

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 displays the JasperSoft Studio Designer interface. On the left, the 'Report Inspector' pane shows a tree view for 'Auftragspositionen'. The 'Detail 1' band is selected and highlighted with a red circle labeled '1'. The central 'Designer' pane shows a visual representation of the report layout with a 'Column Header' band at the top and a 'Detail 1' band below it. On the right, the 'Properties' pane shows configuration settings for the selected 'Detail 1' band. The 'Page size' section shows 'Page width' as 525 (highlighted with a red circle labeled '2') and 'Page height' as 842. The 'Margins' section shows 'Left margin', 'Right margin', 'Top margin', and 'Bottom margin' all set to 0 (highlighted with a red circle labeled '3'). The 'Columns' section shows 'Columns' as 1 and 'Column Width' as 525. The 'Print order' is set to 'Vertical'. Below the screenshot, the text 'Subreport form in the designer.' is centered.

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: Styles, Parameters, Fields (dblvknetto, dblvknettogesamt, intpos, dblmenge, streinheit, strname), Variables, Scriptlets, Title, Page Header, Column Header (intpos, strname, dblmenge, dblvknetto, dblvknettogesamt), and Detail 1. The 'Designer' tab shows a table with columns: Pos., Artikel, Menge, Einzelpreis, and dblvknettogesamt. The 'Menge' column contains a text field expression: `{ $F{dblmenge} } - Text Field Expression`. The 'Einzelpreis' column contains a text field expression: `{ $F{dblvknetto} }`. The 'dblvknettogesamt' column contains a text field expression: `{ $F{dblmenge} }`. The 'Text Field Expression' dialog box is open, showing the expression: `{ $F{dblmenge} } != null ? (new java.text.DecimalFormat("#,##0").format($F{dblmenge})) : ($F{streinheit} != null ? "+$F{streinheit}":null)`. The 'Properties' panel on the right shows the properties for the selected text field, including 'Text field properties', 'Text Field Expression', 'Expression Class', 'Blank When Null', 'Pattern', 'Pattern Expr.', 'Stretch With Over', 'Evaluation Time', 'Evaluation group', 'Text properties', 'Font name', 'Size', 'Bold', 'Italic', 'Underline', 'Strike Through', 'Horizontal Alignment', and 'Vertical Alignment'. Red circles and arrows highlight specific elements: (1) points to the 'Fields' list, (2) points to the 'Pattern' property, and (3) points to the 'Strike Through' property.

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.

Subreport wizard

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

< Zurück Weiter > Beenden Abbrechen Hilfe

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](#)