

Analysis of Siteminder Policy Server SmPs Log Files

Report generated on: Wed Oct 13 10:35:03 AEDT 2021

Notes:

No notes added to report

Trace Files:

The following trace files were used to generate this report:

- smps.log

Generated using CA Siteminder Support Tool: SMPolicyTraceAnalysis :

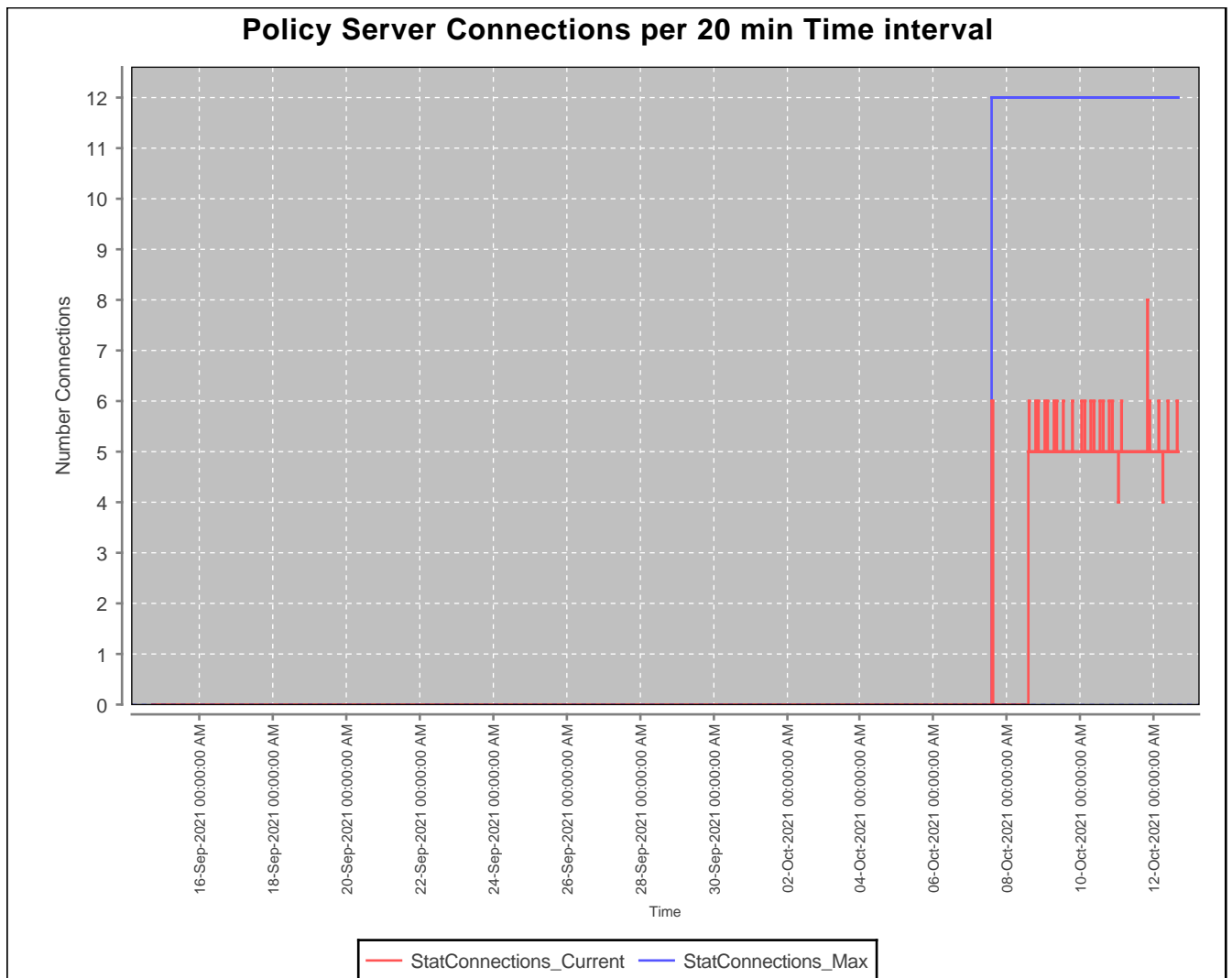
Version : 2.0.0-Beta (Build: 693)

