

1 CSV: Overview

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

💡 1 CSV: Overview

Overview of the CSV Export Nuclet: export of data in CSV format based on freely definable SQL data sources.

CONCEPT

INTEGRATORS

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

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Machine-translated – under review

This page was machine-translated from German as a first draft and is currently under review. The authoritative source remains the **German original** (see the language switch above).

1.1 Short description

The "CSV Export" Nuclet offers the ability to perform CSV exports on the basis of self-defined data sources.

More about the feature scope and implemented processes of this Nuclet can be found in [section 2](#).

1.2 Nuclet components

As part of the .nuclet file, the CSV Export Nuclet comprises

- four business objects (for CSV exports and associated master data),
- five actions (for predefined export types)
- eight layouts,
- one state model (for the CSV exports),
- one attribute group,
- five report data sources,
- various Java rules (distributed across packages),
- two structure definitions (for importing master data) and
- one Nuclet dependency.

In addition, the following components are supplied in the ZIP file:

- two CSV files for object imports.

Type	Name, English	Name, German	Short description
Business object	CSV Export	CSV export	controls and represents a single CSV export
	CSV Export Type	CSV export type	typing for predefined and customisable export types
	CSV File Encoding	CSV character set	file character set, e.g. "ISO-8859-1", "UTF-8"
	CSV Information	CSV information	Information log for CSV exports
Action	CSV Export Type 1		used for typing export types with parameterisation
	CSV Export Type 2		used for typing export types with parameterisation
	CSV Export Type 3		used for typing export types with parameterisation
	CSV Export Type 4		used for typing export types without parameterisation
	CSV Export Type 5		used for typing export types without parameterisation
Layout	CSV Export		general layout for business object "CSV Export"
	CSV Export Type		layout for business object "CSV Export Type"
	CSV Export Type 1		typed layout for business object "CSV Export", action "CSV Export 1"

	CSV Export Type 2		typed layout for business object "CSV Export", action "CSV Export 2"
	CSV Export Type 3		typed layout for business object "CSV Export", action "CSV Export 3"
	CSV Export Type 4		typed layout for business object "CSV Export", action "CSV Export 4"
	CSV Export Type 5		typed layout for business object "CSV Export", action "CSV Export 5"
	CSV File Encoding		layout for business object "CSV File Encoding"
State model	CSV Export		state model for the business object "CSV Export"
Attribute group	CSV Export		
Report & form	CSV Export Type 1		template for exports of type "CSV Export Type 1"
	CSV Export Type 2		template for exports of type "CSV Export Type 2"
	CSV Export Type 3		template for exports of type "CSV Export Type 3"
	CSV Export Type 4		template for exports of type "CSV Export Type 4"
	CSV Export Type 5		template for exports of type "CSV Export Type 5"
Java package	org.nuclet.csv.db		classes for database accesses, i.e. for running the report data sources
	org.nuclet.csv.logic		Business logic
	org.nuclet.csv.rule		control of insert/update/delete events
Structure definition	CSV Export Type		import structure for business object "CSV Export Type"
	CSV File Encoding		import structure for business object "CSV File Encoding"
Nuclet dependency	org.nuclet.Common		general helper functionality
Object imports	CSV_Export_Type.csv		master data records for business object "CSV Export Type"
	CSV_File_Encoding.csv		master data records for business object "CSV File Encoding"

Table 1: Nuclet components



Caution: Please note that, due to the Nuclet dependency on [org.nuclet.Common](#) further components are imported into the system when the Nuclet is integrated, which are not listed individually here. Details on the components of the [Common Nuclet](#) can be found in the documentation of this Nuclet.

Java package structure

The Java rules are divided into three packages:

- rules for controlling insert, update and delete events
- rules for the business logic (org.nuclet.datev.logic)
- supporting rules for database accesses via report data sources (org.nuclet.datev.db)

For the business logic, an abstract Java class (AbstractCSVExportLogic) provides the base functionality via the declared and (mostly) defined methods. The export processes are defined along the pre-declared methods of this abstract class and require no further adjustment for the normal use case. Additions are permitted in concrete implementations of this class (e.g. in the supplied CSVExportLogic class or your own implementation).

The classes in the packages for database accesses (org.nuclet.datev.db) and for job control (org.nuclet.datev.job) are implemented in such a way that they normally require no adjustment at all.

Java package	abstract classes	concrete implementations	other classes
org.nuclet.csv.db		• CSVDataSourceExecutor • CSVResultList	
org.nuclet.csv.logic	AbstractCSVExportLogic	• CSVExportLogic	• ExportType
org.nuclet.csv.rule		• ExecuteCSVExport • InitialiseCSVExport • ValidateCSVExport	

Table 2: Java package structure

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CSV Export (not yet available)

CSV Export Nuclet overview

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