Integration

 $\bullet \ \ Instructions: \ https://apps.sematext.com/ui/howto/Spark/overview$

Metrics

| last received delay spark.batches.received.processing.delay unprocessed batches spark.batches.unprocessed Sum Long running batches spark.batches.running Avg Long spark.patches.running Avg Long spark.patches.running Avg Long spark.patches.running Avg Long spark.patches.spark.batches.received.scheduling.delay Avg Long spark.batches spark.batches.completed.scheduling.delay Avg Long spark.patches spark.batches.completed.scheduling.delay Avg Long spark.patches.completed.processing.delay Long spark.patches.completed.processing.delay Avg Long spark.patches.completed.processing.delay Long Spark.patches.completed.processing.delay Long Spark.patches.pa | Metric Name | Key | Agg | Type | Description |
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| current pool size spark.executor.pool.size Avg Long write ops spark.executor.file.writes Sum Long large read ops spark.executor.hdfs.reads.large Sum Long complete tasks spark.executor.tasks.completed Sum Long large read ops spark.executor.file.reads.large Sum Long read ops spark.executor.file.reads write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | workers | spark.workers | Avg | Long | |
| write ops spark.executor.file.writes Sum Long large read ops spark.executor.hdfs.reads.large Sum Long complete tasks spark.executor.tasks.completed Sum Long large read ops spark.executor.file.reads.large Sum Long read ops spark.executor.file.reads Sum Long write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | read ops | spark.executor.hdfs.reads | Sum | Long | |
| large read ops spark.executor.hdfs.reads.large Sum Long complete tasks spark.executor.tasks.completed Sum Long large read ops spark.executor.file.reads.large Sum Long read ops spark.executor.file.reads Sum Long write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | current pool size | spark.executor.pool.size | Avg | Long | |
| complete tasks spark.executor.tasks.completed Sum Long large read ops spark.executor.file.reads.large Sum Long read ops spark.executor.file.reads Sum Long write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | write ops | spark.executor.file.writes | Sum | Long | |
| large read ops spark.executor.file.reads.large Sum Long read ops spark.executor.file.reads Sum Long write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | large read ops | spark.executor.hdfs.reads.large | Sum | Long | |
| read ops spark.executor.file.reads Sum Long write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | complete tasks | spark.executor.tasks.completed | Sum | Long | |
| write ops spark.executor.hdfs.writes Sum Long active tasks spark.executor.tasks.active Avg Long | large read ops | spark.executor.file.reads.large | Sum | Long | |
| active tasks spark.executor.tasks.active Avg Long | read ops | spark.executor.file.reads | Sum | Long | |
| active tasks spark.executor.tasks.active Avg Long | _ | - | Sum | _ | |
| | _ | - | Avg | _ | |
| | read bytes | spark.executor.file.read.bytes | _ | _ | |

| Metric Name | Key | Agg | Type | Description |
|------------------|---|----------------------|------|-------------|
| read bytes | spark.executor.hdfs.read.bytes | Sum | Long | |
| write bytes | spark.executor.hdfs.write.bytes | Sum | Long | |
| write bytes | spark.executor.file.write.bytes | Sum | Long | |
| completed | spark.application.stages.completed | Sum | Long | |
| failed | spark.application.tasks.failed | Sum | Long | |
| total | spark.application.tasks.total | Avg | Long | |
| skipped | spark.application.tasks.skipped | Sum | Long | |
| active | spark.application.tasks.active | Avg | Long | |
| completed | spark.application.tasks.completed | Sum | Long | |
| active | spark.application.stages.active | Avg | Long | |
| skipped | spark.application.stages.skipped | Sum | Long | |
| failed | spark.application.stages.failed | Sum | Long | |
| uncompleted apps | spark.applications.uncompleted | Avg | Long | |
| output bytes | spark.application.stage.output.bytes | Sum | Long | |
| disk bytes | spark.application.stage.disk.bytes.spilled | Sum | Long | |
| failed | spark.application.stage.tasks.failed | Sum | Long | |
| read bytes | spark.application.stage.shuffle.read.bytes | Sum | Long | |
| input bytes | spark.application.stage.input.bytes | Sum | Long | |
| output records | spark.application.stage.output.records | Sum | Long | |
| memory bytes | spark.application.stage.memory.bytes.spilled | Sum | Long | |
| write bytes | spark.application.stage.shuffle.write.bytes | Sum | Long | |
| read records | spark.application.stage.shuffle.read.records | Sum | Long | |
| input records | spark.application.stage.input.records | Sum | Long | |
| active | spark.application.stage.tasks.active | Avg | Long | |
| completed | spark.application.stage.tasks.completed | Sum | Long | |
| write records | spark.application.stage.shuffle.write.records | Sum | Long | |
| disk used | spark.application.rdd.storage.partitions.cached | Avg | Long | |
| memory used | spark.application.rdd.storage.memory.used | Avg | Long | |
| disk used | spark.application.rdd.storage.disk.used | Avg | Long | |
| partitions | spark.application.rdd.storage.partitions | Avg | Long | |
| input bytes | spark.application.executor.input.bytes | Sum | Long | |
| shuffle write | spark.application.executor.shuffle.write | Sum | Long | |
| failed | spark.application.executor.tasks.failed | Sum | Long | |
| active | spark.application.executor.tasks.active | Avg | Long | |
| duration | spark.application.executor.duration | Sum | Long | |
| cores | spark.application.executor.cores | Avg | Long | |
| total | spark.application.executor.tasks.total | Sum | Long | |
| shuffle read | spark.application.executor.shuffle.read | Sum | Long | |
| memory used | spark.application.executor.memory.used | Avg | Long | |
| max tasks | spark.application.executor.tasks.max | Max | Long | |
| completed | spark.application.executor.tasks.completed | Sum | Long | |
| disk used | spark.application.executor.disk.used | Avg | Long | |
| mex memory | spark.application.executor.max.memory | Max | Long | |
| gc time | spark.application.executor.gc.time | Sum | Long | |
| 80 min | spark.appheanon.executor.ge.time | Dum | Long | |