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1. Connections & Threads

1.1. StatConnections

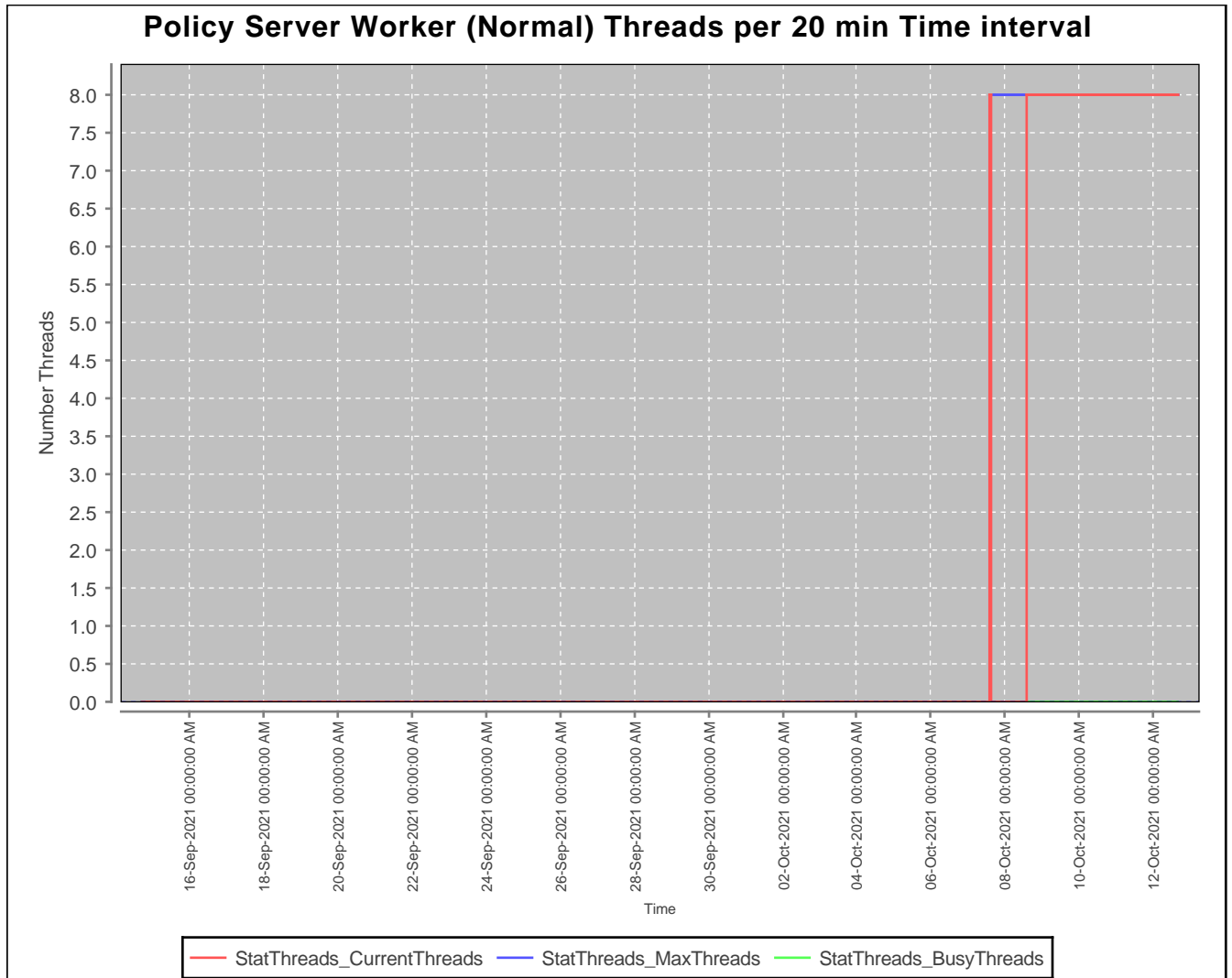
Chart : Policy Server Connections per 20 min Time interval



This graph shows the number of Agent socket connections over time

1.2. StatThreads

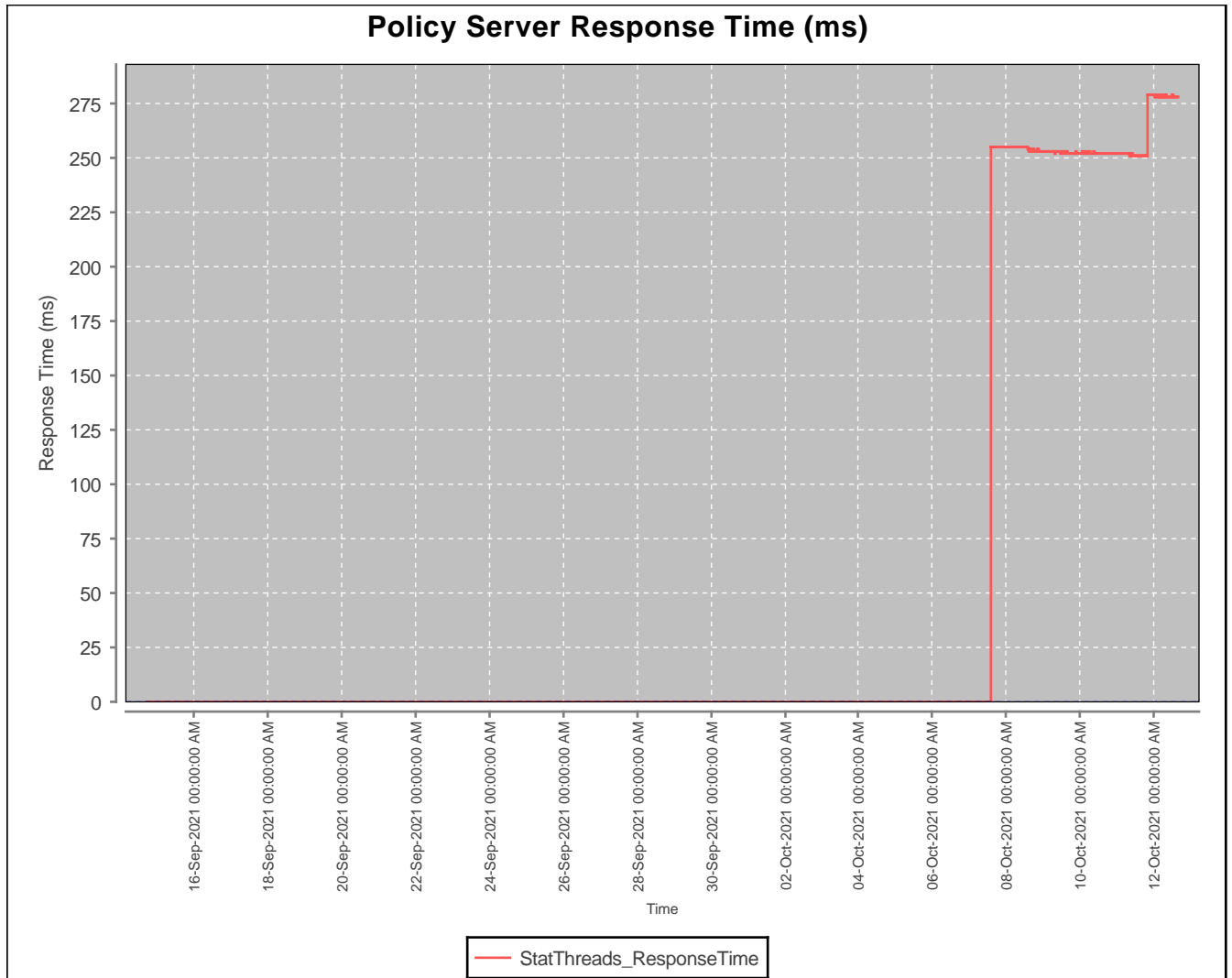
Chart : Policy Server Worker (Normal) Threads per 20 min Time interval



