

Formatting

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

📖 Formatting

Formatting recipes for JasperReports – bold, number formats, frames/addresses, hyperlinks, markup and line breaks.

REFERENZ

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Bold & italic

The **bold** flag only affects the **designer preview** – the PDF is not changed. For real bold/italic printing choose the proper **font** (even though the property is shown struck through).

? Unbekannter Anhang

Choosing bold/italic via the font.

Decimals in a text field

Field content in JasperReports is defined by *one* Java statement. For formatted decimals:

```
new java.text.DecimalFormat("#,###,##0.00", java.text.DecimalFormatSymbols.getInstance($P{REPORT_LOCALE})).format($F{betrag})
```

English number format (workaround)

Numbers inside text cannot be formatted automatically. For an English format this hack helps:

```
new java.text.DecimalFormat("#,##0.00").format($V{zwsumme}.doubleValue()).replace(",", "x").replace(".", ",").replace("x", ".")
```

Continuous vertical column lines

Via *Padding and Borders* of a text field a line can be shown per side. For the line to **grow** with the column, the fields must not have a fixed height (see *Stretch with overflow*).

Stretch with overflow – uniform display

When a field grows beyond its width, neighbouring fields shift. Fix:

1. Select all text fields right-click *Padding And Borders* **Padding Top: 4px**.

2. Set the field height to **0px**.
3. Set the lower field to **Position Type = Float** and *Position Top = 0* (like all others).

After upload all fields line up.

Frames with addresses

A **frame** is a container for further elements (also nested). For an address block the **Title** band is suitable (first page only); for envelopes leave enough page margin (approx. 50px).

Merge two fields into one address line and remove empty lines:

1. In the *Text Field Expression* dialog concatenate the fields with + (string concatenation), returning null when a value is missing.
2. On the field set the flags **RemoveLineWhenBlank**, **BlankWhenNull** and **StretchWithOverflow**.

Empty lines (e.g. *strassezusatz*) are then removed automatically and the rest are pushed together.

? Unbekannter Anhang

Address block: text field expression.

Hyperlink

Link a text field or image – either via the context menu (*Hyperlink*, type *Reference*) or directly in the JRXML:

```
<textField hyperlinkType="Reference">
    <reportElement mode="Transparent" x="137" y="14" width="133" height="14"/>
    <textElement>

    </textElement>
    <textFieldExpression class="java.lang.String">"www.nuclos.de"</textFieldExpression>
    <hyperlinkReferenceExpression>"http://www.nuclos.de"</hyperlinkReferenceExpression>
</textField>
```

Markup – styled

With **markup** you format individual words/paragraphs inside a text field without adding a new field. Set the property `markup = styled` and use `<style>` tags:

```
<style isBold='true' pdfFontName='Helvetica-Bold' >Das ist ein dicker Text </style><style isBold='true'
pdfFontName='Helvetica-Bold' size='20'>20 Pixel groß </style><style isItalic='true' isUnderline='true'
forecolor='green'> Grüner Text unterstrichen und schief </style><style isBold='true' pdfFontName='Helvetica-
Bold' size='12'>&#38; hallo ich bin ein Sonderzeichen</style>
```



Special character &

Markup fails if the text contains a &. Replace it beforehand with the entity: `attribute.replaceAll("&", "&")`. Replace other special characters via their UTF-8 sequence if needed.

Line break in markup

A `<br/>` in the text produces a line break (field still `markup = styled`). Example: concatenate a result set in Oracle via `LISTAGG()` with `<br/>`:

```
SELECT listagg(T2x."STRBEZEICHNUNG", '<br/>')
  within group (order by T2x."STRBEZEICHNUNG") "strtext"

FROM
Tabelle T1x

WHERE
(
  T1x."Tabelle T1x" = Parameter
)) "strtext",
```

Min height to start new page

This property specifies the space already used by **other** components (not the height of the current element) from which a new page break starts.

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