

# Charts

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## Charts

Display values as a chart in the form – via a chart business object and the chart component in the layout.

HOW-TO

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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## What is a chart business object?

A chart displays values graphically (e.g. a customer's revenue). The values come from a **chart business object** – technically a [data source](#) that, like a dynamic BO, is attached to the parent record as a sub-form.

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The screenshot shows the NUCLOS application interface. The main workspace displays a diagram with four entities: T1.t\_eo\_auftrag, T2.t\_eo\_kunde, T3.t\_eo\_auftragsposition, and T4.t\_eo\_artikel. Green arrows indicate relationships between these entities. Below the diagram is a configuration table with the following columns: Parametername, Datentyp, Pflichtparameter, Anzeigensymbol, and ValueList Provider.

| Parametername | Datentyp | Pflichtparameter                    | Anzeigensymbol | ValueList Provider |
|---------------|----------|-------------------------------------|----------------|--------------------|
| artikel       | Text     | <input type="checkbox"/>            | Artikel        | VLP_Artikel.ds     |
| genericObject | Integer  | <input checked="" type="checkbox"/> |                | Kein ValueList ... |

At the bottom of the table, there are two rows with specific values:

|                            |  |  |  |  |
|----------------------------|--|--|--|--|
| T2.intid = \$genericObject |  |  |  |  |
| T4.strname = \$artikel     |  |  |  |  |

Example: revenue as a chart.

## Step 1: create the chart business object

The data source needs the mandatory columns **INTID** and **INTID\_T\_UD\_GENERICOBJECT** plus the parameter `genericObject` (present by default) pointing to the target object. Further parameters (also with a [value list provider](#)) can be shown next to the chart. All additional columns are available for display (alias = column header).

## Step 2: authorise it as a sub-form

The chart BO behaves like a sub-form of the parent BO. Permissions are granted under *Configuration* [status model](#) *Permissions tab* – for **every status**.

## Step 3: embed the chart in the layout

In the [layout editor](#) add a new tab and place the **Chart** component via drag&drop. In its properties set the underlying BO and the parameter under **foreign key**. Via **advanced properties** you choose the chart type, domain data (the chart BO's attributes) and the look&feel.

The screenshot illustrates the configuration of a chart component in the SAP layout editor. The main window shows the 'Eigenschaften von "Chart\_2"' palette with various properties. A 'Chart-Eigenschaften' dialog box is open, allowing the user to select a chart type and configure its properties. The dialog includes an 'Overview' section with a list of chart types and an 'Advanced' section for more detailed configuration. The background shows a form for 'Kunde' with fields for 'Nummer', 'Name', and 'Kundengruppe'.

Chart component and advanced properties.

## Related pages

### Data sources

Basics.

[Open](#)

### Dynamic business objects

Similar principle.

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### Layout

Embed chart.

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