This graph shows the number of Normal Priority Worker Threads over time

1.3. StatsResponseTime

Chart : Policy Server Response Time (ms)

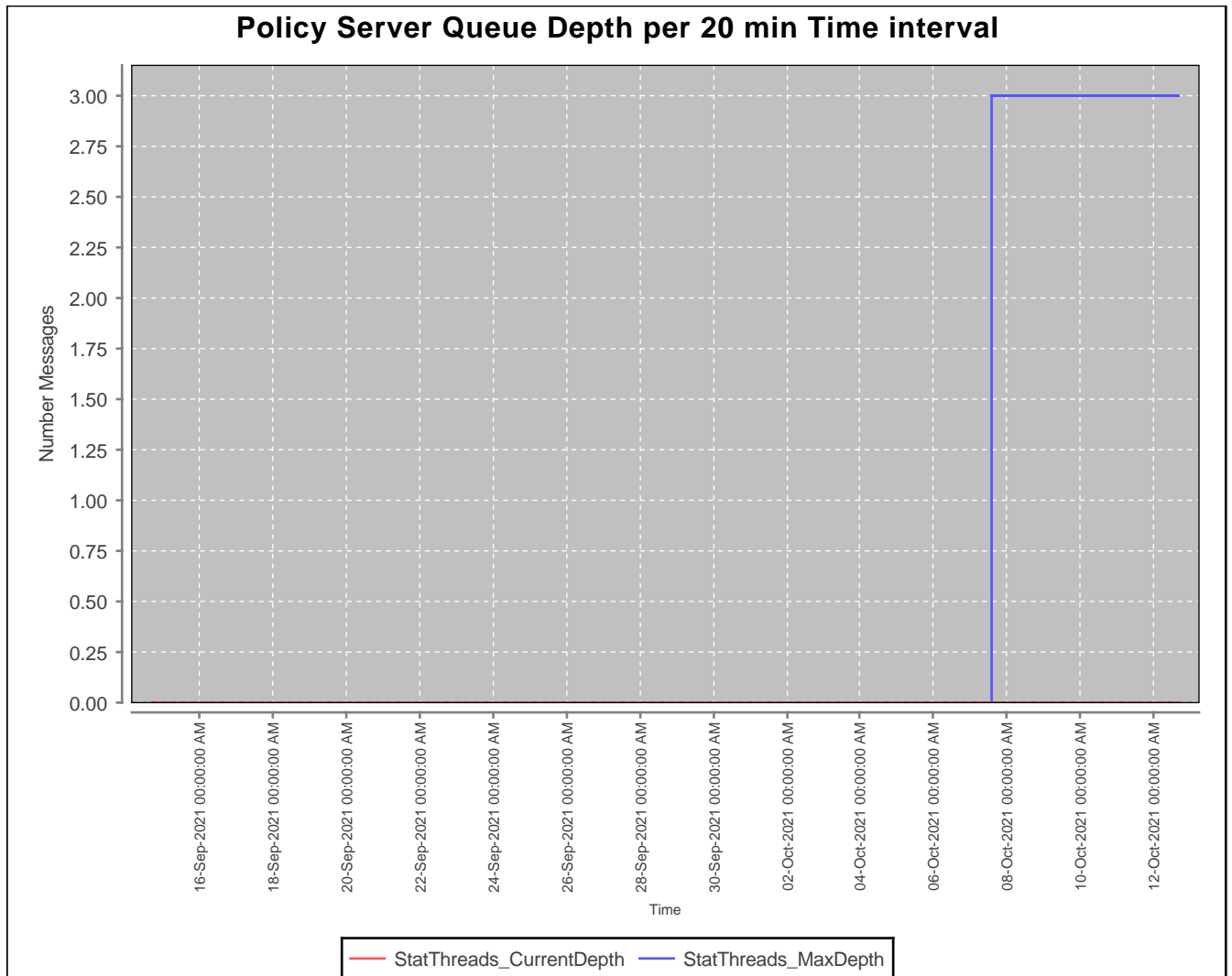


This graph shows request response time during interval.

