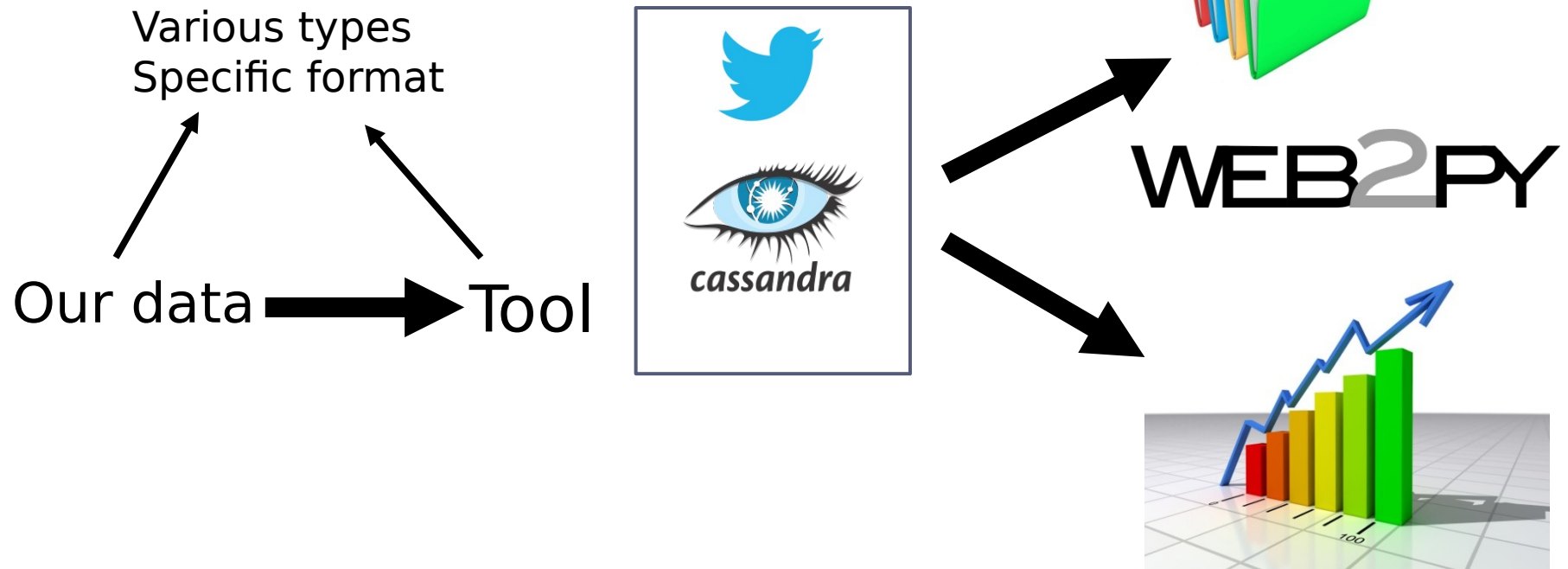

Performance Testing Of Twissandra

Team #12

Introduction



Cassandra Stress Tool

- ▶ Alternative to Jmeter and Python drivers
- ▶ More metrics – op rate, latencies, time taken
- ▶ Define schema, columns, stress test format, querying formats

Results + Demo

```
017,      2,      92,      167,      9,      558
240712    ,      70071,      1868,      47797,      47797,      19.2,
996,      1,      70,      70,      0,      276
```

Results:

```
op rate           : 2212
partition rate    : 56338
row rate          : 56338
latency mean      : 15.9
latency median    : 11.4
latency 95th percentile : 32.2
latency 99th percentile : 116.2
latency 99.9th percentile : 290.0
latency max       : 1084.9
total gc count    : 135
total gc mb       : 36735
total gc time (s) : 34
avg gc time(ms)   : 253
stdev gc time(ms) : 1157
Total operation time : 00:01:48
```

