StreamServe Persuasion SP5 Status Messenger

User Guide

Rev A

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StreamServe Web Site
http://www.streamserve.com

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Generating status reports

You can generate status reports for jobs. Each status report contains information for one job. You use the Status Messenger input connector and a MessageIN Event to create status reports.

Specifying which Project components to generate notifications for

You must specify which Events, output connectors, Process, etc in the Project you want to generate notifications for. This is done in the Project Export settings.

See *Specifying the Project components to generate notifications for*.

Specifying which notifications to include in status reports

You must specify which notifications to include in a status report. This includes:

- The severity level of the notifications (e.g. warning, running).
- The Project components the notifications relate to (e.g Events, Processes).

This is done in the Status Messenger input connector. See *Configuring the Status Messenger input connector to retrieve notifications*.

Notifications for non-job related log messages can not be included in status reports. For example, when a StreamServer application starts or stops. For information about monitoring StreamServer applications, see the *Control Center* documentation.

Creating status reports for different Project Components or notification levels

To create more than one status report for the same job, you configure different Status Messenger input connectors to retrieve to different notifications. Then create a separate Message for each Status Messenger input connector.

How it works

Notifications are generated for the components of the Project (Processes, Events, etc) you want to monitor. The notifications are saved with information relating to the severity level, etc.

The Status Messenger input connector retrieves the notifications you want to include in the status report. Then a Message with a MessageIN Event is used to extract the notification data and create the status report.
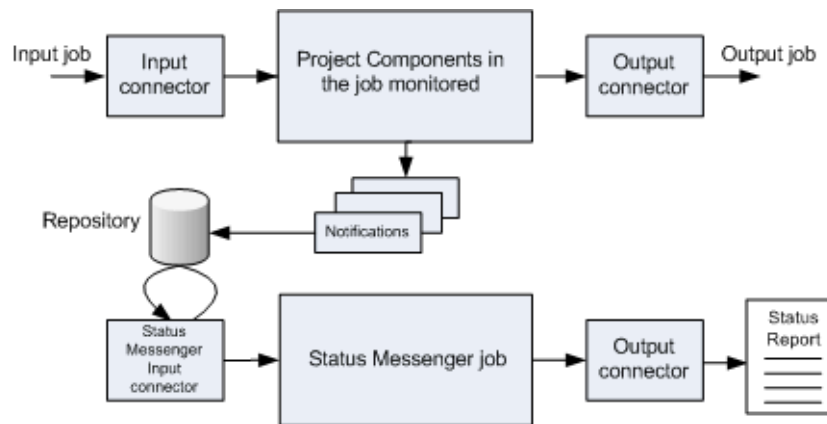
Configuring Status Messenger

To use Status Messenger to retrieve notifications and send a status report you must:

- Enable notifications.
- Specify the Project components that you want to monitor.
- Configure a Status Messenger input connector to retrieve the notifications to include in the status report.
- Configure a Message to create and distribute the status report.

Disable report function for other applications

You must make sure that the job status information is not consumed by any other application in the application domain. You do this by disabling the report function for the other applications.

For more information, see *Database Guidelines*. The guidelines are available at http://streamshare.streamserve.com/Downloads/

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Enabling notifications

You enable notifications and specify when to create the status report in the Platform.

Enabling notifications will affect the performance of the StreamServer.

To enable notifications

1 Activate the generic Platform layer.

2 Right-click the Platform and select **Configure Platform**. The Configure Platform dialog box opens.

3 Select **Use notifications**.

4 From the **Report status** drop-down list, select when to report the job status.

Report status	Description
When input is received	Job completion is reported when input is received. This means Status Messenger only retrieves notifications until the job is placed in the input queue.
When output is queued	Job completion is reported when the job is queued in the output queue. This means Status Messenger only retrieves notifications until the job is placed in the output queue.
When delivered from the output queue	Job completion is reported when the job is delivered from the output queue. This means Status Messenger retrieves notifications for the job until the output connector delivers the job from the output queue.