2. Queue Depth

2.1. QueueDepthReport

Chart : Policy Server Queue Depth per 20 min Time interval

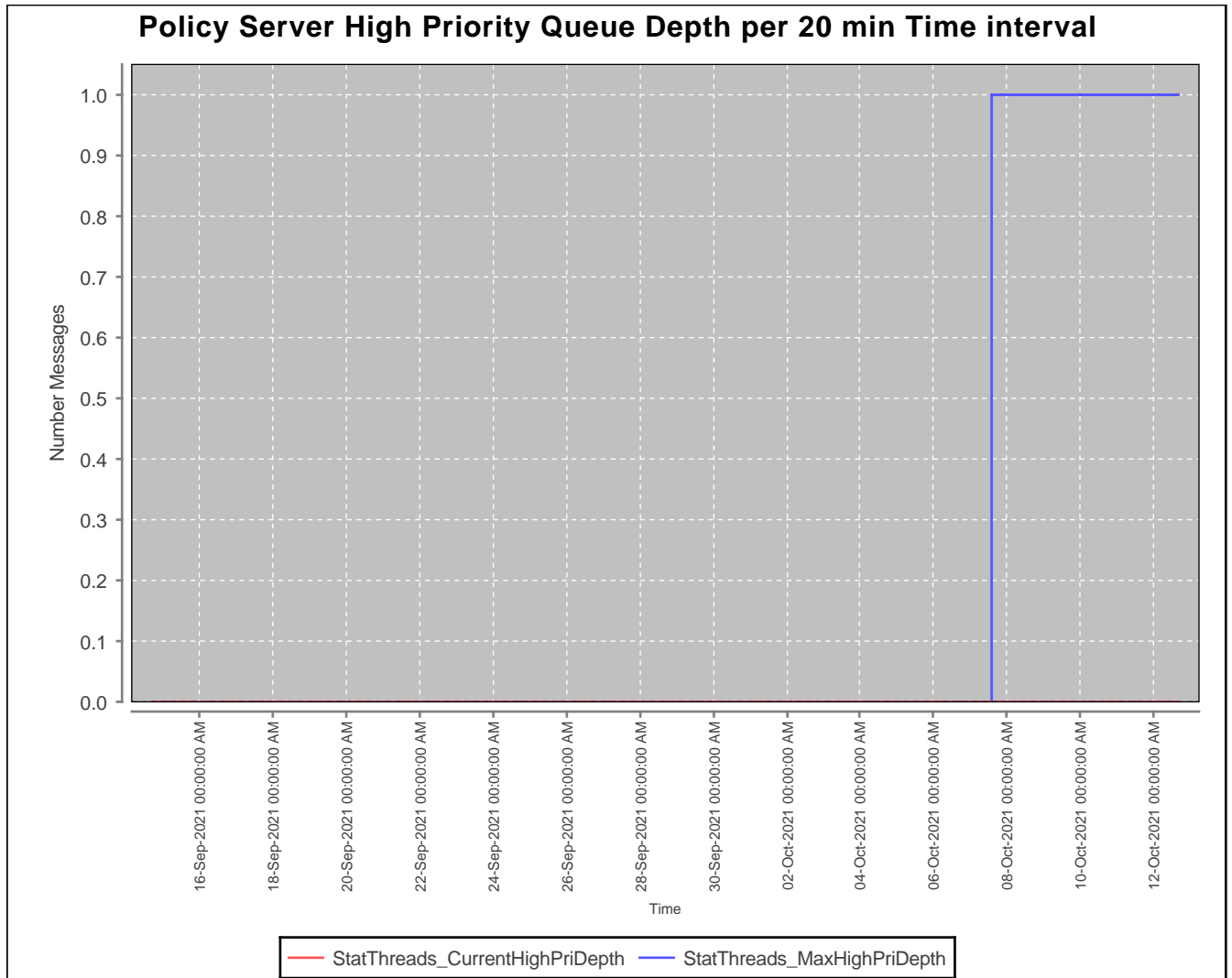


This graph shows the (overall) internal worker queue depth. When the policy server receives a request, and there is no worker thread available to handle the request immediately then the request goes onto an internal queue.

A smoothly running policy server should have an internal queue depth of 0 or 1, with some possible small spikes. Any larger value is an indication that the policy server is having trouble either with locking, or in handling the load.

