

Data components

Language: [Deutsch](#) · [English](#)

Data components

Attribute-bound mask components at a glance – from textfield to subform and matrix.

REFERENZ

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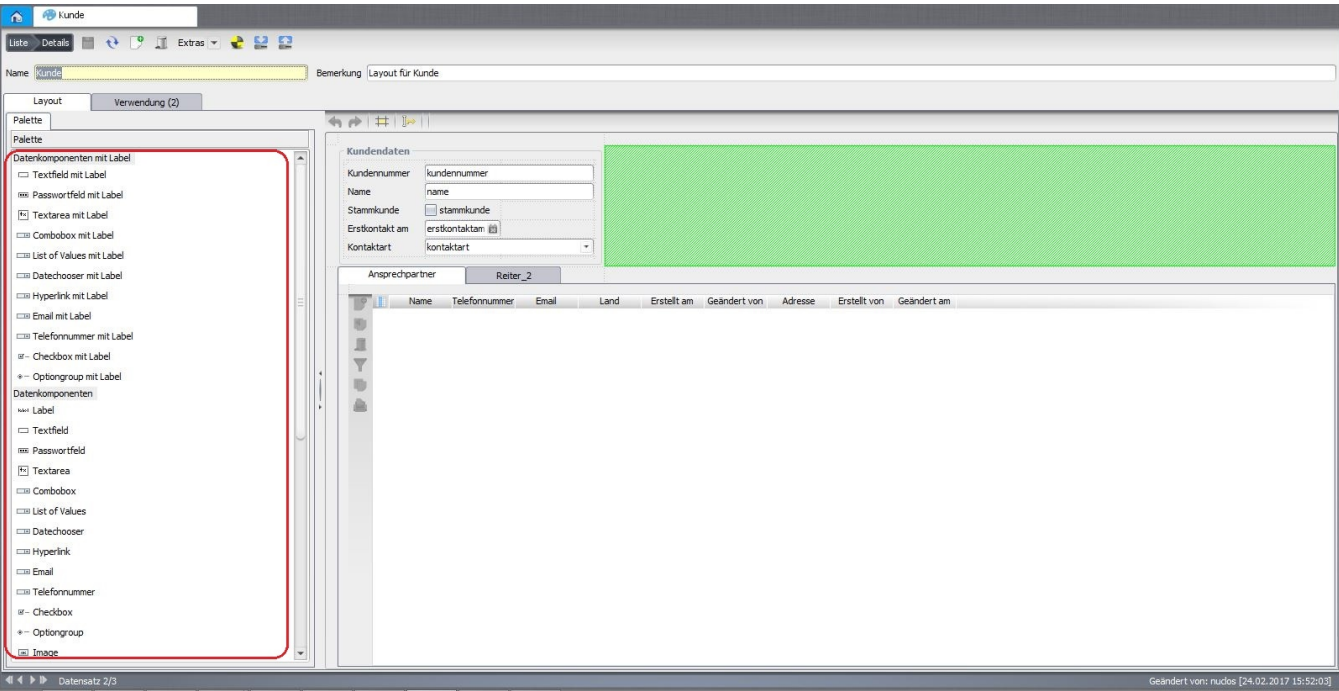
APPLIES TO NUCLOS 4.2026.X

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What are data components?

Data components are assigned to the **attributes of a business object**. Choosing the right component per data type matters (e.g. datechooser for dates, combobox for reference fields).



The screenshot shows the NUCLOS layout editor interface. On the left, a 'Palette' contains a list of 'Datenkomponenten mit Label' (Data components with label) and 'Datenkomponenten' (Data components). The 'Datenkomponenten mit Label' list includes: Textfield mit Label, Passwortfeld mit Label, Textarea mit Label, Combobox mit Label, List of Values mit Label, Datechooser mit Label, Hyperlink mit Label, Email mit Label, Telefonnummer mit Label, Checkbox mit Label, Optiongroup mit Label, and Image. The 'Datenkomponenten' list includes: Label, Textfield, Passwortfeld, Textarea, Combobox, List of Values, Datechooser, Hyperlink, Email, Telefonnummer, Checkbox, and Optiongroup. On the right, the form layout for 'Kunde' is shown, with fields for Kundendaten (Kundennummer, Name, Stammkunde, Erstkontakt am, Kontaktart) and Ansprechpartner (Name, Telefonnummer, Email, Land, Erstellt am, Geändert von, Adresse, Erstellt von, Geändert am). A green rectangular area is visible in the background of the form layout.

Palette of data components in the layout editor.

 Properties

The **standard properties** (active, preferred size, shortcut, next field, dynamic active via [Groovy rules](#) ...) are described in detail under [Component properties](#).

Component overview

Component	Data type / use	Notes
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Label	any attribute	shows the attribute display name; freely placeable.
Textfield	all data types	standard input field; automatically validates numeric input.
HTML field	text/HTML	renders HTML (rich client as label, web client embedded).
Password field	encrypted text / NuclosPassword	masked input (see Special data types).
Textarea	memo	multi-line field for notes/descriptions.
Combobox	reference field	drop-down list; value list provider, editable, multi-select.
List of Values	reference field	opens a search mask; LOV/drop-down button, alternative search mask.
Datechooser	date	date selection via calendar.
Hyperlink	hyperlink / reference field	local file, website or BO reference.
Email	text	validates a correct e-mail format.
Phone number	text	phone number field.
Checkbox	yes/no	boolean choice.
Optiongroup	choice	several options with name/label/value/shortcut.
Image	image	image display; scalable, aspect ratio (see Special data types).
Subform	referencing BO	shows/creates related records (e.g. order items).
Matrix	4 BOs	value matrix – see Matrix component .
Universal component	type-dependent	freely selectable type class – see Universal component .

Related pages

Layout

Design masks.

[Open](#)

Component properties

Properties.

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Container elements

Structure.

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