

Dynamic business objects

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

Dynamic business objects

Show data relationships as a read-only sub-form list – via a data source with INTID and INTID_T_UD_GENERICOBJECT.

HOW-TO

APPLICATION DEVELOPER

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

On this page

- [What are dynamic business objects?](#)
- [Creating via a data source](#)
- [Embedding in the layout](#)
- [Related pages](#)

What are dynamic business objects?

Dynamic business objects are used to **view data relationships**. Example: an order is assigned to a customer – on the customer you want to see the orders as a list. A dynamic BO produces that list.

Menu: Configuration Data sources Dynamic business objects

Creating via a data source

The data source requires two mandatory columns (unchangeable, must be part of the query):

- **INTID** – ID of the object storing the reference.
- **INTID_T_UD_GENERICOBJECT** – ID of the object where the data is embedded as a sub-form.

All further columns appear in the sub-form; the alias becomes the column header.

Dynamisches Businessobjekt "

Name: Kunde_Auftrag

Businessobjekt: auftrag

Beschreibung: Kunde_Auftrag

Modell | **SQL** | Vorschau

Statement wieder herstellen

```
SELECT
    T1.INTID INTID_T_UD_GENERICOBJECT,
    T2.INTID INTID,
    T2.AUFRAGAUFRAGSNUMMER "Auftragsnummer",
    T4.STRSTATE "Status",
    --T2."STRVALUE_NUCLOSPROCESS" "Auftragstyp",
    T2.AUFRAGBEZDATUM "Bezahl am",
    T2.AUFRAGBEZEICHNUNG "Bezeichnung",
    T2.AUFRAGBEZSUMME "Bezahl Summe",
    T2.AUFRAGDATUM "Datum",
    T2.AUFRAGPREISNETTO "Endpreis Netto",
    T2.AUFRAGRECHNUNGSDATUM "Rechnungsdatum",
    T2.AUFRAGPREISBRUTTO "Endpreis Brutto",
    T2.AUFRAGRECHNUNGSNUMMER "Rechnungsnummer",
    T3.STRNAME "Subjahrgang"

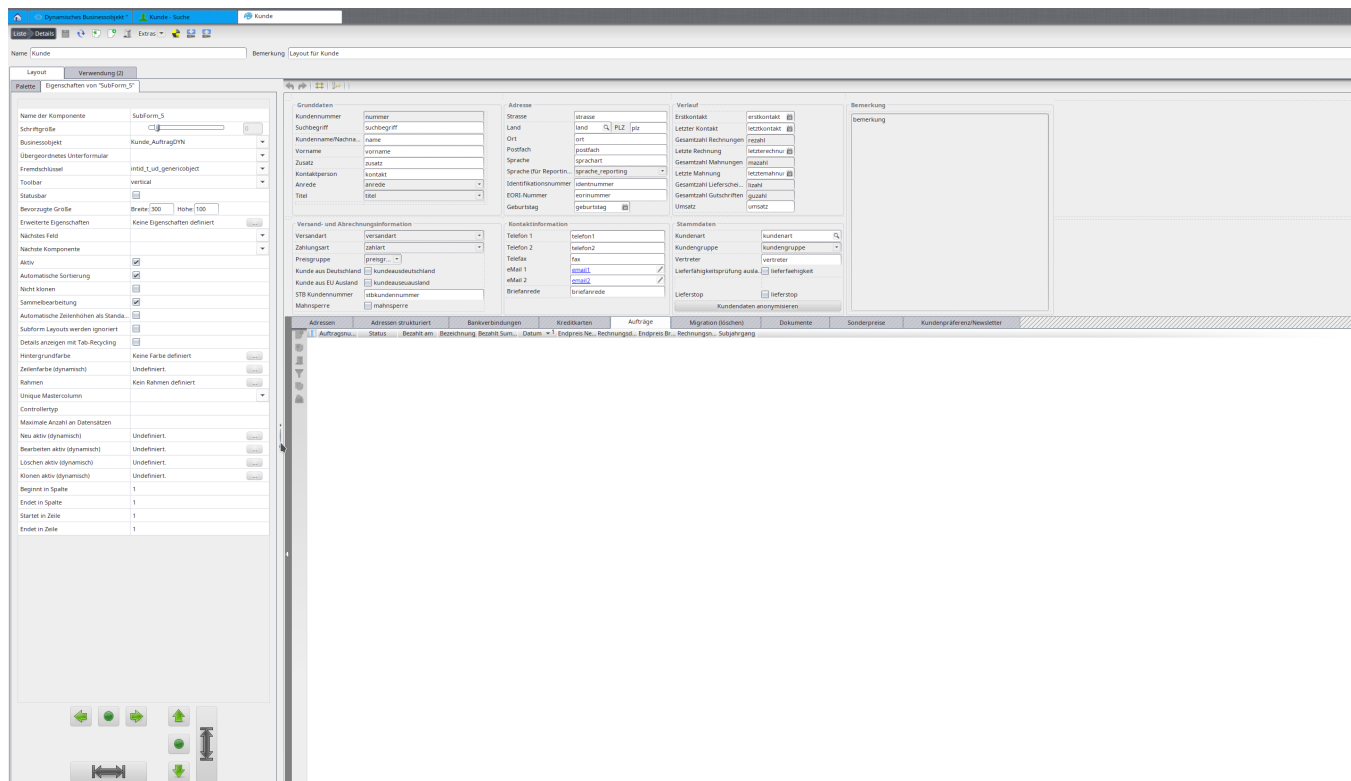
FROM
    J94R_KUNDE T1,
    J94R_AUFTRAG T2
    left join J94R_JAHRGANG t3 ON t3.intid = T2.Intid_auftragsubjahrgang
    left join t_md_state t4 ON T4.struid = T2.struid_nuclosstate

WHERE
    {
        T2.BLNNUCLOSDELETED = false
    }
    and T1.INTID = T2.INTID_AUFTRAGKUNDE
```

Data source of a dynamic business object.

Embedding in the layout

The dynamic BO is available in the [layout](#) like a normal BO; its name always starts with dyn_. Like normal BOs it must be added to the [status model](#) for permissions.



Dynamic BO in the layout.

Read-only

A dynamic BO is **read-only** – editing data is not possible. Use the context menu „show details“ to jump into the record.

Tips

For timestamps the alias must end in `_as_timestamp` (otherwise Nucleos truncates the time). **Images** (e.g. traffic lights) are not detected automatically – the metadata (`t_md_dynamicentity.clbmetaxml` or the `.meta` export) must be adjusted manually (`<javatype>org.nucleos.common.NucleosImage</javatype>`).

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