

Nuclet: EasyLog (DHL) (not yet available)

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Nuclet: EasyLog (DHL) (not yet available)

Data sheet and documentation entry point for the EasyLog Nuclet (connection to the DHL EasyLog shipping software).

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).

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Nuclet for connecting to the EasyLog interface (DHL shipping software).

Name:	EasyLog
Package:	org.nuclet.easylog
Version:	1.4.0
Date:	13.09.2017
Nuclos compatibility:	from Nuclos 4.19.3

Overview

Short description

The EasyLog Nuclet implements the interface to the third-party shipping software "EasyLog" by DHL as a connection to Nuclos. The EasyLog software assists with capturing, processing and tracking transport orders, shipment preparation and shipment handling. This includes, for example, the fee calculation for captured shipments and the printing of orders for parcel delivery and common labels. Data is exchanged via CSV files in defined directories that Nuclos and EasyLog access.



Note

Information about the third-party shipping software "EasyLog" by DHL. Link: <http://www.dhl.de/de/paket/geschaeftskunden/verpackung-versand/versandsoftware.html>

Nuclet components

The EasyLog Nuclet comprises

- Java package "org.nuclet.easylog" with 4 Java classes
- 3 business objects/forms

Java package structure

Java package	Java class	Description
org.nuclet.easylog.parameter	SystemParameter	Configuration of the import/export directories
org.nuclet.easylog.process	EasyLogExport	Creates the interface file for the data to be transferred to EasyLog
	EasyLogImport	Reads and processes the interface file from EasyLog
org.nuclet.easylog.test	TestEasyLogExport	Example implementation of the export function
	TestEasyLogImport	Example implementation of the import function

Business object

Name	Description
LieferbedingungDHL	New business object in the master data. Definition of the parameters for the EasyLog export (product/procedure /participation). Required in addition to the sender data for shipping (e.g. national/international)
EasyLog Sendungen	EasyLogImport – captures all shipment data ...
Test EasyLog 1	Example form with 2 buttons for triggering the EasyLog export/import function (user action).

Integration

Necessary integration steps

1. Download
2. Nuclet import
3. Configuration of the system parameters (constants in Java class)
4. Source code adjustments in the Java rules

All integration steps are explained in detail below.

Step 1: Download

Download the .nuclet file „EasyLog-v1.2.0-4.13.0.nuclet“ from the Nuclos web page under „Nuclos Services“ > „Download“ > „Nuclet Download“.

Step 2: Nuclet import

Import the EasyLog Nuclet under „Configuration“ > „Nuclet Management“ > „Import“ into your existing Nuclos instance, selecting the file „EasyLog-v1.2.0-4.13.0.nuclet“

Step 3: Configuration of the system parameters

Parameter	Short description
DIR_EXPORT	Directory for the CSV files of the EasyLog export Example: "nuclos/data/easylog/export"
DIR_IMPORT_NEU	Directory for the CSV files of the EasyLog import
DIR_IMPORT_FEHLER	Storage for incorrect processing of a CSV file
DIR_IMPORT_ERLEDIGT	Storage for correct processing of a CSV file

Step 4: Source code adjustments

Nuclos export:

Extend the class „AbstractAdresse“ and override the methods of „AbstractAdresse“ with your own class „Adresse“ (example)

Adresse

```
public class Adresse extends AbstractAdresse {

    @Override
    public String getAnschrift1() {
        // Businessobject
        return Kundenadresse.getAnschrift1();
        ...
    }
    ...
}
```

*Call the export method in a server rule (can be a user action, object generation, job, etc.).
Passing the parameter (objects). See also class TestEasyLogExport.*

Export method

```
...
Adresse adresse = ... // Angabe der Empfängeradresse
LieferbedingungDHL dhlNational = ... // Query auf Stammdaten
String gewicht = ... // Angabe des Paketgewichtes

// Adresse, Lieferbedingung DHL, Gewicht
EasyLogExport export = EasyLogExport.getInstance(context);
export.exportEasylog(adresse, dhlNational, gewicht);
...
```

Nuclos import:

*Call the import method in a server rule (can be a user action, object generation, job, etc.).
See also class TestEasyLogImport.*

Import method

```
...
context.log("Import der EasyLog-Datei");

easyLogImport importEL = EasyLogImport.getInstance(context);
importEL.importEasylog();
...
```

Process flow

Nuclos export:

The interface file for the data to be transferred to EasyLog must be present in a defined source directory (SystemParameter.DIR_EXPORT) and in CSV format (SystemParameter.ENDING).

A polling function of EasyLog reads in the CSV files at defined intervals and processes the data. The CSV file contains recipient (address), product code, procedure, participation, country, weight.

Nuclos import:

The import function for shipments makes it possible to import complete shipment data from EASYLOG. The interface file from EasyLog is present in a source directory (SystemParameter.DIR_IMPORT) in CSV format.

EasyLog supplies the generated order and tracking number for this shipping order. Each line in the CSV file creates a record in the Nuclos business object „EasyLog Sendungen“ (form).

Further processing steps can be started after the import. As an example, a posting of the parcel (shipping order) with the customer order can take place.

Implementation example:

Under the menu item „Versand/Test EasyLog“, a test environment is created by generating a new record. On the form, the interfaces to EasyLog can be called via the buttons „EasyLog Export“ and „EasyLog Import“. The configuration of the SystemParameter is required beforehand. The buttons „EasyLog Export“ and „EasyLog Import“ call the server rules (user action):

org.nuclet.easylog.test.TestEasyLogExport
org.nuclet.easylog.test.TestEasyLogImport

with an implementation of example data. The form can also be removed from the menu path again via the business object.

Version history

Version	Date	Type	Changes
1.0.0	28.06.2013	initial version	-
1.1.0	13.12.2013	Migration to Nuclos 4.0	Migration to Nuclos 4.0
1.2.0	24.03.2017	Migration to Nuclos 4.13	Migration to Nuclos 4.13
1.3.0	21.08.2017	Migration to Nuclos 4.18	Migration to Nuclos 4.18
1.4.0	13.09.2017	Migration to Nuclos 4.19	Migration to Nuclos 4.19

Related pages

Interfaces

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