Solr Metrics API

Retrieve all Metrics
localhost:8983/solr/admin/metrics

Retrieve Metrics for Specific Group
localhost:8983/solr/admin/metrics?group=solr.jvm

Retrieve Metrics in JSON
localhost:8983/solr/admin/metrics?wt=json
localhost:8983/solr/admin/metrics?wt=json&indent=true

JVM Metrics

Direct Buffers Info
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=buffers.direct

Mapped Buffers Info
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=buffers.mapped

Garbage Collection Info
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=gc

JVM Heap Stats
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=memory.heap

Out of Heap Memory Usage
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=memory.non-heap

Memory Pools Information
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=memory.pools

Total Memory Used
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=memory.total

Operating System Info
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=os

Threads Related Stats
localhost:8983/solr/admin/metrics?group=solr.jvm&prefix=threads

Core Or Collection Metrics

Update Handler Related Metrics
localhost:8983/solr/admin/metrics?prefix=UPDATE./update

Transaction Log Metrics
localhost:8983/solr/admin/metrics?prefix=TLOG

Replication Stats
localhost:8983/solr/admin/metrics?prefix=REPLICATION

Searcher Warmup and Creation Time Info
localhost:8983/solr/admin/metrics?prefix=SEARCHER

Default /select Handler Query Related Stats
localhost:8983/solr/admin/metrics?prefix=QUERY./select

Merges Related Info
localhost:8983/solr/admin/metrics?prefix=INDEX.merge

General Reads and Writes Info
localhost:8983/solr/admin/metrics?prefix=DIRECTORY

Solr Node Metrics

Authorization Errors
localhost:8983/solr/admin/metrics?group=solr.node&prefix=ADMIN./admin/authorization.errors

Collections API Usage Stats
localhost:8983/solr/admin/metrics?group=solr.node&prefix=ADMIN./admin/collections

ZooKeeper Communication Stats
localhost:8983/solr/admin/metrics?group=solr.node&prefix=ADMIN./admin/zookeeper

Loaded, Unloaded & Lazy Loaded Cores
localhost:8983/solr/admin/metrics?group=solr.node&prefix=CONTAINER.cores

Shard Handler Stats
localhost:8983/solr/admin/metrics?group=solr.node&prefix=QUERY.httpShardHandler

Update Shard Handler Info
localhost:8983/solr/admin/metrics?group=solr.node&prefix=UPDATE.updateShardHandler

Jetty Metrics

Number of Requests with Given Response Status
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.1xx
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.2xx
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.3xx
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.4xx
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.5xx

Aggregated Error Percentage
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-4xx-1m
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-4xx-5m
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-4xx-15m
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-5xx-1m
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-5xx-5m
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.percent-5xx-15m

HTTP Requests Related Stats
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.requests

HTTP Method Divided Stats
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.post-requests
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.put-requests
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.get-requests

Active Requests Stats
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.active

Asynchronous Requests Stats
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.async

Thread Pools Utilization
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.util.thread.QueuedThreadPool

Troubleshooting

Checking Solr Memory Usage
localhost:8983/solr/admin/metrics?prefix=memory.&wt=json&indent=true

Garbage Collection Issues
localhost:8983/solr/admin/metrics?prefix=gc.&wt=json&indent=true
localhost:8983/solr/admin/metrics?prefix=memory.pools.&wt=json&indent=true

I/O Issues
localhost:8983/solr/admin/metrics?prefix=DIRECTORY.&wt=json&indent=true
localhost:8983/solr/admin/metrics?prefix=INDEX.merge.&wt=json&indent=true
localhost:8983/solr/admin/metrics?prefix=INDEX.&wt=json&indent=true

Retrieve Transaction Log Info
localhost:8983/solr/admin/metrics?prefix=TLOG.&wt=json&indent=true

Check Direct and Mapped Memory Size
localhost:8983/solr/admin/metrics?prefix=buffers.&wt=json&indent=true

Check Number of Errors
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.4xx-responses&wt=json&indent=true
localhost:8983/solr/admin/metrics?prefix=org.eclipse.jetty.server.handler.DefaultHandler.5xx-responses&wt=json&indent=true

Check Replication Metrics
localhost:8983/solr/admin/metrics?prefix=REPLICATION.&wt=json&indent=true

Retrieve Searchers Warm-up Times
localhost:8983/solr/admin/metrics?prefix=SEARCHER.&wt=json&indent=true

Threads Related Stats
localhost:8983/solr/admin/metrics?prefix=threads.&wt=json&indent=true

Solr Monitoring, Anomaly Detection and Alerting

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