



show rlf

This chapter includes the **show rlf** command output tables.

- [show rlf-template all](#), on page 1
- [show rlf-template name](#), on page 2
- [show rlf-context-statistics diamproxy verbose](#) , on page 2
- [show rlf-memcache-statistics diamproxy](#) , on page 3

show rlf-template all

Table 1: show rlf-template all Command Output Descriptions

| Field | Description |
|---------------------------|--|
| RLF-Template | The name of the configured RLF Template. |
| Transactions Per Second | Indicates the configured Transactions Per Second (TPS) i.e. the number of messages that can be processed per second. |
| Burst Size | Indicates the configured maximum number of messages (burst) that can be sent out together, at an instant of time. |
| Thresholds (Upper-Lower) | Indicates the configured threshold for rate-limiting the outgoing messages. |
| Delay Tolerance | Indicates the configured maximum number of seconds the messages can be queued before it is processed. |
| Total RLF Templates Found | Indicates the total number of RLF templates being configured. |

show rlf-template name

Table 2: show rlf-template name Command Output Descriptions

| Field | Description |
|--------------------------|--|
| Transactions Per Second | Indicates the configured Transactions Per Second (TPS) i.e. the number of messages that can be processed per second. |
| Burst Size | Indicates the configured maximum number of messages (burst) that can be sent out together, at an instant of time. |
| Thresholds (Upper-Lower) | Indicates the configured threshold for rate-limiting the outgoing messages. |
| Delay Tolerance | Indicates the configured maximum number of seconds the messages can be queued before it is processed. |

show rlf-context-statistics diamproxy verbose

Table 3: show rlf-context-statistics diamproxy verbose Command Output Descriptions

| Field | Description |
|--------------------------|--|
| RLF Context Stats | The name of the context for which the RLF statistics is collected. |
| Template Name | The name of the configured RLF template. |
| Configured TPS | Indicates the configured Transactions Per Second (TPS) for throttling. |
| State | Indicates the current state of the RLF context. |
| Storage | Indicates the method of access to messages. |
| Direction | Indicates the traffic direction. |
| Active Duration In Sec | Total active time since RLF context was created. |
| Current Queue Size | Indicates the outstanding messages in the RLF queue. |
| Average TPS | This is the sum average TPS since RLF became active. |
| Trend TPS | Indicates the trend TPS value for the configured context. |
| Maximum TPS | Indicates the maximum TPS value for the configured context. |
| Minimum TPS | Indicates the minimum TPS value for the configured context. |
| Last 10 Secs Average TPS | Average value of TPS computed for the last 10 seconds. |
| Last 20 Secs Average TPS | Average value of TPS computed for the last 20 seconds. |

| Field | Description |
|--|--|
| Last 60 Secs Average TPS | Average value of TPS computed for the last 60 seconds. |
| Last 5 Mins Average TPS | Average value of TPS computed for the last 5 minutes. |
| Last 10 Mins Average TPS | Average value of TPS computed for the last 10 minutes. |
| Average executed Bypass TPS | Indicates the effective TPS when "rlf-bypass" is configured. |
| Last 10 Secs Average executed Bypass TPS | Average value of TPS computed for the last 10 seconds when RLF bypass is executed. |
| Last 30 Secs Average executed Bypass TPS | Average value of TPS computed for the last 30 seconds when RLF bypass is executed. |
| Last 60 Secs Average executed Bypass TPS | Average value of TPS computed for the last 60 seconds when RLF bypass is executed. |
| Last 5 Mins Average executed Bypass TPS | Average value of TPS computed for the last 5 minutes when RLF bypass is executed. |
| Last 10 Mins Average executed Bypass TPS | Average value of TPS computed for the last 10 minutes when RLF bypass is executed. |
| Num of times threshold exceeded | Number of times messages queued when RLF was in "OVER THRESHOLD" state. |
| Num of times queued | Number of times the messages are queued in RLF module. |
| Num of times dropped | Number of times the messages are dropped due to the RLF being full. |
| Num of times msg sent out directly | Number of times the messages that are sent directly when RLF bypass is not executed. |
| Num of times queue bypassed | Number of messages sent out when "rlf-bypass" was configured. |
| Num of times send message cb failed | Number of times the registered application callbacks failed after sending out a RLF message. |
| Num of times rlf status update cb failed | Number of times the registered application callbacks failed after sending out a RLF status update. |
| Diamproxy Instance Level Details | Shows the statistics details at each Diamproxy instance level. |

show rlf-memcache-statistics diamproxy

Table 4: show rlf-memcache-statistics diamproxy Command Output Descriptions

| Field | Description |
|-----------------------------|-------------|
| Cache Pool For RLF Messages | |

| Field | Description |
|-----------------------|--|
| Block-Size | The size of block. |
| Blocking-Factor | Number of elements in block. |
| Blocks-In-Use | Number of blocks in use. |
| Total-Blocks | Total number of elements that are currently used. |
| Free-Blocks | Total number of elements that are currently unused. |
| Frequency | Indicates how many times the memory direct allocate is used. |
| Current Memory in Use | Indicates the current memory used for direct allocation. |