Digital Messaging Server Guide

Digital Messaging Server Configuration Options

12/14/2025

Digital Messaging Server Configuration Options

See the Digital Messaging Server Options Reference for information on the configuration options available.

Options for a particular monitor override the general channel options.

You must set the following Java VM properties according to which DMS channels are used in your environment:

Channel(s)	Options
Chat mode only is used in all DMS channels	• -**Dgenesys.mcr.stdserverex.itxrequired** = false • -**Dgenesys.mcr.stdserverex.scsrequired** = true • -**Dgenesys.mcr.stdserverex.chatrequired** = true
Paging mode only is used in all DMS channels	• -**Dgenesys.mcr.stdserverex.itxrequired** = true • -**Dgenesys.mcr.stdserverex.scsrequired** = false • -**Dgenesys.mcr.stdserverex.chatrequired** = false
Both chat and paging modes are used in DMS channels	• -**Dgenesys.mcr.stdserverex.itxrequired** = true • -**Dgenesys.mcr.stdserverex.scsrequired** = true • -**Dgenesys.mcr.stdserverex.chatrequired** = true
DMS channels do not post messages to DMS (for example, a channel for bots)	• -**Dgenesys.mcr.stdserverex.itxrequired** = false • -**Dgenesys.mcr.stdserverex.scsrequired** = false • -**Dgenesys.mcr.stdserverex.chatrequired** = false

Masking sensitive data in log files

Although values for sensitive data such as passwords are masked in key-value lists, these values are not masked when users view or modify the related configuration options.

You can use the internal log-filtering mechanism in Digital Messaging Server to properly mask these values, based on the **logging-filter-default.json** configuration file that you put into the directory where your DMS jar file resides. Specify the configuration file to use in the value for **logging-filter-spec**. Click here to download a sample for **logging-filter-default.json**.

First, define a set of filters that are applied to the server's log messages before they are passed to a logging system. The filters intercept the original message's content and produce new content (possibly empty values) for specific messages in a log file (for example, a message that has specific identification information).

There are three types of filter procedures:

- `Skip`—Produces empty new content,
- `Hide`—Produces standard placeholder as a new content,
- `Edit`—Produces new content as a transformation of an original content.

The filter can modify content as part of a series of steps. For example, it can mask one category of information before masking a separate category.

Modification of content is based on a search-and-replace approach using regular expressions and replace expressions (“search” predicate and “replace” action). See the following links for more information:

- Lesson: Regular Expressions (Oracle)
- Class Pattern (Oracle)
- Regular Expression Language - Quick Reference (Microsoft)

You must extensively test regular expressions to ensure they perform as expected in all cases. The following tools might be useful for testing:

- Regex Planet
- RegExr

The following are examples and definitions of typical sensitive data:

- Bank card number
- Social Security Number
- Phone number