JmxInterface

If you start it using the standard startup script, Cassandra will listen for connections on port 8080 (port 7199 starting in 0.8.0-beta1) to view and tweak variables which it exposes via JMX. This may be helpful for debugging and monitoring. See also JmxGotchas.

The MemtableThresholds page describes how to use Jconsole as a client for this.

Domain	Source Location	Туре	Keyspac e	Cach e	Attributes	Operations
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	AE-SERVICE-STAGE			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	COMMITLOG			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	CONSISTENCY-MANAGER			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	FILEUTILS-DELETE-POOL			ActiveCount CompletedTasks PendingTasks	
					-	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	FLUSH-SORTER-POOL			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	FLUSH-WRITER-POOL			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	GMFD			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	HINTED-HANDOFF-POOL			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	LB-OPERATIONS			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	LB-TARGET			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	LOAD-BALANCER-STAGE			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	MEMTABLE-POST-FLUSHER			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	MESSAGE-DESERIALIZER-POOL			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	MESSAGE-STREAMING-POOL			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	RESPONSE-STAGE			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	ROW-MUTATION-STAGE			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	ROW-READ-STAGE			ActiveCount CompletedTasks PendingTasks	
org.apache.cassandra.concurrent	./concurrent/JMXEnabledThreadPoolExecutorMBean. java	STREAM-STAGE			ActiveCount CompletedTasks PendingTasks	

org.apache.cassandra.db	./db/CommitLogExecutorServiceMBean.java	CommitLog	ActiveCount CompletedTasks PendingTasks	
				-
org.apache.cassandra.db	./db/CompactionManagerMBean.java	CompactionManager	BytesCompacted BytesTotalInProgress ColumnFamilyInProgress MaximumCompactionThreshold MinimumCompactionThreshold PendingTasks	
			 , ,	1
org.apache.cassandra.gms	./gms/FailureDetectorMBean.java	FailureDetector		dumpInterArrivalTimes
org.apache.cassandra.service	./service/StorageServiceMBean.java	StorageService	CurrentGenerationNumber LiveNodes LoadMap LoadString RangeToEndPointMap Token UnreachableNodes	
clearSnapshot decommission forceTableCleanup forceTableCleanup forceTableRpush forceTableRepair getLiveNaturalEndpoints getNaturalEndpoints getNaturalEndpoints getRangeToEndPointMap loadBalance move removeToken setLog4jLevel takeAlISnapshot takeSnapshot				
org.apache.cassandra.service	./service/StorageProxyMBean.java	StorageProxy	RangeOperations ReadOperations RecentRangeLatencyMicros RecentReadLatencyMicros TotalRangeLatencyMicros TotalReadLatencyMicros TotalWicros Micros WiteOperations	
				_
org.apache.cassandra.streaming	./streaming/StreamingService.java	StreamingService	Status StreamDestinations StreamSources	
getIncomingFiles getOutgoingFiles				

org.apache.cassandra.concurrent

All org.apache.cassandra.concurrent Types are thread pool executors which have Attributes ActiveCount, CompletedTasks and PendingTasks. They are viewable from the command line with {{'}}nodeprobe tpstats{{'}}.

They are generally defined as follows :

org.apache.cassandra.concurrent.<THREADPOOL>.Attributes.ActiveCount

Туре	Units	Range	Notes
int	task s	integer >=0	The current number of running tasks.

org.apache.cassandra.concurrent.<THREADPOOL>.Attributes.CompletedTasks

Ту	e Units	Range	Notes
lon	g task s	integer >=0	The number of completed tasks since executor creation.

org.apache.cassandra.concurrent.<THREADPOOL>.Attributes.PendingTasks

Туре	Units	Range	Notes
long	task s	integer >=0	The number of tasks waiting in the queue to be executed.

org.apache.cassandra.concurrent.AE-SERVICE-STAGE

This thread pool is single threaded.

Per src/java/org/apache/cassandra/service/AntiEntropyService.java,

AntiEntropyService encapsulates "validating" (hashing) individual column families, exchanging MerkleTrees with remote nodes via a TreeRequest/Response conversation, and then triggering repairs for disagreeing ranges.

