

TWEET APP – PROMETHEUS/GRAFANA SCREENSHOTS

SPRING BOOT ACTUATOR:

```
# HELP jvm_memory_max_bytes The maximum amount of memory in bytes that can be used for memory management
# TYPE jvm_memory_max_bytes gauge
jvm_memory_max_bytes{area="heap",id="PS Survivor Space",} 7348832.0
jvm_memory_max_bytes{area="heap",id="PS Old Gen",} 6.72501504E9
jvm_memory_max_bytes{area="heap",id="PS Eden Space",} 3.16669952E8
jvm_memory_max_bytes{area="nonheap",id="Metaspace",} -1.0
jvm_memory_max_bytes{area="nonheap",id="Code Cache",} 2.5165824E8
jvm_memory_max_bytes{area="nonheap",id="Compressed Class Space",} 1.073741824E9
# HELP application_ready_time_seconds Time taken (ms) for the application to be ready to service requests
# TYPE application_ready_time_seconds gauge
application_ready_time_seconds{main_application_class="com.tweetapp.tweetservice.TweetServiceApplication",} 15.304
# HELP jvm_gc_pause_seconds Time spent in GC pause
# TYPE jvm_gc_pause_seconds summary
jvm_gc_pause_seconds_count{action="end of major GC",cause="Metadatas GC Threshold",} 1.0
jvm_gc_pause_seconds_sum{action="end of major GC",cause="Metadatas GC Threshold",} 0.25
jvm_gc_pause_seconds_count{action="end of minor GC",cause="Metadatas GC Threshold",} 1.0
jvm_gc_pause_seconds_sum{action="end of minor GC",cause="Metadatas GC Threshold",} 0.032
jvm_gc_pause_seconds_count{action="end of minor GC",cause="Allocation Failure",} 2.0
jvm_gc_pause_seconds_sum{action="end of minor GC",cause="Allocation Failure",} 0.131
# HELP jvm_gc_pause_seconds_max Time spent in GC pause
# TYPE jvm_gc_pause_seconds_max gauge
jvm_gc_pause_seconds_max{action="end of major GC",cause="Metadatas GC Threshold",} 0.0
jvm_gc_pause_seconds_max{action="end of minor GC",cause="Metadatas GC Threshold",} 0.0
jvm_gc_pause_seconds_max{action="end of minor GC",cause="Allocation Failure",} 0.0
# HELP jvm_gc_memory_promoted_bytes_total Count of positive increases in the size of the old generation memory pool before GC to after GC
# TYPE jvm_gc_memory_promoted_bytes_total counter
jvm_gc_memory_promoted_bytes_total 2.488956E7
# HELP process_uptime_seconds The uptime of the Java virtual machine
# TYPE process_uptime_seconds gauge
process_uptime_seconds 1783.828
# HELP jvm_gc_memory_allocated_bytes_total Incremented for an increase in the size of the (young) heap memory pool after one GC to before the next
# TYPE jvm_gc_memory_allocated_bytes_total counter
jvm_gc_memory_allocated_bytes_total 7.46829488E8
# HELP system_load_average_1m The sum of the number of runnable entities queued to available processors and the number of runnable entities running on the available processors averaged over a period of time
# TYPE system_load_average_1m gauge
system_load_average_1m 0.0
# HELP jvm_buffer_memory_used_bytes An estimate of the memory that the Java virtual machine is using for this buffer pool
# TYPE jvm_buffer_memory_used_bytes gauge
jvm_buffer_memory_used_bytes{id="direct",} 81920.0
jvm_buffer_memory_used_bytes{id="mapped",} 0.0
# HELP executor_pool_core_threads The core number of threads for the pool
# TYPE executor_pool_core_threads gauge
executor_pool_core_threads{name="applicationTaskExecutor",} 8.0
# HELP disk_total_bytes Total space for path
# TYPE disk_total_bytes gauge
disk_total_bytes{path="/",} 2.69490393088E11
# HELP jvm_threads_live_threads The current number of live threads including both daemon and non-daemon threads
```

PROMETHEUS:

The screenshot shows the Prometheus Targets page. At the top, there are tabs for 'All', 'Unhealthy', and 'Collapse All'. A search bar is present with the text 'Filter by endpoint or labels'. Below this, two target sections are visible:

- prometheus (1/1 up)**: Shows a single target at `http://localhost:9090/metrics` with state 'UP', labels `instance="localhost:9090"` and `job="prometheus"`, last scrape at 604.000ms ago, and scrape duration of 5.457ms.
- spring-actuator (1/1 up)**: Shows a single target at `http://192.168.0.108:8090/actuator/prometheus` with state 'UP', labels `instance="192.168.0.108:8090"` and `job="spring-actuator"`, last scrape at 3.156s ago, and scrape duration of 10.933ms.

GRAFANA:

