Test Report Summary

PetStore Performance Monitoring Metrics (Duration: ~59.39 seconds)

Additional Test Details:

Total Duration: 60 minutes

Virtual Concurrent Users: 300

Test Type: Load Test

Memory Usage:

Committed Bytes in Use: Average: 63.7%, Max: 80.97%

Available Bytes: Average: ~1.31 GB, Min: ~449 MB, Max: ~2.72 GB

Network Performance:

Bytes Received/sec: Average: ~8.13 MB/s, Max: ~15.5 MB/s

Bytes Sent/sec: Average: ~904 KB/s, Max: ~1.08 MB/s

Processor and Disk Usage:

%Processor Time: Average: ~4.2%, Max: 27.1%

%Disk Time: Average: ~8.3%, Max: 300.8%

Disk Reads/sec: Average: ~46.3, Max: ~2.86M

Disk Writes/sec: Average: ~43.5, Max: ~4.99M

Observation:

Disk utilization spikes are notable with maximum %Disk Time reaching over 300%, which may indicate potential bottlenecks during intensive operations.

Load Test Metrics (300 users, 60 minutes)

Summary:

Total Requests: 7,037,964

Failed Requests: 4 (0.00% failure rate)

Success Rate: 100%

Response Times:

Min: 25 ms

Max: ~1.11 seconds

Avg: ~33.6 ms

Percentiles:

90th Percentile: 34 ms

95th Percentile: 35 ms

99th Percentile: 257 ms

Error Details:

All 4 errors occurred during ClickOnConfirm transactions, with HTTP status 500 (Internal Server Error).

Throughput:

Network: Avg. Received: ~7.58 MiB/s, Sent: ~623 KiB/s
Hits/Second: ~1.96K req/s
Transactions Per Second (TPS): Stable at ~1.95K req/s for successful transactions.

Key Findings

Performance Monitoring:

Memory usage remains under control, though significant disk time peaks and high disk read/write operations are observed, potentially affecting performance during peak load periods.

Load Test Results:

High stability with an error-free success rate of 100%.
Minimal errors (4 occurrences) on 'ClickOnConfirm' transaction due to server-side issues (HTTP 500).

Recommendations:

1. Investigate disk utilization patterns to identify potential bottlenecks.
2. Examine server logs for ClickOnConfirm transactions to resolve HTTP 500 errors.
3. Monitor sustained network throughput and ensure system scalability for increasing load demands.