

XML structure definition

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

📄 XML structure definition

Map XML to business objects – structure/attribute match, xpath2value and the limits of the XML import.

REFERENZ

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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XML import in Nuclos

The XML import closely follows the [CSV structure definition](#); here we only cover the differences. There are **XML structure definitions** (mapping per BO) and the **XML file import** (ordering).

XML structure definition

Field	Meaning
Match (structure)	simple XPath that triggers attribute processing.
Business object	the BO that is created/updated/deleted.
Match (attribute)	XPath <i>relative</i> to the structure match, selects the node to transfer.
Attribute (BO)	target field for the extracted value.
Calculation expression	Groovy script with <code>xpath2value</code> (map), <code>line</code> , <code>log</code> – e.g. to compose a value from several nodes.
Format	as in the CSV import; only effective without a script.

XML file import flow

1. The XML file is read completely once per structure definition.
2. At the *structure match* the enclosed subtree is built into a Map (relative XPath value).
3. Attribute values are obtained from the map using the *attribute match* as key.
4. Optionally a calculation expression provides the map as `xpath2value`.
5. Exactly *one* attribute match may „reach outside“ (attributes/direct children of the structure match's parents).

 Limits

Limitations: the file must be *well-formed* (no schema needed/possible); *mixed content* is not supported (an element contains either text or child elements); a BO's data must reside in one contiguous subtree and is loaded fully into memory – so keep it small. The XML import is unsuitable for deeply nested structures.

Related pages

 **Structure definition**

CSV variant.

[Open](#)

 **Object import**

Run the import.

[Open](#)