2.2. HighPriQueueDepthReport

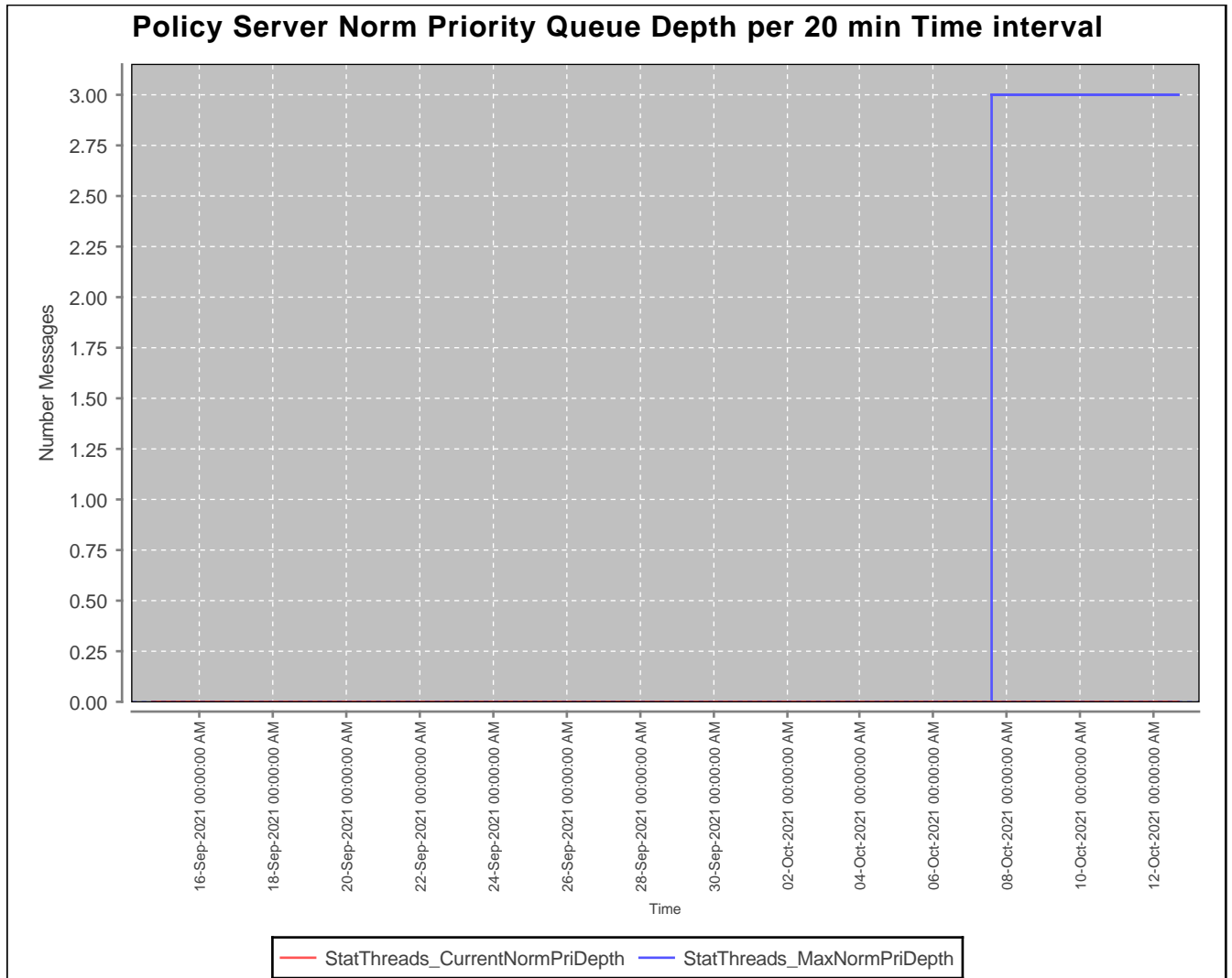
Chart : Policy Server High Priority Queue Depth per 20 min Time interval



This graph shows the High Priority internal worker queue depth depth. High priority messages are connection handshake messages, and the policy server (SM6 Sp5 CR18+) have a separate thread worker pool to handle high priority message.

2.3. NormPriQueueDepthReport

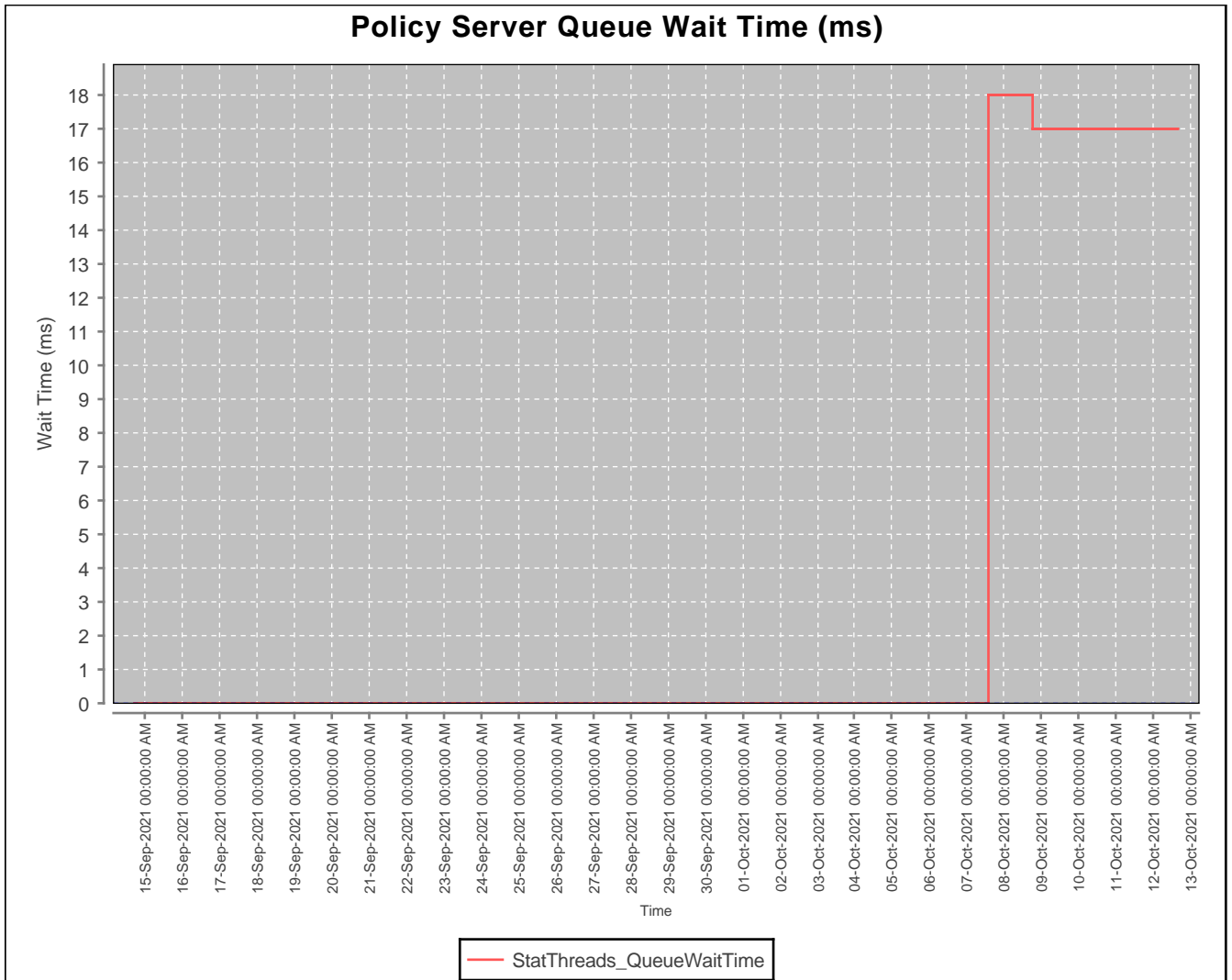
Chart : Policy Server Norm Priority Queue Depth per 20 min Time interval



This graph shows the Normal Priority internal worker queue depth depth. Normal priority messages are generally Auth and Az messages.

