



StreamServe Persuasion SP5 MessageOUT

User Guide

Rev A

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Rev A
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<http://www.streamserve.com>

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About MessageOUT

A MessageOUT Process sends output to a MessageIN Event (see [About MessageIN](#)). The configuration tool for this type of Process is the MessageOUT tool.

When to use MessageOUT Processes

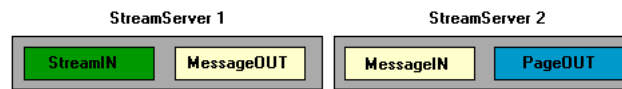
The MessageOUT Process makes it possible to extend the processing chain over multiple StreamServers. The MessageOUT Process is always used together with a MessageIN Event.

Example 1 Extending the processing chain over two StreamServers

The first figure illustrates a processing chain in one StreamServer.



The second figure illustrates the same processing chain distributed over two StreamServers.



No device driver

When you configure an output connector for MessageOUT output, do not specify any device driver (use option No Device).

Code pages

If you specify a code page for the output connector, the same code page will be used as the XML encoding declaration in the header of the XML document. For example:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
```

SXD file

The output data structure must be described in an SXD file, and this file must be made available to the corresponding MessageIN Event. See [Generating the MessageOUT SXD file](#) on page 7.

Processing instruction

You can specify a processing instruction that will be added to the output data. See [Specifying a processing instruction](#) on page 8.

Variables

If you want to transfer variables from the MessageOUT instance to the MessageIN instance, you must enable the use of variables. See [Enabling the use of variables](#) on page 9.

Configuring the MessageOUT Process

Generating the MessageOUT SXD file

The MessageOUT Process exports the originating Event as StreamServe XML, and generates an SXD file that describes the structure of the output. The name of the MessageOUT Process is added as a trigger pattern to the SXD file.

To generate the SXD file

- 1 In the MessageOUT tool, click **Browse**. The Select sxd Resource dialog box opens.
- 2 Browse to, and select, the MessageOUT SXD file resource.
- 3 Click **Export Message** to write the structure to the SXD file resource.

Specifying a processing instruction

You can specify a processing instruction that will be added to the output. You can, for example, specify a processing instruction for output destination parameters. Use the following syntax:

```
<?target value?>
```

The processing instructions are added immediately before the StreamServe XML declaration.

To add a processing instruction

In the MessageOUT tool, enter the processing instruction in the **Processing Instructions** field.

Example 2 *Processing instruction*

```
<?myapp publish="http://wjb.com/pub"?>
```

Enabling the use of variables

If you want to transfer variables from the MessageOUT instance to the MessageIN instance, you must make sure that the variables are available in the MessageIN instance.

Variables defined in the originating Events will always be available. If you want to make variables specified in scripts available, you must explicitly specify this.

Restrictions

- You cannot include arrays in the output data.
- Variables specified after Process or after Message cannot be included in the output.

To enable the use of variables

- 1 In the Runtime configuration, right-click the MessageOUT Process and select **Settings**.
- 2 On the **General** tab, select **Include variables in output** and click **OK**.

