

Calculated attribute (data source)

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

Calculated attribute (data source)

Calculated attribute via a data source – with context variables and dynamic background colour for the web client.

HOW-TO

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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What is a calculated attribute (data source)?

A calculated attribute is a single return value of a database query that is linked to a field in the [business object](#) and shown at runtime – without any user action.

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Advantage

Compared to functions in [database objects](#), data-source-based attributes offer extra context variables such as \$username and \$mandator (the latter must be bracketed: ('\$mandator')).

Structure

The data source needs a parameter for the **INTID** of the record where the attribute is shown. The return value must match the value to display; the same data type is chosen when linking it in the business object.



Caution

Do not use t as a table alias in the data source – it is already used by Nuclos and leads to wrong results. Reference fields cannot be calculated.

Businessobjekt

Berechnetes Attribut "Schaden_"

Name: Schaden_getNaechsterTermin

Beschreibung: Berechnet den nächsten folgenden Termin

Modell: SQL, Vorschau

Businessobjekte: Datenquellen

Objekt:

- Abteilung
- Aktionen
- AktionMandant
- Anrede
- Art der Hilfe
- Atteststatus
- Aufgaben
- Bearbeiter
- Bundesland
- Diagnose
- Hilfetext
- HilfetextAktion
- HilfetextMandant
- Ja_Nein
- Kategorie für Dokumente
- KFZ Typ
- KFZ-Hersteller
- Kommunikationshinweis
- KommunikationshinweisMandant
- KommunikationshinweisPub
- KommunikationshinweisSchaden
- KommunikationshinweisVN
- Kraftstoffart
- Krankentransportart
- Kreditkarte
- Kündigungsgrund
- Land
- Mandanten
- Meldevorgang

T1.Schaden

- <primaryKey>
- abschlussdatum
- aktionfuerobjekt
- anhaengerbreite
- anhaengergewicht
- anhaengerhoehe
- anhaengerlaenge
- anzahlinsassen
- automatik
- bergungsnotwendig
- changedAt
- changedBy
- createdAt
- createdBy
- diesel
- dummyvn
- dummyvnersatz
- fahrer
- fzgrösse
- name

T2.Schaden Termin

- createdBy
- datum
- erledigtam
- erledigtvon
- fuerfachbereich
- notiz
- nuclosDeleted
- nuclosOrigin
- nuclosProcess
- nuclosState
- nuclosSystemId
- abgelegt
- abverantw
- schaden
- termin
- terminauswahlliste
- terminuhrzeit
- version
- vn
- zeit

T3.nuclos_state

- <primaryKey>
- buttonIcon
- buttonRes
- changedAt
- changedBy
- color
- createdAt
- createdBy
- description
- descriptionres
- icon
- labelres

Parameter...	Datentyp	Pflichtpar.
intid	Integer	

Table:

Spalte	Alias	Sichtbar	Gruppierung	Sortierung	Bedingung	oder
T1.Schaden	<primaryKey>					
T2.Schaden Termin	termin					
T3.nuclos_state	numeral					

T1."intid" = \$intid

T3."intnumeral" = 10

Data source of a calculated attribute.

Dynamic background colour (from Nuclos 4.2024.5)

Since [Groovy scripts](#) are not evaluated in the web client, a data source of type *calculated attribute* can return a component's background colour as a hex-encoded string (e.g. #00ff00). Available parameters include: intid, strfield, struidfield, fieldvalue (SQL snippet, whitelist attributeColor SQLwhitelist), username, mandator.

```
select
  pm.strvalue
from
  t_md_nucletparameter
  inner join t_md_mandator_param_value pm on t_md_nucletparameter.struid
where
  pm.struid_t_md_nuclet_param where strparameter = 'Nucletparameter x'
  and pm.struid_t_md_mandator = ('$mandator')
```

Hierarchy

Priority rich client: Groovy > data source > nuclosrowcolor > static layout colour. Web client: data source > nuclosrowcolor > static layout colour.

Related pages

Calculated attributes

Concept & DB path.

[Open](#)

Database objects

DB functions.

[Open](#)