Tree comparison and repair triggering occur in the single threaded AE_SERVICE_STAGE.

org.apache.cassandra.concurrent.CONSISTENCY-MANAGER

This pool has 4 threads, which is hardcoded per src/java/org/apache/cassandra/service/StorageService.java,

```
private static int consistencyThreads_ = 4; // not configurable
```

The CONSISTENCY-MANAGER executor is responsible for passive read repair, for example after a read with ConsistencyLevel.ONE.

Per src/java/org/apache/cassandra/service/StorageService.java,

/* This thread pool does consistency checks when the client doesn't care about consistency */

org.apache.cassandra.concurrent.FILEUTILS-DELETE-POOL

This thread pool is single threaded. Code is defined in src/java/org/apache/cassandra/io/DeletionService.java. This executor is responsible for deleting files, such as obsolete sstables and obsolete committog segments.

org.apache.cassandra.concurrent.FLUSH-SORTER-POOL

This thread pool is multi-threaded, with between 1 and Runtime.getRuntime().availableProcessors() threads in the pool.

See Also : FLUSH-WRITER-POOL and MEMTABLE-POST-FLUSHER. Per src/java/org/apache/cassandra/db/ColumnFamilyStore.java,

- * submitFlush first puts [Binary]Memtable.getSortedContents on the flushSorter executor, * which then puts the sorted results on the writer executor. This is because sorting is CPU-bound, * and writing is disk-bound; we want to be able to do both at once. When the write is complete, * we turn the writer into an SSTableReader and add it to ssTables_ where it is available for reads. * * For BinaryMemtable that's about all that happens. For live Memtables there are two other things * that switchMemtable does (which should be the only caller of submitFlush in this case). * First, it puts the Memtable into memtablesPendingFlush, where it stays until the flush is complete * and it's been added as an SSTableReader to ssTables_. Second, it adds an entry to commitLogUpdater
 - * that waits for the flush to complete, then calls onMemtableFlush. This allows multiple flushes
 - \star to happen simultaneously on multicore systems, while still calling on MF in the correct order,
 - \ast which is necessary for replay in case of a restart since <code>CommitLog</code> assumes that when <code>onMF</code> is
 - * called, all data up to the given context has been persisted to SSTables.

org.apache.cassandra.concurrent.FLUSH-WRITER-POOL

This thread pool is multi-threaded, with between 1 and Runtime.getRuntime().availableProcessors() threads in the pool.

See Also : FLUSH-SORTER-POOL and MEMTABLE-POST-FLUSHER. Per src/java/org/apache/cassandra/db/ColumnFamilyStore.java,

* submitFlush first puts [Binary]Memtable.getSortedContents on the flushSorter executor, * which then puts the sorted results on the writer executor. This is because sorting is CPU-bound, * and writing is disk-bound; we want to be able to do both at once. When the write is complete, * we turn the writer into an SSTableReader and add it to ssTables_ where it is available for reads. * * For BinaryMemtable that's about all that happens. For live Memtables there are two other things * that switchMemtable does (which should be the only caller of submitFlush in this case). * First, it puts the Memtable into memtablesPendingFlush, where it stays until the flush is complete * and it's been added as an SSTableReader to ssTables_. Second, it adds an entry to commitLogUpdater * that waits for the flush to complete, then calls onMemtableFlush. This allows multiple flushes * to happen simultaneously on multicore systems, while still calling onMF in the correct order, * which is necessary for replay in case of a restart since CommitLog assumes that when onMF is * called, all data up to the given context has been persisted to SSTables.

org.apache.cassandra.concurrent.GMFD

This thread pool is single threaded. Executor for the Gossiper.

org.apache.cassandra.concurrent.HINTED-HANDOFF-POOL

This thread pool is single threaded.

Per src/java/org/apache/cassandra/db/HintedHandOffManager.java,

- * For each table (keyspace), there is a row in the system hints CF.
- * SuperColumns in that row are keys for which we have hinted data.
- * Subcolumns names within that supercolumn are host IPs. Subcolumn values are always empty.
- * Instead, we store the row data "normally" in the application table it belongs in.
- * So when we deliver hints we look up endpoints that need data delivered
- * on a per-key basis, then read that entire row out and send it over.

org.apache.cassandra.concurrent.LB-OPERATIONS

This thread pool is single threaded.

