

Digital Event Services Help

Version 10.1

October 2017

This document applies to Software AG Product Suite Version 10.1 and to all subsequent releases.

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About this Guide

This document explains how to use Software AG Event Console. With the Event Console you can diagnose and monitor the publishing of Digital Event Services events.

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Narrowfont	Identifies storage locations for services on webMethods Integration Server, using the convention <i>folder.subfolder:service</i> .
UPPERCASE	Identifies keyboard keys. Keys you must press simultaneously are joined with a plus sign (+).
<i>Italic</i>	Identifies variables for which you must supply values specific to your own situation or environment. Identifies new terms the first time they occur in the text.
Monospace font	Identifies text you must type or messages displayed by the system.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires Empower credentials. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:


- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

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About the Event Console

Software AG Event Console is a tool in Software AG Designer that enables you to monitor and diagnose the publishing of digital events. You use the Event Console to ensure that an application successfully publishes events of a particular digital event type to a Universal Messaging channel. The Event Console acts as an additional subscriber that prints digital events and their contents.

You can access the Event Console from any Designer perspective by clicking .

Note: Besides the Event Console, you can use command line tool to monitor the publishing of digital events. You can find the command line tool in the following location: *Software AG_directory/common/lib/events-console.jar*.


To access usage information, open a command line prompt in *Software AG_directory/common/lib* and execute the following command:

```
java -jar events-console.jar
```

Configuring the Event Console

Using the Event Console, you monitor specific digital event types that are published to a Universal Messaging channel. You create a launch configuration in Designer to enable the Event Console to listen for incoming events.

To configure the Event Console to monitor digital event types:

1. In Designer, click .
2. In the **Name** field, specify a name for the launch configuration.
3. On the **Configuration** tab, select the Digital Event Services runtime configuration that the Event Console uses for subscribing to incoming events:

- **Use Universal Messaging Service** - select this option when all events that the Event Console monitors are published to a single Universal Messaging server.

In the **Provider URL** field, specify the host and port of the Universal Messaging server to which the Event Console connects. The default value is `nsp://localhost:9000`.

- **Use External Configuration** - select this option when the events that the Event Console monitors are published to multiple Universal Messaging servers.

In the **Configuration Location** field, specify the configuration folder of Digital Event Services (DES) in the runtime where DES is embedded. The configuration folder you specify must contain a subfolder called `DigitalEventServices`.

Note: DES configurations for Software AG OSGi runtimes are located in *Software AG_directory\profiles\profile_name\configuration*.

4. On the **Event Types** tab, select the event types that you want to monitor.
5. On the **Message Format** tab in the **Type Name Details** section, select the format of the information that the Event Console displays.

Note: The message format settings that you choose apply to the digital event types that you select on the **Event Types** tab and to the digital event types that they implicitly require in their event type definition.

- **Show no type information** - this is the default. The Event Console prints events without the name of the digital event type, for example:

```
[{"id":"order #1"}, {"order":[{"item_id":"item #1"}, {"item_count":23}]}]
```

- **Show local name only** - each line that the Event Console prints starts with the name of the digital event type, without package and variant key, for example:

```
{"EventType":"DemoType", "EventFields":[{"id":"order #1"}, {"order":{"EventType":"OrderType", "EventFields":[{"item_id":"item #1"}, {"item_count":23}]}]}
```

- **Show full type information** - each line that the Event Console prints starts with the name of the digital event type, which includes the name of the package of the event type, for example:

```
{"EventType":"des.sample.DemoType", "VariantKey":"158502b503f3afbf", "EventFields":[{"id":"order #1"}, {"order":{"EventType":"des.sample.OrderType", "VariantKey":"25c7bb036ce347a6", "EventFields":[{"item_id":"item #1"}, {"item_count":23}]}]}
```

6. Optional. In the **Additional Message Format Settings** section, select one or more options:
 - **Show every hundredth event on the console only** - the Event Console prints only one in every hundred events.
 - **Show formatted event content** - the Event Console indents the content of the events it prints, for example:

```
[ {
  "id" : "order #1"
}, {
  "order" : [ {
    "item_id" : "item #1"
  }, {
    "item_count" : 23
  } ]
} ]
```

7. Click **Run**.