

GenerationProvider

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

📖 GenerationProvider

Run generation steps from rules – type-safe via `execute()`.

REFERENZ

DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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What is the GenerationProvider for?

The GenerationProvider executes a **generation step** programmatically – e.g. „create invoice from order“.

execute(source, genClass)

Runs the generation step. Source and generated step class (from the `generation.jar`) must be type-compatible; returns the created target BO.

```
public static <S extends BusinessObject, T extends BusinessObject> T
    execute(S s, Class<? extends Generation<S,T>> genClass) throws BusinessException;
```

```
import org.nuclos.api.provider.GenerationProvider;

public class AuftragAbschliessen implements UpdateFinalRule {
    public void updateFinal(UpdateContext context) throws BusinessException {
        Auftrag a = context.getBusinessObject(Auftrag.class);
        Rechnung r = GenerationProvider.execute(a, ErstelleRechnungAusAuftragGEN.class);
    }
}
```



Type safety

Due to type safety, wrong source/target types cause compile errors in the rule.

Related pages



QueryProvider

Daten laden.

[Open](#)



BusinessObjectProvider

BOs schreiben.

[Open](#)



DatasourceProvider

run data sources.

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