See Also : LB-TARGET. Per src/java/org/apache/cassandra/service/StorageLoadBalancer.java,

/* This thread pool is used for initiating load balancing operations $^{\ast/}$

org.apache.cassandra.concurrent.LB-TARGET

This thread pool is single threaded.

See Also : LB-OPERATIONS. Per src/java/org/apache/cassandra/service/StorageLoadBalancer.java,

/* This thread pool is used by target node to leave the ring. */

org.apache.cassandra.concurrent.LOAD-BALANCER-STAGE

This thread pool is single threaded.

org.apache.cassandra.concurrent.MEMTABLE-POST-FLUSHER

This thread pool is single threaded.

See Also : FLUSH-SORTER-POOL and FLUSH-WRITER-POOL. Per src/java/org/apache/cassandra/db/ColumnFamilyStore.java,

* submitFlush first puts [Binary]Memtable.getSortedContents on the flushSorter executor, * which then puts the sorted results on the writer executor. This is because sorting is CPU-bound, * and writing is disk-bound; we want to be able to do both at once. When the write is complete, * we turn the writer into an SSTableReader and add it to ssTables_ where it is available for reads. * * For BinaryMemtable that's about all that happens. For live Memtables there are two other things * that switchMemtable does (which should be the only caller of submitFlush in this case). * First, it puts the Memtable into memtablesPendingFlush, where it stays until the flush is complete * and it's been added as an SSTableReader to ssTables_. Second, it adds an entry to commitLogUpdater * that waits for the flush to complete, then calls onMemtableFlush. This allows multiple flushes * to happen simultaneously on multicore systems, while still calling onMF in the correct order, * which is necessary for replay in case of a restart since CommitLog assumes that when onMF is * called, all data up to the given context has been persisted to SSTables.

org.apache.cassandra.concurrent.MESSAGE-DESERIALIZER-POOL

This thread pool is multi-threaded, with between 1 and Runtime.getRuntime().availableProcessors() threads in the pool.

Per src/java/org/apache/cassandra/net/MessagingService.java,

```
// read executor puts messages to deserialize on this.
```

org.apache.cassandra.concurrent.MESSAGE-STREAMING-POOL

This thread pool is single threaded.

org.apache.cassandra.concurrent.RESPONSE-STAGE

This thread pool is multi-threaded and has between 1 and Runtime.getRuntime().availableProcessors() threads in the pool.

org.apache.cassandra.concurrent.ROW-MUTATION-STAGE

This thread pool is multi-threaded and has between 1 and concurrectWriters threads in the pool.

Per src/java/org/apache/cassandra/concurrent/StageManager.java,

private static int concurrentWriters_ = 32;

org.apache.cassandra.concurrent.ROW-READ-STAGE

This thread pool is multi-threaded and has between 1 and concurrectReaders threads in the pool.

Per src/java/org/apache/cassandra/concurrent/StageManager.java,

private static int concurrentReaders_ = 8;

org.apache.cassandra.concurrent.STREAM-STAGE

This stage is single threaded.

org.apache.cassandra.db

org.apache.cassandra.db.CommitLog

org.apache.cassandra.db.CommitLog.Attributes.ActiveCount

Туре	Units	Rang e	Notes
int	task s	>=0	The number of tasks which are currently executing.

org.apache.cassandra.db.CommitLog.Attributes.CompletedTasks

Туре	Units	Rang e	Notes
long	task s	>=0	The number of completed tasks.

org.apache.cassandra.db.CommitLog.Attributes.PendingTasks

Туре	Units	Rang e	Notes
long	task s	>=0	The number of tasks waiting in the queue to be executed.

org.apache.cassandra.db.CompactionManager

org.apache.cassandra.db.CompactionManager.Attributes.BytesCompacted

Туре	Units	Range	Notes
java.lang.	byte	integer	The number of bytes successfully compacted.
Long	s	>=0	

org.apache.cassandra.db.CompactionManager.Attributes.BytesTotalInProgress

Туре	Units	Range	Notes
java.lang.	byte	integer	FIXME?? : The total size of the SSTables involved in the current compaction.
Long	s	>=0	

org. a pache. cass and ra.db. Compaction Manager. Attributes. Column Family In Progress

