



Common Configuration Options

Unless otherwise noted, the common configuration options that this chapter describes are common to all Genesys server applications and applicable to any Framework server component. This chapter includes the following sections:

- [Setting Configuration Options, page 1](#)
- [Mandatory Options, page 2](#)
- [log Section, page 2](#)
- [log-extended Section, page 16](#)
- [log-filter Section, page 18](#)
- [log-filter-data Section, page 18](#)
- [security Section, page 18](#)
- [sml Section, page 18](#)
- [common Section, page 21](#)

Note: Some server applications also support log options that are unique to them. For descriptions of a particular application's unique log options, refer to the chapter/document about that application.

Setting Configuration Options

Unless specified otherwise, set common configuration options in the `Options` of the `Application` object, using one of the following navigation paths:

- In Genesys Administrator—`Application` object > `Options` tab > `Advanced View (Options)`
- In Configuration Manager—`Application` object > `Properties` dialog box > `Options` tab

Warning! Configuration section names, configuration option names, and predefined option values are case-sensitive. Type them in Genesys Administrator or Configuration Manager exactly as they are documented in this chapter.

Mandatory Options

You do not have to configure any common options to start Server applications.

log Section

This section must be called `log`.

verbose

Default Value: `all`

Valid Values:

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

Changes Take Effect: Immediately

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. See also “Log Output Options” on [page 8](#).

Note: For definitions of the Standard, Interaction, Trace, and Debug log levels, refer to the *Framework 8.x Management Layer User’s Guide*, and *Framework 8.x Genesys Administrator Help*.

buffering

Default Value: `true`

Valid Values:

<code>true</code>	Enables buffering.
<code>false</code>	Disables buffering.

Changes Take Effect: Immediately

Turns on/off the operating system file buffering. The option is applicable only to the `stderr` and `stdout` output (see [page 8](#)). Setting the value of this option to `true` increases the output performance.

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

segment

Default Value: `false`

Valid Values:

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

Changes Take Effect: Immediately

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.

expire

Default Value: `false`

Valid Values:

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

Changes Take Effect: Immediately

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.

Note: If an option's value is set incorrectly—out of the range of valid values— it is automatically reset to `10`.

keep-startup-fileDefault Value: `false`

Valid Values:

<code>false</code>	No startup segment of the log is kept.
<code>true</code>	A startup segment of the log is kept. The size of the segment equals the value of the <code>segment</code> option.
<code><number> KB</code>	Sets the maximum size, in kilobytes, for a startup segment of the log.
<code><number> MB</code>	Sets the maximum size, in megabytes, for a startup segment of the log.

Changes Take Effect: After restart

Specifies whether a startup segment of the log, containing the initial T-Server configuration, is to be kept. If it is, this option can be set to `true` or to a specific size. If set to `true`, the size of the initial segment is equal to the size of the regular log segment defined by the `segment` option. The value of this option is ignored if segmentation is turned off (that is, if the `segment` option set to `false`).

Note: This option applies only to T-Servers.

messagefile

Default Value: As specified by a particular application

Valid Values: `<string>.lms` (message file name)Changes Take Effect: Immediately, if an application cannot find its `*.lms` file at startup

Specifies the file name for application-specific log events. The name must be valid for the operating system on which the application is running. The option value can also contain the absolute path to the application-specific `*.lms` file. Otherwise, an application looks for the file in its working directory.

Warning! An application that does not find its `*.lms` file at startup cannot generate application-specific log events and send them to Message Server.

message_formatDefault Value: `short`

Valid Values:

<code>short</code>	An application uses compressed headers when writing log records in its log file.
<code>full</code>	An application uses complete headers when writing log records in its log file.

Changes Take Effect: Immediately

Specifies the format of log record headers that an application uses when writing logs in the log file. Using compressed log record headers improves the application performance and reduces the log file's size.

