Show Report' window. The report is titled 'Rechnungsanlage' and shows a table of invoice items. The table has columns for 'Ver-Dat', 'Ver-Art', 'LS-Nr.', 'Empfänger', 'Art-Nr.', 'Stk.', 'Kt.', 'Pal.', and 'Kosten'. The report is displayed in a window with a toolbar and a 'Show Report' window. The toolbar includes a print icon and a 'Show Report' window. The 'Show Report' window has a title bar and a toolbar with a print icon and a 'Show Report' window. The report content includes a logo for 'Geis Global Logistics' and a table of invoice items.

Ver-Dat	Ver-Art	LS-Nr.	Empfänger	Art-Nr.	Stk.	Kt.	Pal.	Kosten
10.07.2006	DPD	171981	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171976	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171980	Kunde xyz	8180	8	2	1	0,00 €
10.07.2006	DPD	171977	Kunde xyz	8180	8	2	1	0,00 €
10.07.2006	DPD	171984	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171975	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171979	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171978	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171982	Kunde xyz	8180	4	1	1	0,00 €
10.07.2006	DPD	171983	Kunde xyz	8180	4	1	1	0,00 €

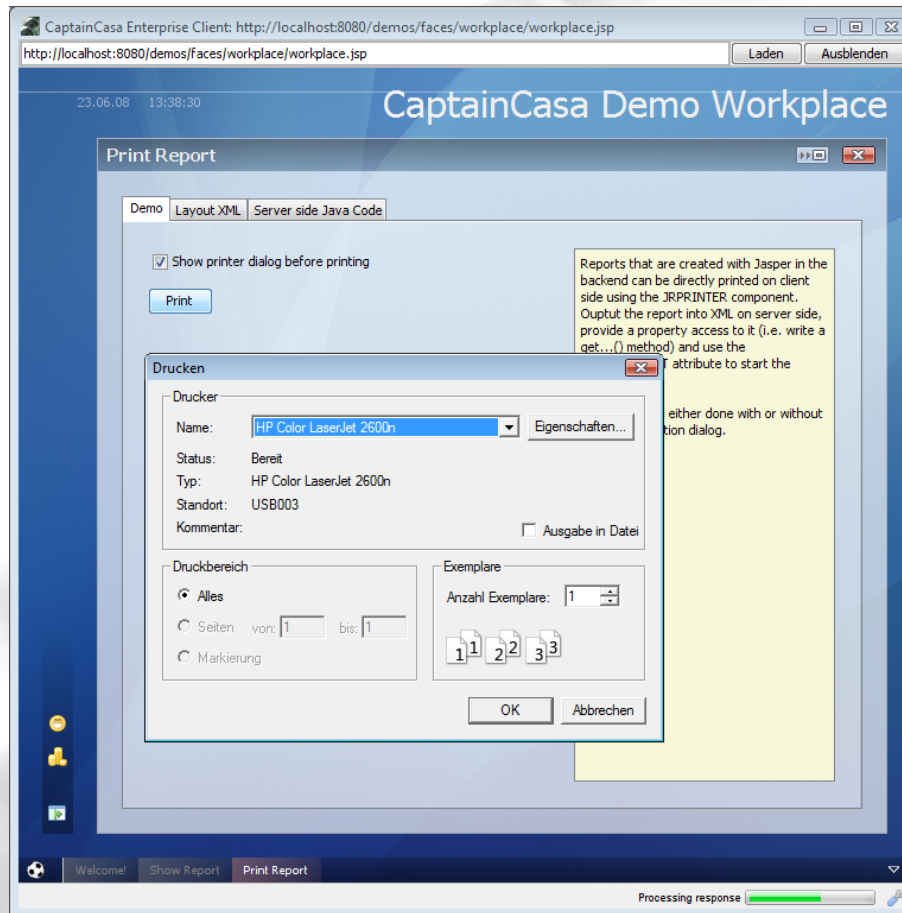
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Jasper Reports is a commonly used reporting and output framework. The JRVIEWER component allows you to directly output a report that is created on server side within the user interface client.

All the server side application has to do is to output the jasper report into XML and to provide this XML as property to the JRVIEWER component.