Туре	Units	Range	Notes
java.lang. string	nam e	Any valid Column{{`Family name	The name of the Column}} Family currently being compacted.

org.apache.cassandra.db.CompactionManager.Attributes.MaximumCompactionThreshold

Туре	Units	Rang e	Notes
int	SSTable s	>=0	The maximum number of SSTables in the compaction queue before compaction kicks off.

org.apache.cassandra.db.CompactionManager.Attributes.MinimumCompactionThreshold

Туре	Units	Rang e	Notes
int	SSTable s	>=0	The minimum number of SSTables in the compaction queue before compaction kicks off.

org.apache.cassandra.db.CompactionManager.Attributes.PendingTasks

Туре	Units	Rang e	Notes
int	task s	>=0	The number of tasks waiting in the queue to be executed.

org.apache.cassandra.gms

org.apache.cassandra.gms.FailureDetector

org.apache.cassandra.gms.FailureDetector.Operations.dumpInterArrivalTimes

Dump endpoint arrival windows to a file in /var/tmp, per src/java/org/apache/cassandra/gms/FailureDetector.java:

```
FileOutputStream fos = new FileOutputStream("/var/tmp/output-" + System.currentTimeMillis() + ".dat", true);
```

org.apache.cassandra.service

org.apache.cassandra.service.StorageService

org.apache.cassandra.service.StorageService.Attributes.CurrentGenerationNumber

Туре	Units	Rang e	Notes			
int	Generation Number	>=0	The number of the current generation in the Gossiper.			

org.apache.cassandra.service.StorageService.Attributes.LiveNodes

Туре	Units	Rang e	Notes
java.util. Set	Node s	n/a	A set of the nodes which are visible and live, from the perspective of this node.

org.apache.cassandra.service.StorageService.Attributes.LoadMap

Туре	Units	Ran ge	Notes	Example
java.util. Map	Nodes,Disk Usage	n/a	A map of which nodes have what level of load.	{10.0.0.130=107.86 GB,10.0.0.41=125.82 GB,10.0.0.176=117.47 GB,10.0.0.15=68.65 GB,10.0.0.91=148.25 GB, 10.0.0.165=247.33 GB]

org.apache.cassandra.service.StorageService.Attributes.LoadString

Туре	Units	Rang e	Notes	Example
java.lang. String	Disk usage	n/a	The amount of load on the node being queried.	127.7 GB

org.apache.cassandra.service.StorageService.Attributes.OperationMode

Туре	Units	R	Notes	Examples
		а		
		n		
		g		
		е		
java. lang. String	Operatio n mode string	n /a	A string describing the current operation mode. (FIXME: wikilink on operation mode?)	Decommissioned, Joining: getting bootstrap token, Joining: getting load information, Leaving: streaming data to other nodes, Normal, Joining: sleeping " + RING_DELAY + " for pending range setup, Leaving: sleeping " + RING_DELAY + " for pending range setup

org.apache.cassandra.service.StorageService.Attributes.Token

Туре	Units	Rang e	Rang Notes	
java.lang. String	key range start position	n/a	A string describing the start of the range of keys this node is responsible for on the ring.	

org.apache.cassandra.service.StorageService.Attributes.UnreachableNodes

Туре	Units	Ra ng e	No te s	Example		
<ac:structured-macro ac:macro-id="
093d369a-b21e-4d82-9d4f-d28292ffdc99" ac:name="unmigrated-wiki-markup" ac:schema-version="1"><ac:plain-text-body><![CDATA[</td><td>java. util. Set</td><td>No de s</td><td>n /a</td><td>A set of the nodes which this node knows about which are currently unreachable.</td><td>[10.0.0.1, 10.0.0.2]</td><td>]]></ac:plain-text-body>structured-macro></ac:structured-macro>						

org.apache.cassandra.service.StorageService.Operations.clearSnapshot

Argument s	Return Type	Notes		
n/a	void	Clear all the snapshots for this node's keyspace.		

