

Subreport in the designer

🌐 Language: [Deutsch](#) · [English](#)

📌 Subreport in the designer

Step by step: build a subreport in Jaspersoft Studio, test it and embed it in the main report.

TUTORIAL

APPLICATION DEVELOPER

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Creating a subreport in the designer

Subreports suit tabular data or lists and can use their own data source. Here we build a subreport and test it together with the main report in the designer (example: order with order positions).

1. Create the form

Analogous to the [main report](#). For the subreport:

- Remove all bands except *Column Header* and one *Detail* band.
- Adjust the detail band width to the embedding location (525px in the example).
- Remove all margins so the subreport blends in seamlessly.

The screenshot shows the JasperSoft Studio Designer interface. On the left, the 'Report Inspector' pane is open, showing a tree view of report elements. A red circle with the number '1' highlights the 'Detail 1' band under the 'Column Header' section. In the center, the 'Designer' pane shows a preview of the report layout with a 'Column Header' band and a 'Detail 1' band. On the right, the 'Properties' pane is open, showing various settings for the selected 'Detail 1' band. A red circle with the number '2' highlights the 'Page height' property, which is set to 842. Another red circle with the number '3' highlights the 'Left margin', 'Right margin', 'Top margin', and 'Bottom margin' properties, all of which are set to 0. The 'Columns' section shows 'Columns' set to 1 and 'Column Width' set to 525. The 'Print order' is set to 'Vertical'.

Subreport form in the designer.

2. Create the data source

Same database connection as the main report; procedure analogous to [creating a data source in the designer](#).

Hauptreport



Important

The **same parameter Intid** must exist – ideally imported from the main report.

3. Insert fields & create .jasper

- Drag&drop fields into the detail band (automatically creates static text in the column band).
- Format number fields, e.g. #, ##0.00.
- Run the preview – on success the designer creates a <name>.jasper.

The screenshot shows the JasperReports Designer interface. The 'Report Inspector' on the left lists the report structure: 'Auftragspositionen.jrxml' and 'Auftragsbeispiel.jrxml'. The 'Fields' section includes 'dblvknetto', 'dblvknettogesamt', 'intpos', 'dblmenge', 'streinheit', and 'strname'. The 'Variables' section includes 'Title', 'Page Header', and 'Column Header'. The 'Detail' section includes 'intpos', 'strname', 'dblmenge', 'dblvknetto', and 'dblvknettogesamt'. The 'Designer' view shows a table with columns: 'Pos.', 'Artikel', 'Menge', 'Einzelpreis', and 'dblvknettogesamt'. The 'Menge' column contains a text field expression: `{ $F{dblmenge} } !`. The 'dblvknettogesamt' column contains a text field expression: `{ $F{dblvknetto} } !`. A red circle with the number '1' points to the 'Menge' column. A red circle with the number '2' points to the 'dblvknetto' field in the 'Fields' list. A red circle with the number '3' points to the 'Strike Through' property in the 'Text properties' section. A blue oval highlights the 'Text Field Expression' dialog box, which contains the following code: `{ $F{dblmenge} } != null ? (new java.text.DecimalFormat("#,##0").format($F{dblmenge})) : ($F{streinheit} != null ? " " + $F{streinheit} : "") : null`. The 'Text properties' section on the right shows the 'Font name' as 'SansSerif', 'Size' as '10', 'Bold' as 'false', 'Italic' as 'false', 'Underline' as 'false', 'Strike Through' as 'false', 'Horizontal Alignment' as 'Right', and 'Vertical Alignment' as 'Top'.

Fields in the subreport.

4. Embed the subreport in the main report

In the main form choose the **Subreport** component from the palette, select *Use an existing report* in the wizard and load the created .jasper. Then choose the data source and place the subreport.

Schritte

1. Subreport
- 2. Connection exp**
3. Parameters
4. Subreport exp

Connection exp (2 of 4)

☒ Use the same connection used to fill the master report

☐ Use another connection

☐ Use a JRDataSource expression

☐ Use an empty data source

☐ Don't use any connection or data source

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Subreport wizard in the main report.



Belonging

The `Intid` parameter exists in both forms and ensures the subreport data belongs to the main record. Make sure not every band expands automatically with the subreport.

Related pages



Subreports

Basics.

[Open](#)



Creating a data source in the designer

Data source.

[Open](#)