2.4. StatsQueueWaitTime

Chart : Policy Server Queue Wait Time (ms)

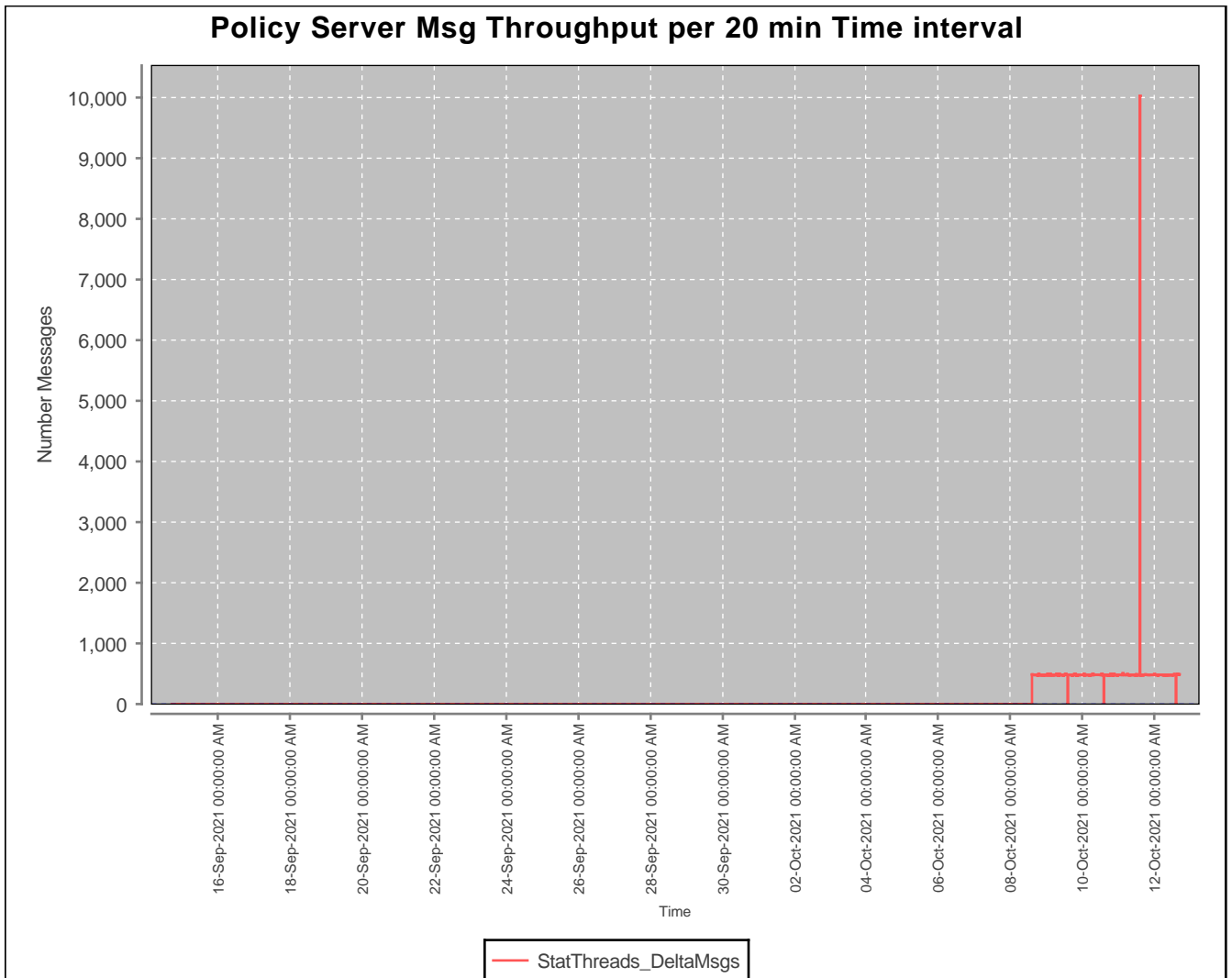


This graph shows time messages spent in the wait queue.