- Direct output of Jasper Reports
- Printing via icon
- Saving as .pdf/... on client side

Jasper Component JRPRINTER

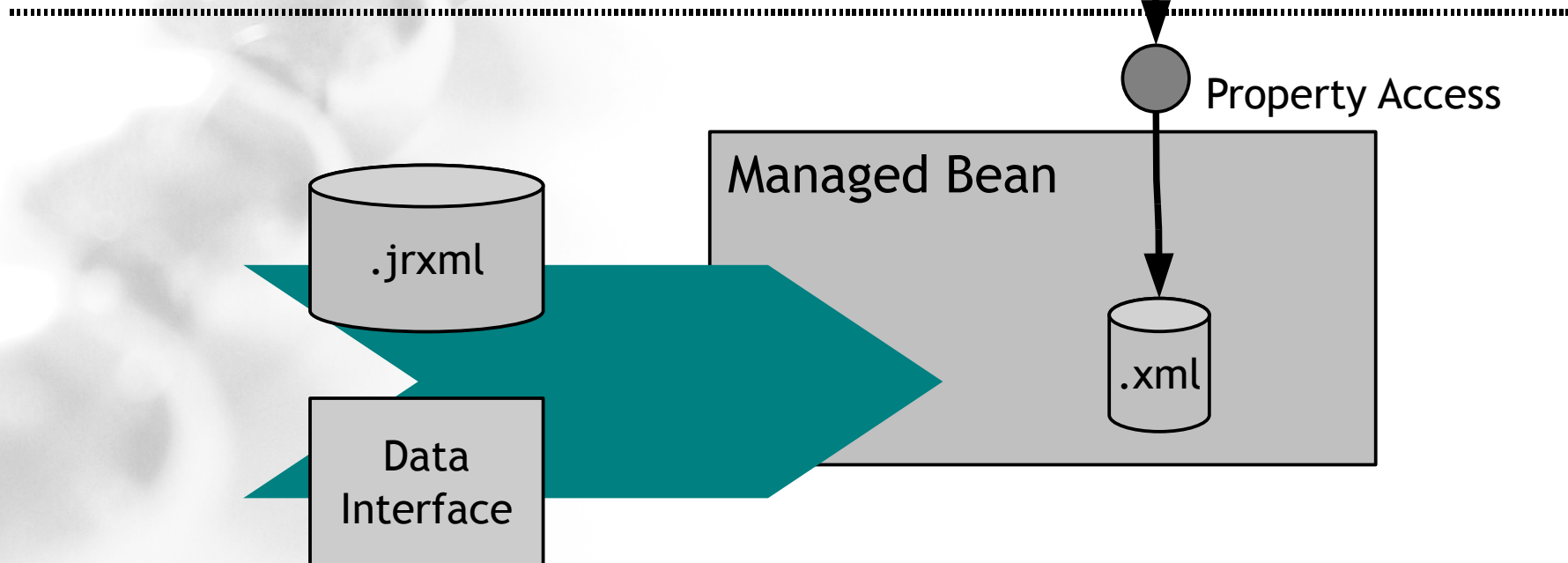
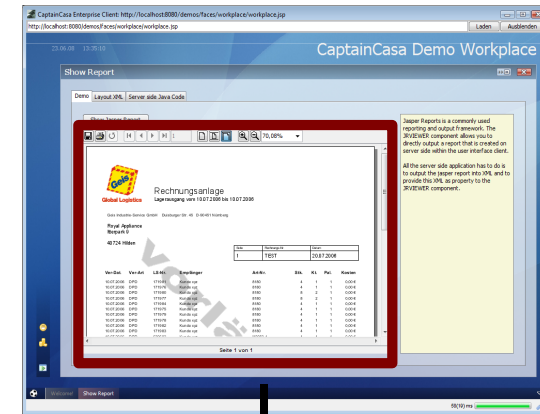


- Invisible client side component
- Manages client side printing
- With/without print dialog

Architectural Overview (I)

JSP:

```
<t:jviewer.jasperxml="#{d.xyz.xml}" .../>
```



Architectural Overview (II)

- Reports are created using Jasper Reports within the backend processing
 - Report results are output „to XML“
 - The XML is referenced by the Jasper components (JRVIEWER and JRPRINTER)
- The output is done using the JRViewer component within the frontend client.

Implications

- When using Jasper Reports on client side: additional 2.6 Mbytes of byte code need to be transferred to the client.
 - Jasper Library together with required Apache commons-libraries.