

| 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 | 12345 | NA | NA | NA |
| Automation | 0 | NA | NA | NA |
| CSM | 1 | NA | NA | NA |
| CFT | 0 | NA | NA | NA |
| doc | 0 | NA | NA | NA |
| Foundation | 0 | NA | NA | NA |
| HA | 0 | NA | NA | NA |
| hare | 0 | NA | NA | NA |
| Monitor | 0 | NA | NA | NA |
| Motr | 0 | NA | NA | NA |
| Provisioner | 0 | NA | NA | NA |
| S3Server | 1 | NA | NA | NA |
| UDX | 0 | NA | NA | NA |

| 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 |