

CFT Exec Report	
Product	Lyve Rack
Build	#Build
Date	Date
System	System

Reported Bugs			Overall QA Report		
Priority	Test Setup	Cortx Stack	Status	#Build	#Build-1
Total	21	22	Total	21	22
Blocker	31	32	Pass	31	32
Critical	41	42	Failed	41	42
Major	51	52	Aborted	51	52
Minor	61	62	Pass	61	62
Trivial	71	72	ToDo	71	72

Component Level Summary									
Component	Total	#Build		#Build-1		#Build-2		#Build-3	
		Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
S3Server	1	2	3	4	5	6	7	8	9
Provisioner	1	2	3	4	5	6	7	8	9
CSM	1	2	3	4	5	6	7	8	9
RAS	1	2	3	4	5	6	7	8	9
Motr	1	2	3	4	5	6	7	8	9
HA	1	2	3	4	5	6	7	8	9
Locust	1	2	3	4	5	6	7	8	9
Cosbench	1	2	3	4	5	6	7	8	9
Data Recovery	1	2	3	4	5	6	7	8	9
Cross Connect	1	2	3	4	5	6	7	8	9
CFT	1	2	3	4	5	6	7	8	9
Total	1	2	3	4	5	6	7	8	9

Single Bucket Performance Statistics (Average) using S3Bench								
Statistics	4 KB	100 KB	1 MB	5 MB	36 MB	64 MB	128 MB	256 MB
Write Throughput (MBps)	1	2	3	4	5	6	7	8
Read Throughput (MBps)	1	2	3	4	5	6	7	8
Write Latency (ms)	1	2	3	4	5	6	7	8
Read Latency (ms)	1	2	3	4	5	6	7	8
Write IOPS	1	2	3	4	5	6	7	8
Read IOPS	1	2	3	4	5	6	7	8
Write TTFB (ms)	1	2	3	4	5	6	7	8
Read TTFB (ms)	1	2	3	4	5	6	7	8

Multiple Buckets Performance Statistics (Average) using HSBench and COSBench									
Bench	Statistics	4 KB	100 KB	1 MB	5 MB	36 MB	64 MB	128 MB	256 MB
HSbench 1 Bucket 1000 Objects 100 Sessions	Write Throughput	0	6	50	475	1625	2100	2225	2375
	Read Throughput	2	50	550	1625	4225	4225	4025	4475
	write Latency	1000	1525	1600	925	2125	2875	5425	10375
	Read Latency	175	200	175	300	825	1425	2900	3650
	Write IOPS	100	75	50	100	50	25	17	9
	Read IOPS	550	450	550	325	125	75	25	17
HSbench 10 Buckets 100 Objects 100 Sessions	Write Throughput	0	5	50	475	1700	2100	2450	2450
	Read Throughput	2	50	600	1750	4100	4100	4150	4050
	Read Latency	1075	1625	1625	975	2000	2875	5025	10025
	write Latency	175	200	150	275	850	1475	2850	3825
	Write IOPS	75	50	50	100	50	25	19	9
	Read IOPS	525	475	600	350	125	75	25	15
HSbench 50 Buckets 100 Objects 100 Sessions	Write Throughput	0	6	50	525	1750	2150	2375	2425
	Read Throughput	2	50	500	1475	4200	4150	3850	3650
	Read Latency	1000	1500	1625	925	2025	2925	5325	10525
	write Latency	175	225	200	350	850	1525	3275	3750
	Write IOPS	100	75	50	100	50	25	18	9
	Read IOPS	600	425	500	300	125	75	25	14
COSbench 1 Bucket 1000 Objects 100 Sessions	Write Throughput	0	8	75	350	500	525	600	725
	Read Throughput	0	8	75	350	475	525	625	725
	Read Latency	1000	950	950	1075	5925	9675	16475	27175
	Write Latency	250	250	250	350	1425	2400	4475	7650
	Write IOPS	75	75	75	75	13	8	4	2
	Read IOPS	75	75	75	75	13	8	4	2
COSbench 10 Buckets 100 Objects 100 Sessions	Write Throughput	0	8	75	350	475	525	600	725
	Read Throughput	0	8	75	350	475	550	600	750
	Read Latency	1000	950	975	1100	6125	9900	17625	27625
	Write Latency	250	250	250	350	1325	2150	3725	6975
	Write IOPS	75	75	75	75	13	8	4	2
	Read IOPS	75	75	75	75	13	8	4	2
COSbench 50 Buckets 100 Objects 100 Sessions	Write Throughput	0	8	75	325	575	675	825	1025
	Read Throughput	0	8	75	325	575	650	850	1100
	Read Latency	1025	950	1000	1150	5025	7675	11625	17675
	Write Latency	225	250	250	350	1225	1950	3675	6675
	Write IOPS	75	75	75	75	16	10	6	4
	Read IOPS	75	75	75	75	15	10	6	4

