

SmartDeployer Analysis Report:

Status: Success

Detail: Deploy done on 4 out of 4 machines.

Installation Elapsed time: 100 min

Finalized parameters:

Number of containers per machine: 3

Cassandra parameters:

CLUSTER SIZE:	4
num_tokens:	128
hinted_handoff_enabled:	true
max_hints_delivery_threads:	4
hints_flush_period_in_ms:	500
max_hints_file_size_in_mb:	256
memtable_heap_space_in_mb:	2048
memtable_cleanup_threshold:	0.15

Final YCSB performance report:

[OVERALL]	
RunTime(ms),	136.0
Throughput(ops/sec),	7352.941176470588
[TOTAL_GCS]	
Count	0.0
Time(ms),	0.0
Time(%),	0.0

Count	0.0
Time(ms)	0.0
Time(%),	0.0
Count,	0.0
Time(ms),	0.0
Time(%),	0.0

[CLEANUP]	
Operations	1.0
AverageLatency(us),	3.0
MinLatency(us),	3.0
MaxLatency(us),	3.0
95thPercentileLatency(us),	3.0
99thPercentileLatency(us),	3.0

[INSERT]	
Operations	1000.0
AverageLatency(us),	85.359
MinLatency(us),	24.0
MaxLatency(us),	2817.0
95thPercentileLatency(us),	201.0
99thPercentileLatency(us),	413.0

Overall Performance improvement (based on default setting): 160%

Visualization of Performance:

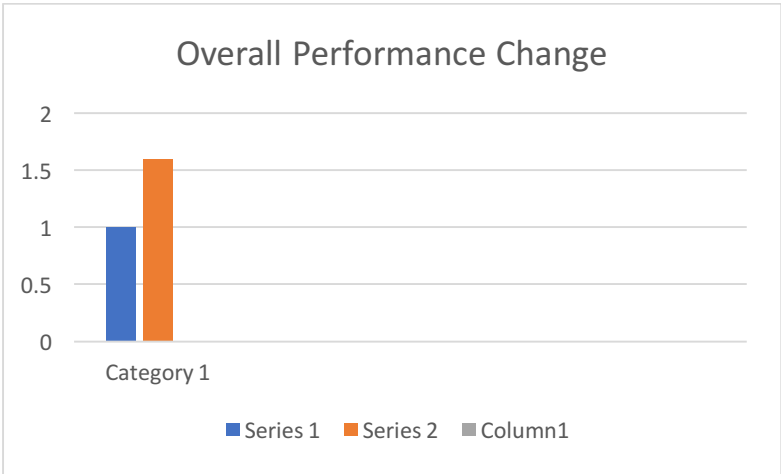


figure 1: Overall performance Comparison (For demonstration, not actual data)

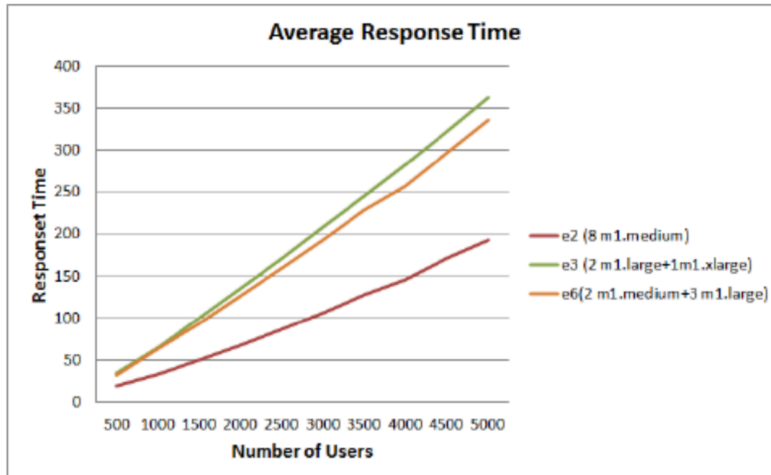


Figure 2: Detailed Performance Comparison (For demonstration, not actual data)

SOURCE:

https://www.researchgate.net/publication/311509650_To_Default_or_not_to_Default_Exposing_limitations_to_HBase_Cluster_Deployers