| Metric Name | Key | Agg | Type | Description |
|-------------|---|-----|------|-------------|
| rdd blocks | spark. application. executor. rdd. blocks | Avg | Long | |

Api Metrics

| Metric Name | Key | Agg | Type | Description |
|------------------|--|----------------------|------|-------------|
| completed | spark.application.stages.completed | Sum | Long | |
| failed | spark.application.tasks.failed | Sum | Long | |
| total | spark.application.tasks.total | Avg | Long | |
| skipped | spark.application.tasks.skipped | Sum | Long | |
| active | spark.application.tasks.active | Avg | Long | |
| completed | spark.application.tasks.completed | Sum | Long | |
| active | spark.application.stages.active | Avg | Long | |
| skipped | spark.application.stages.skipped | Sum | Long | |
| failed | spark.application.stages.failed | Sum | Long | |
| uncompleted apps | spark.applications.uncompleted | Avg | Long | |
| output bytes | spark.application.stage.output.bytes | Sum | Long | |
| disk bytes | spark.application.stage.disk.bytes.spilled | Sum | Long | |
| failed | spark.application.stage.tasks.failed | Sum | Long | |
| read bytes | spark.application.stage.shuffle.read.bytes | Sum | Long | |
| input bytes | spark.application.stage.input.bytes | Sum | Long | |
| output records | spark.application.stage.output.records | Sum | Long | |
| memory bytes | spark.application.stage.memory.bytes.spilled | Sum | Long | |
| write bytes | spark.application.stage.shuffle.write.bytes | Sum | Long | |
| read records | spark. application. stage. shuffle. read. records | Sum | Long | |
| input records | spark.application.stage.input.records | Sum | Long | |
| active | spark.application.stage.tasks.active | Avg | Long | |
| completed | spark.application.stage.tasks.completed | Sum | Long | |
| write records | spark. application. stage. shuffle. write. records | Sum | Long | |
| disk used | spark.application.rdd.storage.partitions.cached | Avg | Long | |
| memory used | spark.application.rdd.storage.memory.used | Avg | Long | |
| disk used | spark.application.rdd.storage.disk.used | Avg | Long | |
| partitions | spark.application.rdd.storage.partitions | Avg | Long | |
| input bytes | spark.application.executor.input.bytes | Sum | Long | |
| shuffle write | spark.application.executor.shuffle.write | Sum | Long | |
| failed | spark.application.executor.tasks.failed | Sum | Long | |
| active | spark.application.executor.tasks.active | Avg | Long | |
| duration | spark.application.executor.duration | Sum | Long | |
| cores | spark.application.executor.cores | Avg | Long | |
| total | spark.application.executor.tasks.total | Sum | Long | |
| shuffle read | spark.application.executor.shuffle.read | Sum | Long | |
| memory used | spark.application.executor.memory.used | Avg | Long | |
| max tasks | spark.application.executor.tasks.max | Max | Long | |

| Metric Name | Key | Agg | Type | Description |
|--|---|-----|------------------------------|-------------|
| completed disk used mex memory gc time | spark.application.executor.tasks.completed spark.application.executor.disk.used spark.application.executor.max.memory spark.application.executor.gc.time | Sum | Long Long Long Long | |
| rdd blocks | spark.application.executor.rdd.blocks | Avg | Long | |