

BusinessObjectProvider

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BusinessObjectProvider

Create, update and delete BOs from rules – save(), *All methods and logical deletion.

REFERENZ

DEVELOPER

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What is the BusinessObjectProvider for?

The `BusinessObjectProvider` class provides functions to **create, update and delete** business objects from within a rule – including objects that do not belong to the current context.



Caution: parallel editing

Data already shown in forms is loaded into the rule via the context. If the same data is processed in parallel via the `BusinessObjectProvider` (update), differing edit versions can cause errors.



Modern approach

The static methods `insert`, `update` and `delete` are **deprecated**. Use the [Modifiable](#) interface instead (`save()`/`delete()` on the BO).

save() – create & update

Instantiate new BOs with `new`, fill them and store with `save()`. Assign references (e.g. `article`, `warehouse`) via their id – e.g. through the [QueryProvider](#).

```
public class BestellungenAnlegen implements InsertRule {
    public void insert(InsertContext context) throws BusinessException {

        Anfrageposition newPos = new Anfrageposition();

        Artikel myArticle = QueryProvider.getById(Artikel.class, 40465351L);
        Lager myLager = QueryProvider.getById(Lager.class, 40276065L);

        newPos.setPositionsnr(0);
        newPos.setArtikelId(myArticle.getId());
        newPos.setAnzahl(2.0d);
        newPos.setLagerId(myLager.getId());

        newPos.save();
    }
}
```

insertAll / updateAll / deleteAll

Process a `Collection` sequentially and pass each entry to the respective single method.

```
public static <T extends BusinessObject> void insertAll(Collection<T> type) throws BusinessException;
```

deleteLogical / deleteLogicalAll

Delete entries **logically** (only for BOs implementing LogicalDeletable). Existing links can prevent deletion and abort rule processing.

QueryProviders

Related pages

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run data sources.

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GenerationProvider

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