

Configuration Guide  
Message Transformation Guidelines - PayloadSwapBean  
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English

# Message Transformation Guidelines - PayloadSwapBean

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# 1 Introduction

The PayloadSwapBean is the alternative created to replace the current message payload with the content of one its attachments. In SAP PI/PO the module used was: PayloadSwapBean.

This solution is comprised by a groovy script, used to identify one attachment, and copy the content to the message payload. The header 'Content-Type' of the message is also updated with the Content-Type of the attachment.

Three additional properties are also created after the script:

- Attachment\_Name – name of the attachment identified.
- Attachment\_ContentType – content type of the attachment identified.
- Attachment\_Count – number of attachments in the original message.

To configure which attachment should be selected, a Content Modifier is used to set up at least 2 properties. These 2 properties are used as a pair.

If there is no attachment or no attachment matches the comparison, the output payload will be the same as the input.

## 1.1 Properties

There are 2 properties required to use this groovy script and they act as a pair:

- **swap.keyName:** This field indicates which comparison to use. The supported values are:
  - PAYLOAD-NAME – Compares the name of the attachments.
  - PAYLOAD-CONTENT-TYPE – Compares the content type of the attachments.
- **swap.keyValue:** This field indicates the value to be compared. The attachment field to be compared must contain this value to match.

The 'swap.keyName' options are more limited than what is offered by the adapter module in SAP PI/PO, since only 2 values are supported.

Note: The key 'PAYLOAD-NAME' is not supported for attachments from XI messages.

## 1.2 Example

Properties:

- **swap.keyName:** PAYLOAD-NAME
- **swap.keyValue:** testfile

Attachment Name: psb\_testfile.json

Result:

- Before script:
  - Content-Type: TEXT/PLAIN
  - Payload: "This is the initial payload."
- After script:
  - Content-Type: APPLICATION/JSON
  - Payload:

```
{
  "root": {
    "property": "test",
    "dummy": "PayloadSwapBean new payload"
  }
}
```