With the value set to short:

- A header of the log file or the log file segment contains the information about the application (such as the application name, application type, host type, and time zone), whereas single log records within the file or segment omit this information.
- A log message priority is abbreviated to Std, Int, Trc, or Dbg, for Standard, Interaction, Trace, or Debug messages, respectively.
- The message ID does not contain the prefix GCTI or the application type ID.

A log record in the full format looks like this:

```
2002-05-07T18:11:38.196 Standard localhost cfg_dbserver GCTI-00-05060
Application started
```

A log record in the short format looks like this:

```
2002-05-07T18:15:33.952 Std 05060 Application started
```

Note: Whether the full or short format is used, time is printed in the format specified by the `time_format` option.

time_convert

Default Value: Local

Valid Values:

- | | |
|-------|--|
| local | The time of log record generation is expressed as a local time, based on the time zone and any seasonal adjustments. The time zone information of the application's host computer is used. |
| utc | The time of log record generation is expressed as Coordinated Universal Time (UTC). |

Changes Take Effect: Immediately

Specifies the system in which an application calculates the log record time when generating a log file. The time is converted from the time in seconds since the Epoch (00:00:00 UTC, January 1, 1970).

time_format

Default Value: time

Valid Values:

- | | |
|---------|--|
| time | The time string is formatted according to the HH:MM:SS.sss (hours, minutes, seconds, and milliseconds) format. |
| locale | The time string is formatted according to the system's locale. |
| ISO8601 | The date in the time string is formatted according to the ISO 8601 format. Fractional seconds are given in milliseconds. |

Changes Take Effect: Immediately

Specifies how to represent, in a log file, the time when an application generates log records.

A log record's time field in the ISO 8601 format looks like this:

```
2001-07-24T04:58:10.123
```

print-attributes

Default Value: `false`

Valid Values:

`true` Attaches extended attributes, if any exist, to a log event sent to log output.

`false` Does not attach extended attributes to a log event sent to log output.

Changes Take Effect: Immediately

Specifies whether the application attaches extended attributes, if any exist, to a log event that it sends to log output. Typically, log events of the Interaction log level and Audit-related log events contain extended attributes. Setting this option to `true` enables the audit capabilities, but negatively affects performance. Genesys recommends enabling this option for Solution Control Server and Configuration Server when using audit tracking. For other applications, refer to *Genesys 8.x Combined Log Events Help* to find out whether an application generates Interaction-level and Audit-related log events; if it does, enable the option only when testing new interaction scenarios.

check-point

Default Value: `1`

Valid Values: `0–24`

Changes Take Effect: Immediately

Specifies, in hours, how often the application generates a check point log event, to divide the log into sections of equal time. By default, the application generates this log event every hour. Setting the option to `0` (zero) prevents the generation of check-point events.

memory

Default Value: No default value

Valid Values: `<string>` (memory file name)

Changes Take Effect: Immediately

Specifies the name of the file to which the application regularly prints a snapshot of the memory output, if it is configured to do this (see “Log Output Options” on [page 8](#)). The new snapshot overwrites the previously written data. If the application terminates abnormally, this file contains the latest log

messages. Memory output is not recommended for processors with a CPU frequency lower than 600 MHz.

Note: If the file specified as the memory file is located on a network drive, an application does not create a snapshot file (with the extension `*.memory.log`).

memory-storage-size

Default Value: 2 MB

Valid Values:

`<number> KB` or `<number>` The size of the memory output, in kilobytes.
The minimum value is 128 KB.

`<number> MB` The size of the memory output, in megabytes.
The maximum value is 64 MB.

Changes Take Effect: When memory output is created

Specifies the buffer size for log output to the memory, if configured. See also “Log Output Options” on [page 8](#).

spool

Default Value: The application’s working directory

Valid Values: `<path>` (the folder, with the full path to it)

Changes Take Effect: Immediately

Specifies the folder, including full path to it, in which an application creates temporary files related to the network log output. If you change this option value while the application is running, the change does not affect the currently open network output.

compatible-output-priority

Default Value: `false`

Valid Values:

`true` The log of the level specified by “Log Output Options” is sent to the specified output.