Per src/java/org/apache/cassandra/db/Table.java :

String snapshotPath = dataDirPath + File.separator + name + File.separator + SNAPSHOT_SUBDIR_NAME;
 <pre>FileUtils.deleteDir(snapshotDir);</pre>

org.apache.cassandra.service.StorageService.Operations.decommission

Argument s	Return Type	Notes		
n/a	void	Instruct this (live) node to remove itself from the token ring.		

This operation may fail if :

- The node is not a member of the token ring yet.
- There are no other normal nodes in the ring.
 Data is currently moving to the node.

org.apache.cassandra.service.StorageService.Operations.forceTableCleanup

Argumen ts	Return Type	Notes
n/a	void	Trigger a cleanup compaction. Goes over each file and removes the keys that the node is not responsible for, and only keeps keys that this node is responsible for.

org.apache.cassandra.service.StorageService.Operations.forceTableCompaction

Argument s	Return Type	Notes
n/a	void	Trigger a major compaction (of all SSTables on disk).

org.apache.cassandra.service.StorageService.Operations.forceTableFlush

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Exampl e
tableName	java.lang.String	columnFamilie s	java.lang.String	void	Flush all memtables for a table and column families.	

org.apache.cassandra.service.StorageService.Operations.forceTableRepair

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Exampl e
tableName	java.lang.String	columnFamilie s	java.lang.String	void	Trigger proactive repair for a table and column families	

org.apache.cassandra.service.StorageService.Operations.getLiveNaturalEndpoints

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Exampl e
tableName	java.lang.String	token	java.lang.String	java.lang. String	Attempts to return N endpoints that are responsible for storing the specified key i.e for replication.	

org.apache.cassandra.service.StorageService.Operations.getNaturalEndpoints

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Exampl e
tableName	java.lang.String	token	java.lang.String	java.lang. String	Returns the N endpoints that are responsible for storing the specified key i.e for replication.	

org.apache.cassandra.service.StorageService.Operations.getRangeToEndPointMap

Argument p1	Argument p1 Type	Return Type	Notes	Exampl e
keyspace	java.lang.String	java.lang. String	For a keyspace, return the ranges and corresponding hosts for a given keyspace.	

org.apache.cassandra.service.StorageService.Operations.loadBalance

Argument s	Return Type	Notes
n/a	void	Generate new auto-assigned token for this node, between the two most heavily loaded nodes.

org.apache.cassandra.service.StorageService.Operations.move

Argument p1	Argument p1 Type	Return Type	Notes
keyspace	java.lang.String	void	Move this node to a new token, specified as the argument.

This operation may fail if :

- The target token is already owned by another node.
- Data is currently moving to this node.

org.apache.cassandra.service.StorageService.Operations.removeToken

Argument p1	Argument p1 Type	Return Type	Notes
keyspace	java.lang.String	void	Remove the specified token from the ring. Used on a live node to remove the token of a dead node from all nodes in the ring.

This operation may fail if :

• There is a live node which owns this token.

$org. a pache. cass and ra. service. Storage {\tt Service. Operations. set Log4j Level}$

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Example
classQualifie r	java.lang.String	rawLevel	java.lang.String	void	Set the level of logging in Log4j.	DEBUG INFO WARN ERROR FATAL ALL OFF - http://jakarta.apache.org/log4j/docs/api/index.html

$org. a pache. cass and ra. service. Storage {\tt Service. Operations. take {\tt AllSnapshot}}$

Argument p1	Argument p1 Type	Return Type	Notes	Exampl e
tag	java.lang.String or null	void	Take a snapshot of all keyspaces on this node and optionally name it with a (non-null) tag name.	

org.apache.cassandra.service.StorageService.Operations.takeSnapshot

Argument p1	Argument p1 Type	Argument p2	Argument p2 Type	Return Type	Notes	Exampl e
tableName (Keyspace Name)	java.lang.String	tag	java.lang.String or null	void	Take a snapshot of a keyspace and optionally name it with a (non-null) tag name.	

org.apache.cassandra.service.StorageProxy

org.apache.cassandra.service.StorageProxy.Attributes.RangeOperations

Ţ	ype	Units	Rang e	Notes
lo	ong	Operation s	>=0	The number of range operations since executor start.

org.apache.cassandra.service.StorageProxy.Attributes.ReadOperations

Туре	Units	Rang e	Notes
long	Operation s	>=0	The number of read operations since executor start.

org.apache.cassandra.service.StorageProxy.Attributes.RecentRangeLatencyMicros

Туре	Units	Rang e	Notes
doubl e	Microsecond s	>=0	The latency of range operations since the last time this attribute was read.

