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Deployment Guide

Backend Server log

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Purpose: Lists the options available for the **log** section of the Genesys Web Engagement Backend Server.

all

- Default Value: stdout
- Valid Values (log output types):

stdout	Log events are sent to the Standard output (stdout).
stderr	Log events are sent to the Standard error output (stderr).
network	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database. Setting the all log level option to the network output enables an application to send log events of the Standard, Interaction, and Trace levels to Message Server. Debug-level log events are neither sent to Message Server nor stored in the Log Database.
memory	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
[filename]	Log events are stored in a file with the specified name. If a path is not specified, the file is created in the application's working directory.

- Changes take effect: When the application is started or restarted.
- Description: Specifies the outputs to which an application sends all log events. The log output types must be separated by a comma when more than one output is configured. For example:

`all = stdout, logfile`

buffering

- Default Value: true
- Valid Values:

true	Enables buffering.
false	Disables buffering.

- Changes Take Effect: Immediately
- Description: Turns on/off operating system file buffering. The option is applicable only to the stderr and stdout output. Setting this option to true increases the output performance.

When buffering is enabled, there might be a delay before log messages appear at the console.

expire

- Default Value: 3
- Valid Values:

false	No expiration; all generated segments are stored.
<number> file or <number>	Sets the maximum number of log files to store. Specify a number from 1—1000.
<number> day	Sets the maximum number of days before log files are deleted. Specify a number from 1—100.

- Changes Take Effect: Immediately
- Description: Determines whether log files expire. If they do, sets the measurement for determining when they expire, along with the maximum number of files (segments) or days before the files are removed. This option is ignored if log output is not configured to be sent to a log file.

If an option's value is set incorrectly "out of the range of valid values" it will be automatically reset to 10.

segment

- Default Value: 1000
- Valid Values:

false	No segmentation is allowed.
<number> KB or <number>	Sets the maximum segment size, in kilobytes. The minimum segment size is 100 KB.
<number> MB	Sets the maximum segment size, in megabytes.
<number> hr	Sets the number of hours for the segment to stay open. The minimum number is 1 hour.

- Changes Take Effect: Immediately
- Description: Specifies whether there is a segmentation limit for a log file. If there is, sets the mode of measurement, along with the maximum size. If the current log segment exceeds the size set by this option, the file is closed and a new one is created. This option is ignored if log output is not configured to be sent to a log file.

standard

- Default Value: stdout
- Valid Values:

stdout	Log events are sent to the Standard output (stdout).
stderr	Log events are sent to the Standard error output (stderr).
network	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database.
memory	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
[filename]	Log events are stored in a file with the specified name. If a path is not specified, the file is created in the application's working directory.

- Changes Take Effect: Immediately
- Description: Specifies the outputs to which an application sends the log events of the Standard level. The log output types must be separated by a comma when more than one output is configured. For example: `standard = stderr, network`

trace

- Default Value: stdout
- Valid Values:

stdout	Log events are sent to the Standard output (stdout).
stderr	Log events are sent to the Standard error output (stderr).
network	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database.
memory	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
[filename]	Log events are stored in a file with the specified name. If a path is not specified, the file is created in the application's working directory.

- Changes Take Effect: Immediately
- Description: Specifies the outputs to which an application sends the log events of the Trace level and higher (that is, log events of the Standard, Interaction, and Trace levels). The log outputs must be separated by a comma when more than one output is configured. For example: `trace = stderr, network`

verbose

- Default Value: info
- Valid Values:

all	All log events (that is, log events of the Standard, Trace, Interaction, and Debug levels) are generated.
debug	The same as all .
trace	Log events of the Trace level and higher (that is, log events of the Standard, Interaction, and Trace levels) are generated, but log events of the Debug level are not generated.
interaction	Log events of the Interaction level and higher (that is, log events of the Standard and Interaction levels) are generated, but log events of the Trace and Debug levels are not generated.
standard	Log events of the Standard level are generated, but log events of the Interaction, Trace, and Debug levels are not generated.
none	No output is produced.

- Changes Take Effect: Immediately
- Description: Determines whether a log output is created. If it is, specifies the minimum level of log events generated. The log events levels, starting with the highest priority level, are Standard, Interaction, Trace, and Debug.