



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

Stat Server

overload

5/2/2025

overload

This section is defined on the Options tab of the Stat Server Application object and has to be named overload.

- [allow-new-connections-during-overload](#)
- [allow-new-requests-during-overload](#)
- [cpu-cooldown-cycles](#)
- [cpu-poll-timeout](#)
- [cpu-threshold-high](#)
- [cpu-threshold-low](#)
- [cut-debug-log](#)
- [protection](#)
- [qos-default-overload-policy](#)
- [qos-recovery-enable-lms-messages](#)

allow-new-connections-during-overload

Default Value: true

Valid Values: true, false

Changes Take Effect: Immediately

Introduced: 8.5.108

Controls whether new clients can connect during the Stat Server overload.

allow-new-requests-during-overload

Default Value: true

Valid Values: true, false

Changes Take Effect: Immediately

Introduced: 8.5.108

Controls whether new requests can be made during the Stat Server overload.

cpu-cooldown-cycles

Default Value: 30

Valid Values: 1-100

Changes Take Effect: After restart

Introduced: 8.5.108

Defines the number of [cpu-poll-timeout](#) cycles in a cooldown period.

For example, if the `cpu-poll-timeout` = 10sec and `cpu-cooldown-cycles` = 30, then the cooldown period is $10 \times 30 = 300$ sec. It means that the main thread CPU should be below the value of the `cpu-threshold-low` option for 300sec, after this period overload recovery is considered to be over.

cpu-poll-timeout

Default Value: 10
Valid Values: 1-60
Changes Take Effect: After restart
Introduced: 8.5.108

Defines, in seconds, how often the main thread CPU is polled.

cpu-threshold-high

Default Value: 80
Valid Values: 0-100
Changes Take Effect: After restart
Introduced: 8.5.108

Defines the higher level of the main thread CPU utilization threshold, which signifies the start of the Stat Server overload.

cpu-threshold-low

Default Value: 60
Valid Values: 0-100
Changes Take Effect: After restart
Introduced: 8.5.108

Defines the lower level of the main thread CPU utilization threshold, which signifies the start of the Stat Server recovery.

cut-debug-log

Default Value: true
Valid Values: true, false
Changes Take Effect: Immediately
Introduced: 8.5.108

Controls debug logging in the overload. If set to true, the debug log is cut during the Stat Server overload.

protection

Default Value: false

overload

Valid Values: true, false
Changes Take Effect: Immediately
Introduced: 8.5.108

Controls whether the overload protection is applied during the Stat Server overload.

qos-default-overload-policy

Default Value: 0
Valid Values: 0, 1, 2
Changes Take Effect: After restart
Introduced: 8.5.108

Defines the global overload policy.

If this option is set to:

- 0 (zero) - sends and updates for requested statistics can be cut
- 1 - only sends of statistics to Stat Server clients can be cut
- 2 - nothing can be cut. Stat Server updates and sends all requested statistics.

qos-recovery-enable-lms-messages

Default Value: false
Valid Values: true, false
Changes Take Effect: After restart
Introduced: 8.5.108

Enables Standard recovery related log messages, which are introduced for debugging purpose:

10072 "GCTI_SS_OVERLOAD_RECOVERY_STARTED - Overload recovery started on %s (%d current CPU usage)"

10073 "GCTI_SS_OVERLOAD_RECOVERY_FAILED - Overload recovery failed on %s (%d current CPU usage)".