See Also : RecentReadLatencyMicros, RecentWriteLatencyMicros.

Per src/java/org/apache/cassandra/utils/Latency{{`Tracker.}}`java/getRecentLatencyMicros:

```
long ops = opCount.get();
long n = totalLatency.get();
return ((double)n - lastLatency) / (ops - lastOpCount);
...
lastLatency = n;
lastOpCount = ops;
```

org.apache.cassandra.service.StorageProxy.Attributes.RecentReadLatencyMicros

Туре	Units	Rang e	Notes
doubl e	Microsecond s	>=0	The latency of range operations since the last time this attribute was read.

See Also RecentRangeLatencyMicros, RecentWriteLatencyMicros.

org.apache.cassandra.service.StorageProxy.Attributes.RecentWriteLatencyMicros

Туре	Units	Rang e	Notes
doubl e	Microsecond s	>=0	The latency of write operations since the last time this attribute was read.

See Also : RecentRangeLatencyMicros, RecentReadLatencyMicros.

org.apache.cassandra.service.StorageProxy.Attributes.TotalRangeLatencyMicros

Туре	Units	Rang e	Notes
long	Microsecond s	>=0	The latency of all range operations since executor start.

org.apache.cassandra.service.StorageProxy.Attributes.TotalReadLatencyMicros

Туре	Units	Rang e	Notes
long	Microsecond s	>=0	The latency of all read operations since executor start.

$org.apache.cass and ra.service. \\ Storage Proxy. \\ Attributes. \\ Total \\ Write \\ Latency \\ Micros$

Туре	Units	Rang e	Notes
long	Microsecond s	>=0	The latency of all write operations since executor start.

org.apache.cassandra.service.StorageProxy.Attributes.WriteOperations

Туре	Units	Rang e	Notes
long	Operation s	>=0	The number of write operations since executor start.

org.apache.cassandra.streaming

org.apache.cassandra.streaming.StreamingService

org.apache.cassandra.streaming.StreamingService.Attributes.Status

Туре	Units	Ran ge	Notes	Example
java.lang. String	Status string	n/a	A string describing the current state of the StreamingService.	Flushing memtables for <tablename>, Performing anticompaction, Sending a stream initiate message to <target>, Done with transfer to <target></target></target></tablename>

org.apache.cassandra.streaming.StreamingService.Attributes.StreamDestinations

Туре	Units	Rang e	Notes	Exampl e
java.lang. Set	Node s	n/a	A set of the nodes this node is currently streaming to.	

org.apache.cassandra.streaming.StreamingService.Attributes.StreamSources

Туре	Units	Rang e	Notes	Exampl e
java.lang. Set	Node s	n/a	A set of the nodes this node is currently streaming from.	

org.apache.cassandra.streaming.StreamingService.Operations.getIncomingFiles

Argument	Argument p1	Return	Notes	Examp
p1	Type	Type		le
node	java.lang. String	java.Util. List	Given a node as an argument, return a List of filenames, current position in the file and how many total bytes are expected in the stream. Shows incoming streams only.	

See Also : getOutgoingFiles.

Per src/java/org/apache/cassandra/streaming/StreamingService.java :

files.add(String.format("%s %d/%d", f.getFilename(), f.getPtr(), f.getExpectedBytes()));

org.apache.cass and ra.streaming. Streaming Service. Operations.get Outgoing Files

Argument	Argument p1	Return	Notes	Examp
p1	Type	Type		le
node	java.lang. String	java.Util. List	Given a node as an argument, return a List of filenames, current position in the file and how many total bytes are expected in the stream. Shows outgoing streams only.	

See Also : getIncomingFiles.

https://c.statcounter.com/9397521/0/fe557aad/1/|stats