

Event - Print

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

Event - Print

Event rule „Print“: 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 form/report is **printed** (before output). It can be assigned to a **business object**.

Structure

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

```
package org.nuclet.businessentity;
import org.nuclos.api.rule.PrintRule;
import org.nuclos.api.context.PrintContext;
import org.nuclos.api.annotation.Rule;
import org.nuclos.api.exception.BusinessException;
/** @name
 * @description
 * @usage
 * @change
 */
@Rule(name="Printouts Vorfiltern", description="Printouts Vorfiltern")
public class PrintoutsVorfiltern implements PrintRule {
    public void print(PrintContext context) throws BusinessException {
    }
}
```



Context: PrintContext

The context `PrintContext` 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.

Example

```

package de.mynuclet;
import org.nuclos.api.rule.PrintRule;
import org.nuclos.api.context.PrintContext;
import org.nuclos.api.printout.Printout;
import org.nuclos.api.annotation.Rule;
import org.nuclos.api.exception.BusinessException;
import org.nuclos.api.printout.PrintoutList;
import de.mynuclet.formulare.*;

/** @name          PrintRuleBeispiel
 * @description     Zeigt ein einfaches Anwendungsbeispiel für die Modifizierung der Ausgabeformate ueber eine
PrintRule
 * @usage
 * @change
 */
@Rule(name="PrintRuleBeispiel", description="PrintRule Beispiel")
public class PrintRuleBeispiel implements PrintRule {
    public void print(PrintContext context) throws BusinessException {
        final Auftrag auftrag = context.getBusinessObject(Auftrag.class);
        context.log("printoutlist " + context.getPrintoutList());
        if ("EUR".equals(auftrag.getWaehrung())) {
            context.log("Die Währung \"EUR\" wurde angegeben");
            for (final Printout printout : context.getPrintoutList()) {
                if (AuftragsbestaetigungLiefergeschaefftP0.class.equals(printout.getClass())) {
                    context.log("attach output format " + AuftragsbestaetigungProjektgeschaefftP0.
Auftrag_Projektgeschaefft.getClass().getName());
                    printout.setOutputFormats().add(AuftragsbestaetigungProjektgeschaefftP0.
Auftrag_Projektgeschaefft);
                    context.log("after attach" + printout.setOutputFormats().size());
                } else {
                    context.log(printout.getClass() + " != " + AuftragsbestaetigungLiefergeschaefftP0.class.
getName());
                }
            }
        }
    }
}

```

Related pages

Server-side rules

Basics.

[Open](#)

Server rule manager

Assign.

[Open](#)

Rule execution order

Order.

[Open](#)