3. Throughput

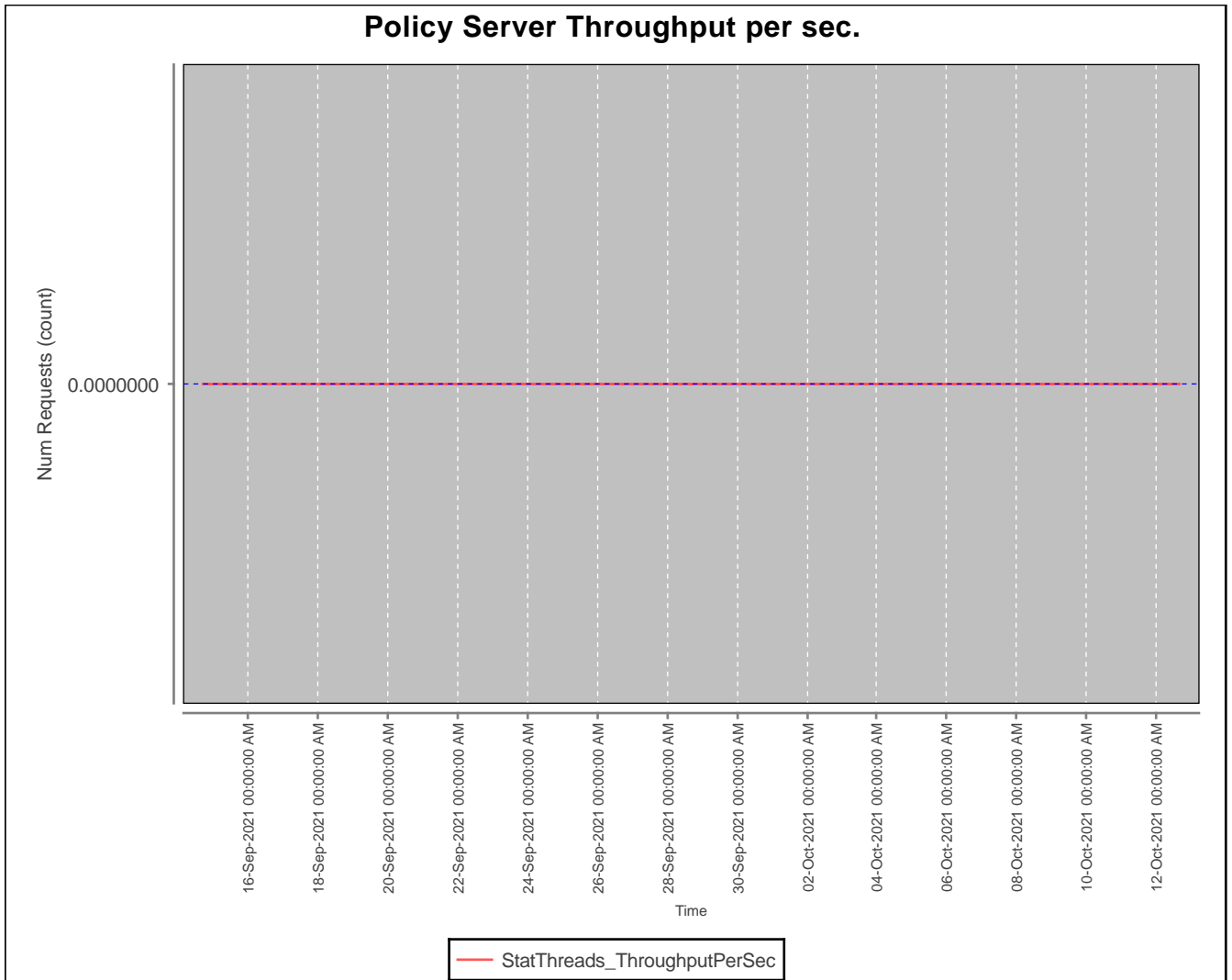
3.1. Throughput

Chart : Policy Server Msg Throughput per 20 min Time interval



3.2. StatsThroughput

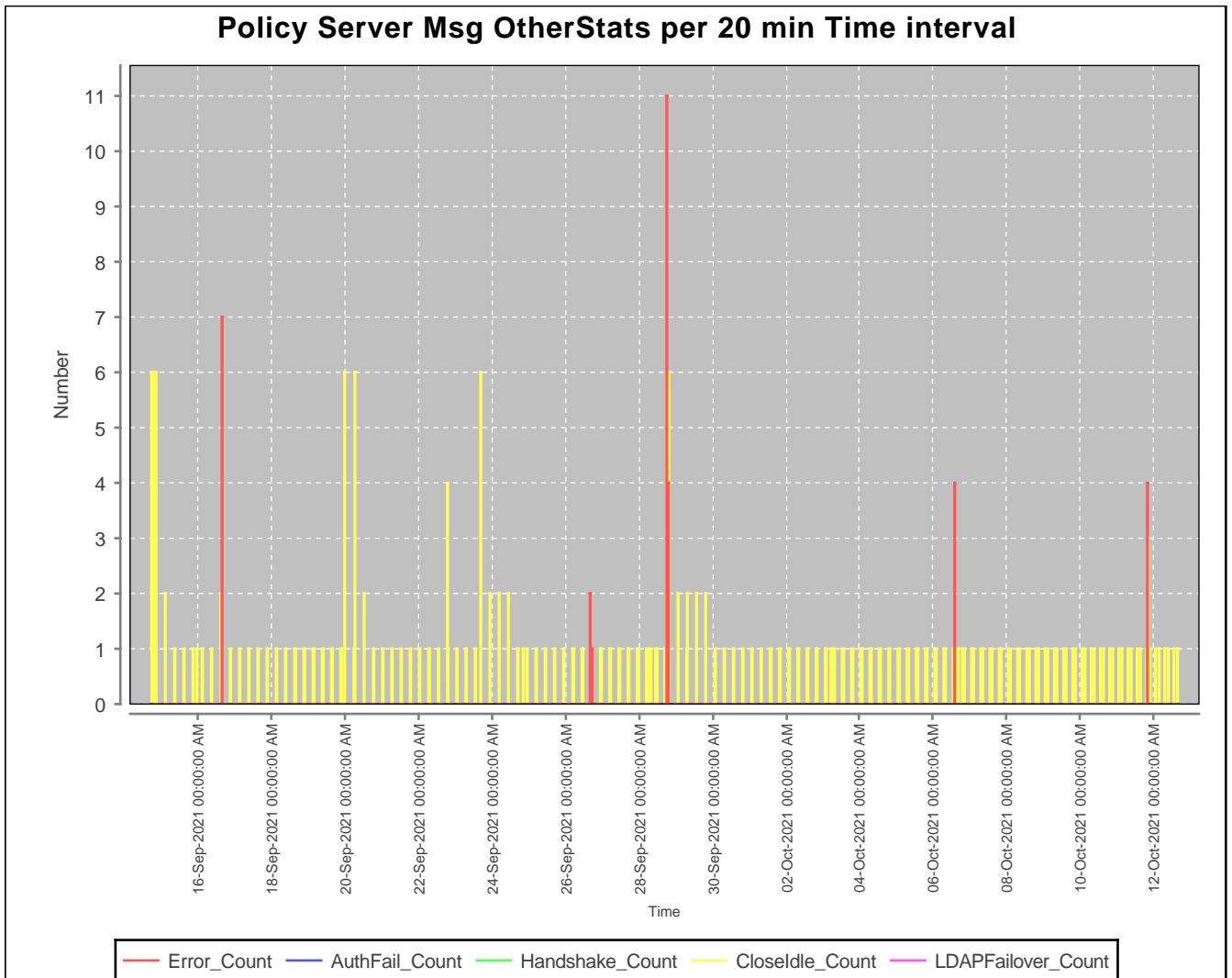
Chart : Policy Server Throughput per sec.