Specifying the Project components to generate notifications for

You specify which components of the Project you want to generate notifications for in the Project Export settings.

To specify the Project components to generate notifications for

1 Select **Edit > Project Export Settings.**

2 Select the **Notifications** tab.

3 Select **Generate notifications for these objects**.

4 Specify the Project components to generate notifications for.

Configuring the Status Messenger input connector to retrieve notifications

You specify which notifications to include in the status report in the Status Messenger input connector.

To configure a Status Messenger input connector

1   Create a Status Messenger input connector.

2   In the input connector, specify the notifications to include. See *Status Messenger input connector settings* on page 11.

Creating status reports for specific log messages and jobs

You can use Status Messenger to create status reports when specific log messages are generated during jobs. For example, to create a status report if the log message 1719 is generated during a job.

You can also use Status Messenger to create status reports when specific log messages are generated during specific jobs. For example, if you specify to generate a status report for the external Job ID K13 and log message ID 1719, a status report is created if log message 1719 is generated for the job with the external job ID k13. These status reports only include notifications for the log messages specified.

Log message IDs

The logmsg.txt file contains a list of the log messages and log message IDs. This file is located in the StreamServe installation directory:

```
<StreamServe installation>\Applications\StreamServer\<Version>\
Common\Data
```

To configure a Status Messenger input connector to retrieve notifications for specific log messages

1   In the Status Messenger input connector, from the Mode drop-down list, select **Advanced**.

2   In the **Log IDs** field, enter the log message IDs to generate status reports for.

To configure a Status Messenger input connector to retrieve notifications for specific log messages and jobs

1   In the Status Messenger input connector, from the Mode drop-down list, select **Advanced**.

2   In the **External job IDs** field, enter the External Job IDs to generate status reports for.

3   In the **Log IDs** field, enter the log message IDs to generate status reports for.

Configuring the Message for the status report

To create the Message for the status report, you create a MessageIN event and an appropriate Process.

To configure a MessageIN Event

You need a predefined SXD file to create the MessageIN Event. This file is called `StatMess_MultiMessage.sxd`

It is located in the StreamServe installation directory:

`<StreamServe installation>\Applications\StreamServer\<Version>\`
`Tools\System\data\sxd`

Add the SXD file to the resource set and connect it to a MessageIN Event. See the *MessageIN* documentation for more information about MessageIN Events.

Status Messenger input connector settings

Status Messenger input connector settings	
Event name	The name of the MessageIN Event that extracts the notification data.
Mode	**Basic –** Displays the basic options for the Status Messenger input connector. **Advanced –** Displays the advanced options for the Status Messenger input connector, which are used to create status reports for specific jobs and log messages.
Input queue	Retrieves notifications for the input queue.
Pre-process	Retrieves notifications for the Pre-process activities. **Note: Pre-process** must be combined with Event, Job, or Process to give a result.
Event	Retrieves notifications for the Events monitored.
Job	Retrieves notifications for the runtime jobs monitored.
Process	Retrieves notifications for the Processes monitored.
Output queue	Retrieves notifications for the output queues monitored.
Started	Retrieves notifications relating to when the monitored Events, Processes, etc are started.
Running	Retrieves notifications with the severity level **Running**.
Warning	Retrieves notifications with the severity level **Warning**.
Success	Retrieves notifications relating to when the monitored Events, Processes, etc are successfully completed.
Failure	Retrieves notifications with the severity level **Failure**.
First only	Retrieves the first notification generated for a job, and ignores subsequent notifications for the same job.

Status Messenger input connector settings - advanced	
External job IDs	The external job IDs that trigger status reports to be created. This parameter must be used in combination with the **Log IDs**.
	Variables can not be used. Use commas to separate multiple entries.
Log IDs	The IDs of the log messages that trigger status reports to be created. Notifications with these log IDs are retrieved and included in the status report.
	Variables can not be used. Use commas to separate multiple entries.