`false` The log of the level specified by “Log Output Options” and higher levels is sent to the specified output.

Changes Take Effect: Immediately

Specifies whether the application uses 6.x output logic. For example, you configure the following options in the log section for a 6.x application and for a 7.x application:

```
[log]
verbose = all
debug = file1
standard = file2
```

The log file content of a 6.x application is as follows:

- `file1` contains Debug messages only.
- `file2` contains Standard messages only.

The log file content of a 7.x application is as follows:

- `file1` contains Debug, Trace, Interaction, and Standard messages.
- `file2` contains Standard messages only.

If you set `compatible-output-priority` to `true` in the 7.x application, its log file content will be the same as for the 6.x application.

Warning! Genesys does not recommend changing the default value of this option unless you have specific reasons to use the 6.x log output logic—that is, to mimic the output priority as implemented in releases 6.x. Setting this option to `true` affects log consistency.

Log Output Options

To configure log outputs, set log level options (`all`, `alarm`, `standard`, `interaction`, `trace`, and/or `debug`) to the desired types of log output (`stdout`, `stderr`, `network`, `memory`, and/or `[filename]`, for log file output).

You can use:

- One log level option to specify different log outputs.
- One log output type for different log levels.
- Several log output types simultaneously, to log events of the same or different log levels.

You must separate the log output types by a comma when you are configuring more than one output for the same log level. See “Examples” on [page 12](#).

Warnings!

- If you direct log output to a file on the network drive, an application does not create a snapshot log file (with the extension `*.snapshot.log`) in case it terminates abnormally.
- Directing log output to the console (by using the `stdout` or `stderr` settings) can affect application performance. Avoid using these log output settings in a production environment.

Note: The log output options are activated according to the setting of the `verbose` configuration option.

all

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>network</code>	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 <code>all</code> log level option to the <code>network</code> 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.
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

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
```

Note: To ease the troubleshooting process, consider using unique names for log files that different applications generate.

alarm

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>network</code>	Log events are sent to Message Server, which resides anywhere on the network, and Message Server stores the log events in the Log Database.
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

Specifies the outputs to which an application sends the log events of the Alarm level. The log output types must be separated by a comma when more than one output is configured. For example:

```
standard = stderr, network
```

standard

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>network</code>	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database.
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

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
```

interaction

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>network</code>	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database.
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

Specifies the outputs to which an application sends the log events of the Interaction level and higher (that is, log events of the Standard and Interaction levels). The log outputs must be separated by a comma when more than one output is configured. For example:

```
interaction = stderr, network
```

trace

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>network</code>	Log events are sent to Message Server, which can reside anywhere on the network. Message Server stores the log events in the Log Database.
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

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
```

debug

Default Value: No default value

Valid Values (log output types):

<code>stdout</code>	Log events are sent to the Standard output (<code>stdout</code>).
<code>stderr</code>	Log events are sent to the Standard error output (<code>stderr</code>).
<code>memory</code>	Log events are sent to the memory output on the local disk. This is the safest output in terms of the application performance.
<code>[filename]</code>	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

Specifies the outputs to which an application sends the log events of the Debug level and higher (that is, log events of the Standard, Interaction, Trace, and Debug levels). The log output types must be separated by a comma when more than one output is configured—for example:

```
debug = stderr, /usr/local/genesys/logfile
```

Note: Debug-level log events are never sent to Message Server or stored in the Log Database.

Log File Extensions

You can use the following file extensions to identify log files that an application creates for various types of output:

- `*.log`—Assigned to log files when you configure output to a log file. For example, if you set `standard = confservlog` for Configuration Server, it prints log messages into a text file called `confservlog.<time_stamp>.log`.
- `*.qsp`—Assigned to temporary (spool) files when you configure output to the network but the network is temporarily unavailable. For example, if you set `standard = network` for Configuration Server, it prints log messages into a file called `confserv.<time_stamp>.qsp` during the time the network is not available.
- `*.snapshot.log`—Assigned to files that contain the output snapshot when you configure output to a log file. The file contains the last log messages that an application generates before it terminates abnormally. For example, if you set `standard = confservlog` for Configuration Server, it prints the last log message into a file called `confserv.<time_stamp>.snapshot.log` in case of failure.

Note: Provide `*.snapshot.log` files to Genesys Customer Care when reporting a problem.

- `*.memory.log`—Assigned to log files that contain the memory output snapshot when you configure output to memory and redirect the most recent memory output to a file. For example, if you set `standard = memory` and `memory = confserv` for Configuration Server, it prints the latest memory output to a file called `confserv.<time_stamp>.memory.log`.

Examples

This section presents examples of a log section that you might configure for an application when that application is operating in production mode and in two lab modes, debugging and troubleshooting.

Production Mode Log Section

```
[log]
verbose = standard
standard = network, logfile
```

With this configuration, an application only generates the log events of the Standard level and sends them to Message Server, and to a file named `logfile`, which the application creates in its working directory. Genesys recommends that you use this or a similar configuration in a production environment.

Warning! Directing log output to the console (by using the `stdout` or `stderr` settings) can affect application performance. Avoid using these log output settings in a production environment.

Lab Mode Log Section

```
[log]
verbose = all
all = stdout, /usr/local/genesys/logfile
trace = network
```

With this configuration, an application generates log events of the Standard, Interaction, Trace, and Debug levels, and sends them to the standard output and to a file named `logfile`, which the application creates in the `/usr/local/genesys/` directory. In addition, the application sends log events of the Standard, Interaction, and Trace levels to Message Server. Use this configuration to test new interaction scenarios in a lab environment.

Failure-Troubleshooting Log Section

```
[log]
verbose = all
standard = network
all = memory
memory = logfile
memory-storage-size = 32 MB
```

With this configuration, an application generates log events of the Standard level and sends them to Message Server. It also generates log events of the Standard, Interaction, Trace, and Debug levels, and sends them to the memory output. The most current log is stored to a file named `logfile`, which the application creates in its working directory. Increased memory storage allows an application to save more of the log information generated before a failure.

Note: If you are running an application on UNIX, and you do not specify any files in which to store the memory output snapshot, a core file that the application produces before terminating contains the most current application log. Provide the application's core file to Genesys Customer Care when reporting a problem.

Debug Log Options

The options in this section enable you to generate Debug logs containing information about specific operations of an application.

x-conn-debug-open

Default Value: 0

Valid Values:

- 0 Log records are not generated.
- 1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about “open connection” operations of the application.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-select

Default Value: 0

Valid Values:

0 Log records are not generated.

1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about “socket select” operations of the application.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-timers

Default Value: 0

Valid Values:

0 Log records are not generated.

1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about the timer creation and deletion operations of the application.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-write