Metadata Latencies (captured with 1KB object)	
Operation Latency (ms)	Response Time
Add / Edit Object Tags	338.0
Read Object Tags	73.0
Read Object Metadata	73.0

Timing Summary (Seconds)					
Parameters	515	463	403	398	394
Update	1440.0	NA	NA	NA	NA
Deployment	5220.0	NA	5400.0	NA	NA
Boxing	240.0	NA	NA	NA	NA
Unboxing	1380.0	NA	NA	NA	NA
Onboarding	NA	NA	240.0	NA	NA
Firmware Update	NA	NA	NA	NA	NA
Reboot Node	278.0	NA	345.0	NA	NA
Start Node	NA	NA	NA	NA	NA
Stop Node	NA	NA	10.0	NA	NA
Stop all Services	170.0	NA	167.0	NA	NA
Node Failover	180.0	NA	183.0	NA	NA
Node Failback	160.0	NA	205.0	NA	NA
Start All Services	196.0	NA	205.0	NA	NA
Bucket Creation	1.0	NA	1.0	NA	NA
Bucket Deletion	5.0	NA	4.0	NA	NA

NA signifies the data is Not Available.

Detailed Reported Bugs					
Component	Test ID	Priority	JIRA ID	Status	Description
CFT_NEW_TEST	TEST-13558	Blocker	EOS-13330	In Progress	HA : Node fail-over is taking more than 120 secs to able to do IO's
CFT_NEW_TEST	TEST-13558	Major	EOS-15384	In Progress	Build #515: Hax crash observed during all SAS phy disable/enable test
CFT_NEW_TEST	TEST-13558	Major	EOS-15355	In Progress	Build: 516 - Isolated Network - S3Server Crash is observed when we recover from node failover
RAS	TEST-5343	Critical	EOS-14711	In Progress	Older MDRAID Alerts getting overwritten On UI with new MDRAID Alerts
RAS	TEST-11083	Blocker	EOS-15280	In Progress	HA : # 486: Stonith resulted after public data cable fault for primary node
CSM	TEST-12845	Blocker	EOS-15306	Closed	Logs :#515: Motr support bundle not collected from support bundle

Provisioner	TEST-9059	Blocker	EOS-15324	Resolved	Install : #515: Boxing process hung blocking shutdown nodes
CFT_NEW_TEST	TEST-14347	Major	EOS-15336	In Progress	DR : service failed to recover on node-1-m0d@0x7200000000000001:0xc.service
CSM	TEST-12846	Major	EOS-15350	In Progress	Stopping Node-2 services causes the node-1 to shutdown
CFT_NEW_TEST	TEST-14990	Major	EOS-15390	In Progress	Build 515: No alerts observed for enclosure disk disable/enable and enclosure fan removal/insertion operations
CSM	TEST-6150	Major	EOS-15443	New	Firmware upgrade status shows FAIL on UI even if it is passed on controller