Improvement over 24 threadCount: -4%

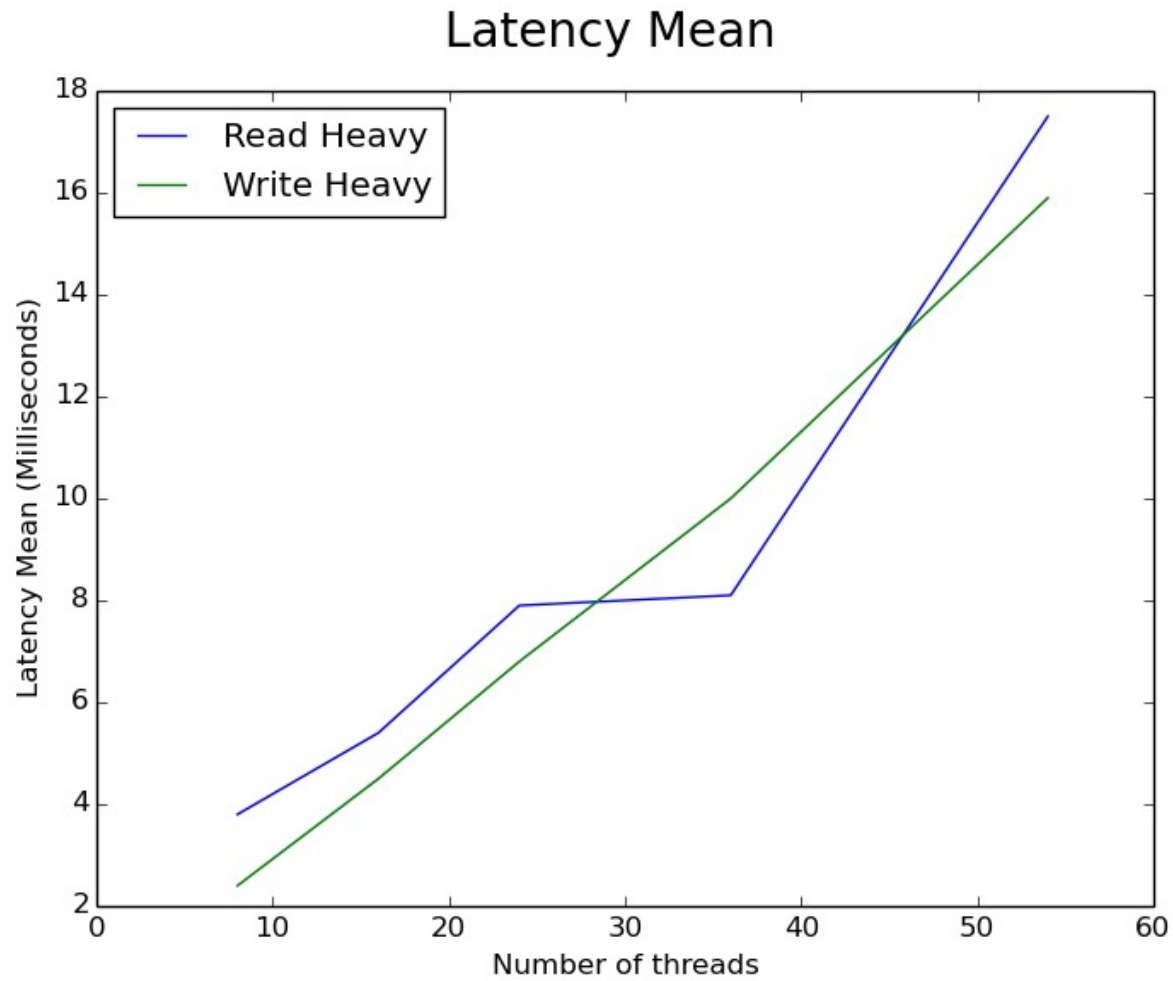
Sleeping for 15s

Running with 54 threadCount

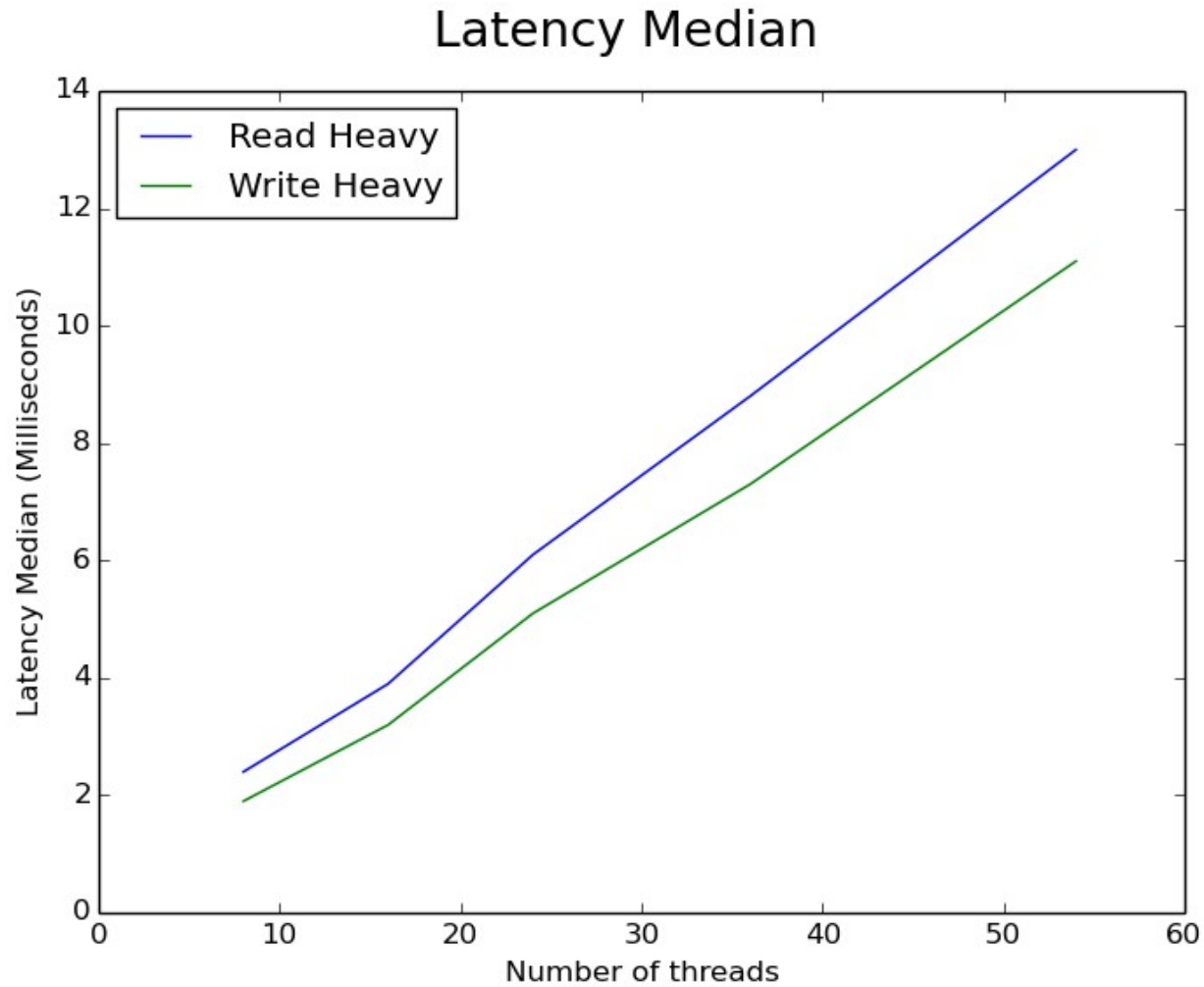
Running [insert] with 54 threads until stderr of mean < 0.02

```
total ops , adj row/s,   op/s,   pk/s,   row/s,   mean,
err, gc: #, max ms, sum ms, sdv ms,   mb
1687    ,   42854,   1692,   42854,   42854,   30.6,
000,      1,    26,    26,     0,    286
4232    ,   60562,   2413,   60562,   60562,   22.0,
```

Graphs



Graphs



Graphs