4. General

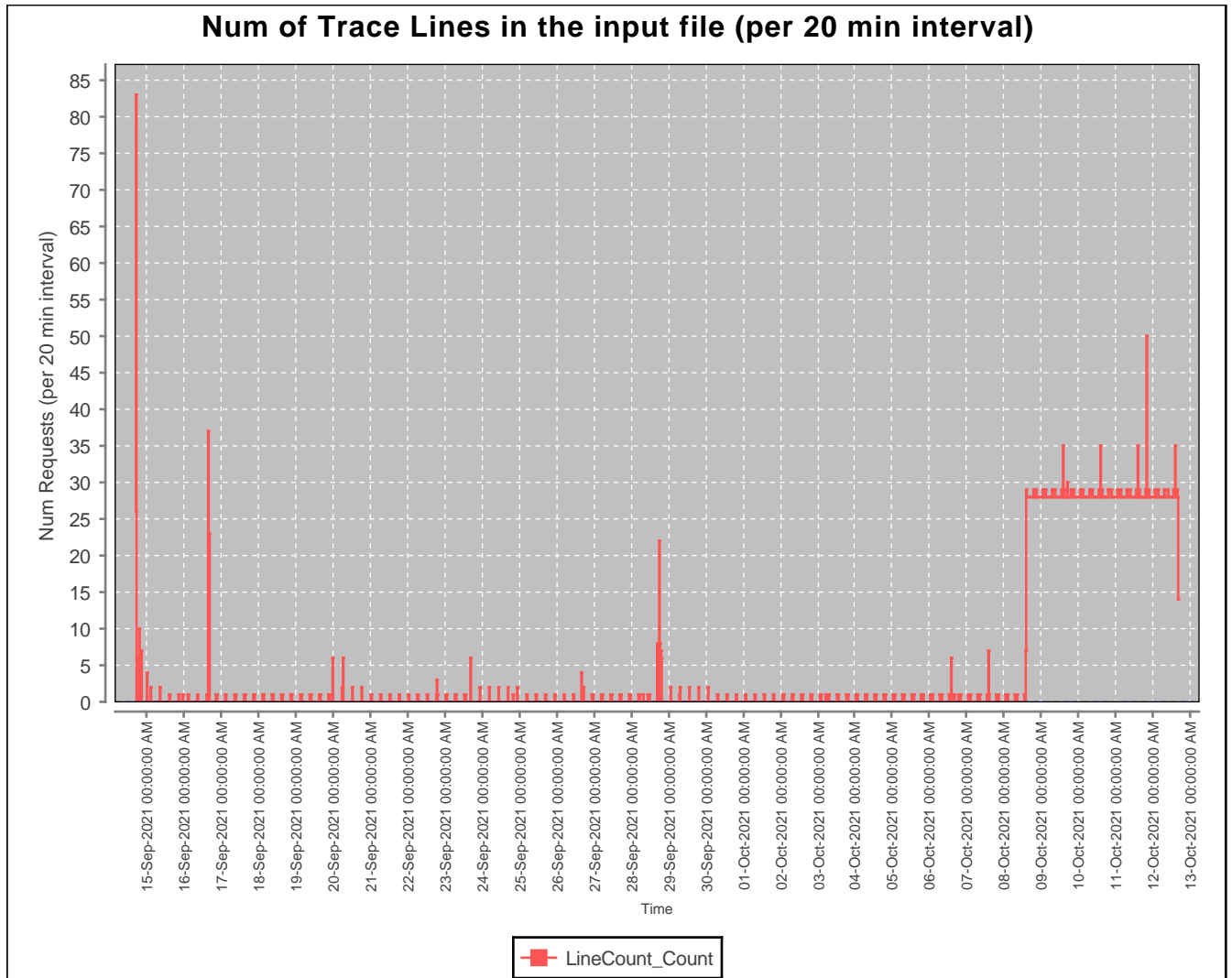
4.1. OtherStats

Chart : Policy Server Msg OtherStats per 20 min Time interval



4.2. LineCount

Chart : Num of Trace Lines in the input file (per 20 min interval)



Number of trace lines in the input for for the time period

