

# Event - Update

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

## 📖 Event - Update

Event rule „Update“: interface, context and an example – how to react to this Nuclos event.

REFERENZ

DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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## When does the rule fire?

This [server-side rule](#) runs when a record is **updated** (before saving). It can be assigned to a **business object**.

## Structure

Skeleton of the rule class (the rule editor creates it automatically):

```
package org.nuclet.lager;

import org.nuclos.api.rule.UpdateRule;
import org.nuclos.api.context.UpdateContext;
import org.nuclos.api.annotation.Rule;
import org.nuclos.api.exception.BusinessException;

/**
 * @name
 * @description
 * @usage
 * @change
 */

@Rule(name="Aktualisieren einer Lagerposition", description="Aktualisieren eines Lagerposition")
public class AktualisierenLagerposition implements UpdateRule {
    public void update(UpdateContext context) throws BusinessException {

    }
}
```



### Context: UpdateContext

The context UpdateContext provides the affected BusinessObject via context.getBusinessObject(...); the RuleContext functions (providers) are also available. A BusinessException aborts the operation.

## Assignment

Assign it to the target via drag-and-drop in the [server rule manager](#). Optionally restrict execution to a **status** or an **action**; control the order with the arrow buttons.

| Regel                            | Status | Aktion |
|----------------------------------|--------|--------|
| AktualisierenLagerposition.class |        |        |

  


*Assignment of „Update“.*

## Example

```
package org.nuclet.company;

import java.util.List;
import org.nuclos.api.rule.UpdateRule;
import org.nuclos.api.context.UpdateContext;
import org.nuclos.api.annotation.Rule;
import org.nuclos.api.exception.BusinessException;

/**
 * @name
 * @description
 * @usage
 * @change
 */
@Rule(name="UpdateBestellung", description="UpdateBestellung")
public class UpdateBestellung implements UpdateRule {
    public void update(UpdateContext context) throws BusinessException {
        Bestellung curBestellung = context.getBusinessObject(Bestellung.class);
        List<Bestellposition> lstPositionen = curBestellung.getPositionen();

        double gesamteArtikelAnzahl = 0d;

        for (Bestellposition curPos : lstPositionen) {
            gesamteArtikelAnzahl += curPos.getAnzahlArtikel();
        }

        curBestellung.setKurzbeschreibung("Bestellung " + curBestellung.getNummer() + " umfasst insgesamt " +
            gesamteArtikelAnzahl + " Artikel.");
    }
}
```

## Related pages

### Server-side rules

Basics.

[Open](#)

### Server rule manager

Assign.

[Open](#)

### Rule execution order

Order.

[Open](#)