

## Metrics

### Report: Cluster

#### Chart: Supervisor/Topology

Metric Name	Metric Description
supervisors	The number of Nodes in the cluster currently.
topologies	The number of Topologies in the cluster currently.

### Report: Supervisor

#### Chart: Slots

Metric Name	Metric Description
slots	Total slots are Workers (processes).
used slots	Busy slots are Workers (processes).
free slots	Free slots are Workers (processes).

### Report: Bolt Input

#### Chart: Timing

---

Metric De- cription	Name
---------------------------	------

---

executed	The
la-	av-
tency	er-
	age
	time
	a
	Tu-
	ple
	spends
	in
	the
	exe-
	cute
	method.
	The
	exe-
	cute
	method
	may
	com-
	plete
	with-
	out
	send-
	ing
	an
	Ack
	for
	the
	Tu-
	ple.

---

Metric De- scrip- tion
---------------------------------

---

process	The
la-	av-
tency	er-
	age
	time
	it
	takes
	to
	Ack
	a
	Tu-
	ple
	af-
	ter
	it is
	first
	re-
	ceived.
	Bolts
	that
	join,
	ag-
	gre-
	gate
	or
	batch
	may
	not
	Ack
	a
	Tu-
	ple
	un-
	til
	a
	num-
	ber
	of
	other
	Tu-
	ples
	have
3	been
	re-
	ceived.

Metric De- scrip- tion
---------------------------------

#### Chart: Acked/Executed/Failed

Metric Name	Metric Description
acked	The number of Tuples acknowledged by this Bolt.
executed	The number of incoming Tuples processed.
failed	The number of Tuples failed by this Bolt.

#### Report: Topology

##### Chart: Spouts/Bolts/State Spouts

Metric Name	Metric Description
bolts	The number of Bolts.
spouts	The number of Spouts.
state spouts	The number of State Spouts.

#### Chart: Workers/Executors/Tasks

Metric De- scrip- tion
workerThe num- ber of Work- ers (pro- cesses).

---

	Metric
	De-
Metricscrip-	
Name tion	

---

executors	Executors
	are
	threads
	in a
	Worker
	pro-
	cess.

tasks	A
	Task
	is
	an
	in-
	stance
	of a
	Bolt
	or
	Spout.
	The
	num-
	ber
	of
	Tasks
	is
	al-
	most
	al-
	ways
	equal
	to
	the
	num-
	ber
	of
	Ex-
	ecu-
	tors.

---

**Report: Bolt Output**

**Chart: Emitted/Transferred**

Metric Name	Metric Description
emitted	The number of Tuples emitted.
transferred	The number of Tuples emitted that sent to one or more Bolts.

**Report: Spout**

**Chart: Timing**

---

Metric De- scrip- tion
---------------------------------

---

complete- la- tency	The av- er- age time a Tu- ple 'tree' takes to be com- pletely pro- cessed by the Topol- ogy. A value of 0 is ex- pected if no ack- ing is done.
---------------------------	---

---

**Chart: Emitted/Transferred**

Metric Name	Metric Description
emitted	The number of Tuples emitted.

Metric Name	Metric Description
transferred	The number of Tuples emitted that sent to one or more Bolts.

**Chart: Acked/Failed**

Metric  
 De-  
 Metricscrip-  
 Name tion

acked The  
 num-  
 ber  
 of  
 Tu-  
 ple  
 ‘trees’  
 suc-  
 cess-  
 fully  
 pro-  
 cessed.  
 A  
 value  
 of 0  
 is  
 ex-  
 pected  
 if  
 no  
 ack-  
 ing  
 is  
 done.



---

	Metric De- scrip- tion
--	---------------------------------

---

failed	The number of Tuple 'trees' that were explicitly failed or timed out before ack-ing was completed. A value of 0 is expected if no ack-ing is done.
--------	--

---