Default Value: 0

Valid Values:

0 Log records are not generated.

1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about “write” operations of the application.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-security

Default Value: 0

Valid Values:

- 0 Log records are not generated.
- 1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about security-related operations, such as Transport Layer Security and security certificates.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-api

Default Value: 0

Valid Values:

- 0 Log records are not generated.
- 1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about connection library function calls.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-dns

Default Value: 0

Valid Values:

- 0 Log records are not generated.
- 1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about DNS operations.

Warning! Use this option only when requested by Genesys Customer Care.

x-conn-debug-all

Default Value: 0

Valid Values:

- 0 Log records are not generated.
- 1 Log records are generated.

Changes Take Effect: After restart

Generates Debug log records about open connection, socket select, timer creation and deletion, write, security-related, and DNS operations, and connection library function calls. This option is the same as enabling or disabling all of the previous x-conn-debug-`<op type>` options.

Warning! Use this option only when requested by Genesys Customer Care.

log-extended Section

This section must be called `log-extended`.

level-reassign-`<eventID>`

Default Value: Default value of log event `<eventID>`

Valid Values:

<code>alarm</code>	The log level of log event <code><eventID></code> is set to <code>Alarm</code> .
<code>standard</code>	The log level of log event <code><eventID></code> is set to <code>Standard</code> .
<code>interaction</code>	The log level of log event <code><eventID></code> is set to <code>Interaction</code> .
<code>trace</code>	The log level of log event <code><eventID></code> is set to <code>Trace</code> .
<code>debug</code>	The log level of log event <code><eventID></code> is set to <code>Debug</code> .
<code>none</code>	Log event <code><eventID></code> is not recorded in a log.

Changes Take Effect: Immediately

Specifies a log level for log event `<eventID>` that is different than its default level, or disables log event `<eventID>` completely. If no value is specified, the log event retains its default level. This option is useful when you want to customize the log level for selected log events.

These options can be deactivated with the option [level-reassign-disable](#).

Warning! Use caution when making these changes in a production environment.

Depending on the log configuration, changing the log level to a higher priority may cause the log event to be logged more often or to a greater number of outputs. This could affect system performance.

Likewise, changing the log level to a lower priority may cause the log event to be not logged at all, or to be not logged to specific outputs, thereby losing important information. The same applies to any alarms associated with that log event.

In addition to the preceding warning, take note of the following:

- Logs can be customized only by release 7.6 or later applications.
- When the log level of a log event is changed to any level except `none`, it is subject to the other settings in the `[log]` section at its new level. If set to `none`, it is not logged and is therefore not subject to any log configuration.
- Using this feature to change the log level of a log changes only its priority; it does not change how that log is treated by the system. For example, increasing the priority of a log to `Alarm` level does not mean that an alarm will be associated with it.

- Each application in a High Availability (HA) pair can define its own unique set of log customizations, but the two sets are not synchronized with each other. This can result in different log behavior depending on which application is currently in primary mode.
- This feature is not the same as a similar feature in Universal Routing Server (URS) release 7.2 or later. In this Framework feature, the priority of log events are customized. In the URS feature, the priority of debug messages only are customized. Refer to the *Universal Routing Reference Manual* for more information about the URS feature.
- You cannot customize any log event that is not in the unified log record format. Log events of the Alarm, Standard, Interaction, and Trace levels feature the same unified log record format.

Example

This is an example of using customized log level settings, subject to the following log configuration:

