

ImportProvider

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

📖 ImportProvider

Run CSV imports from rules – `run()` with structure definition and `ImportResult`.

REFERENZ

DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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What is the ImportProvider for?

The ImportProvider runs a **data import** (CSV) from within a rule.

run(importFile, isTransactional, structureDefClasses...)

Imports the data from a `NuclosFile` (CSV). With `isTransactional = true` an error causes a full rollback. Structure definitions are generated classes (suffix `ISD`) from *Configuration Import & Export Structure definition*. Returns an `ImportResult` with log/text output.

```
public static ImportResult run(NuclosFile importFile, boolean isTransactional,
    Class<? extends ImportStructureDefinition>... structureDefClasses) throws BusinessException;
```

```
import org.nuclos.api.provider.ImportProvider;
import de.customer.SEPACodeStrukturDefinitionISD;

public void insert(InsertContext context) throws BusinessException {
    try {
        // Get data from file system
        NuclosFile sourceFile = FileProvider.newFile("/home/ftp/documents/SEPA-Code.csv");

        // Execute import
        ImportResult run = ImportProvider.run(sourceFile, false, SEPACodeStrukturDefinitionISD.class);

        if(run.hasErrors()) {
            throw new BusinessException(run.getMessages());
        }
        else {
            NuclosMail nuclosMail = new NuclosMail("automaticImport@myCompany.de",
"Datenimport fuer " + sourceFile.getName());
            nuclosMail.addAttachment(sourceFile);
            nuclosMail.addAttachment(run.getLogFile());
            nuclosMail.setMessage("Erfolgreicher Datenimport fuer " + sourceFile.getName() +
"\n\n" + run.getMessages());

            MailProvider.send(nuclosMail);
        }
    } catch (Exception e) {
        throw new BusinessException(e);
    }
}
```



Finding the structure definition

The structure definition class name ends in ISD (Import Data Structure). Generated classes are located under `data/codegenerator/IDS` in the Nuclon base directory.

Related pages

QueryProvider

Daten laden.

[Open](#)



BusinessObjectProvider

BOs schreiben.

[Open](#)



DatasourceProvider

run data sources.

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