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Stat Server

overload

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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](#)
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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)".