```
[log]
verbose=interaction
all=stderr
interaction=log_file
standard=network
```

Before the log levels of the log are changed:

- Log event 1020, with default level standard, is output to stderr and log_file, and sent to Message Server.
- Log event 2020, with default level standard, is output to stderr and log_file, and sent to Message Server.
- Log event 3020, with default level trace, is output to stderr.
- Log event 4020, with default level debug, is output to stderr.

Extended log configuration section:

```
[log-extended]
level-reassign-1020=none
level-reassign-2020=interaction
level-reassign-3020=interaction
level-reassign-4020=standard
```

After the log levels are changed:

- Log event 1020 is disabled and not logged.
- Log event 2020 is output to stderr and log_file.
- Log event 3020 is output to stderr and log_file.
- Log event 4020 is output to stderr and log_file, and sent to Message Server.

level-reassign-disable

Default Value: `false`

Valid Values: `true`, `false`

Changes Take Effect: Immediately

When this option is set to `true`, the original (default) log level of all log events in the `[log-extended]` section are restored. This option is useful when you want to use the default levels, but not delete the customization statements.

log-filter Section

The `log-filter` section contains configuration options used to define the default treatment of filtering data in log output. This section contains one configuration option, `default-filter-type`. Refer to the chapter “Hide Selected Data in Logs” in the *Genesys 8.x Security Deployment Guide* for complete information about this option.

log-filter-data Section

The `log-filter-data` section contains configuration options used to define the treatment of filtering data in log output on a key-by-key basis. This section contains one configuration option in the form of `<key name>`. Refer to the chapter “Hide Selected Data in Logs” in the *Genesys 8.x Security Deployment Guide* for complete information about this option.

security Section

The `security` section contains configuration options used to specify security elements for your system. In addition to other options that may be required by your application, this section contains the configuration option `disable-rbac`, which is used to enable or disable Role-Based Access Control for an application. Refer to the chapter “Role-Based Access Control” in the *Genesys 8.x Security Deployment Guide* for complete information about this option.

sml Section

This section must be called `sml`.

Options in this section are defined in the Annex of the `Application` object, as follows:

- in Genesys Administrator—`Application` object > `Options` tab > `Advanced View` (Annex)

- in Configuration Manager— Application object > Properties dialog box > Annex tab

Warning! Use the first three options in this section ([heartbeat-period](#), [heartbeat-period-thread-class-<n>](#), and [hangup-restart](#)) with great care, and only with those applications of which support for this functionality has been announced. Failure to use these options properly could result in unexpected behavior, from ignoring the options to an unexpected restart of the application.

heartbeat-period

Default Value: None

Valid Values:

0 This method of detecting an unresponsive application is not used by this application.

3-604800 Length of timeout, in seconds; equivalent to 3 seconds–7 days.

Changes Take Effect: Immediately

Specifies the maximum amount of time, in seconds, in which heartbeat messages are expected from an application. If Local Control Agent (LCA) does not receive a heartbeat message from the application within this period, it assumes the application is not responding and carries out corrective action.

This option can also be used to specify the maximum heartbeat interval for threads registered with class zero (0). This thread class is reserved for use by the Management Layer only.

If this option is not configured, or it is set to zero (0), heartbeat detection is not used by this application.

heartbeat-period-thread-class-<n>

Default Value: None

Valid Values:

0 Value specified by [heartbeat-period](#) in application is used.

3-604800 Length of timeout, in seconds; equivalent to 3 seconds–7 days.

Changes Take Effect: Immediately

Specifies the maximum amount of time, in seconds, in which heartbeat messages are expected from a thread of class <n> registered by an application. If a heartbeat message from the thread is not received within this period, the thread is assumed to be not responding, and therefore, the application is unable to provide service.

If this option is not configured or is set to zero (0), but the application has registered one or more threads of class <n>, the value specified by the value of [heartbeat-period](#) for the application will also be applied to these threads.

Refer to application-specific documentation to determine what thread classes, if any, are used.

hangup-restart

Default Value: `true`

Valid Values: `true`, `false`

Changes Take Effect: Immediately

If set to `true` (the default), specifies that LCA is to restart the unresponsive application immediately, without any further interaction from Solution Control Server.

If set to `false`, specifies that LCA is only to generate a notification that the application has stopped responding.

suspending-wait-timeout

Default Value: `10`

Valid Values: `5-600`

Changes Take Effect: Immediately

Specifies a timeout (in seconds) after the `Stop Graceful` command is issued to an application during which the status of the application should change to `Suspending` if the application supports graceful shutdown. If the status of the application does not change to `Suspending` before the timeout expires, it is assumed that the application does not support graceful shutdown, and it is stopped ungracefully.

Use this option if you are unsure whether the Application supports graceful shutdown.

Note: Genesys recommends that you do not set this option for any Management Layer component (Configuration Server, Message Server, Solution Control Server, or SNMP Master Agent) or any DB Server. These components by definition do not support graceful shutdown, so this option is not required.

common Section

This section must be called `common`.

enable-async-dns

Default Value: `off`

Valid Values:

`off` Disables asynchronous processing of DNS requests.
`on` Enables asynchronous processing of DNS requests.

Changes Take Effect: Immediately

Enables the asynchronous processing of DNS requests such as, for example, host-name resolution.

-
- Warnings!**
- Use this option only when requested by Genesys Customer Care.
 - Use this option only with T-Servers.
-

rebind-delay

Default Value: `10`

Valid Values: `0-600`

Changes Take Effect: After restart

Specifies the delay, in seconds, between socket-bind operations that are being executed by the server. Use this option if the server has not been able to successfully occupy a configured port.

Warning! Use this option only when requested by Genesys Customer Care.
