



Application Brief

THE IDEAL FLASH STORAGE I/O AND GZIP COMPRESSION ACCELERATOR



Entire Cluster TCO Savings with Easy Integration



ScaleFlux[™] Computational Storage Subsystem (CSS) Product Info

Form Factor Flash Capacity Compute Engines

Tuning

Reliability

- PCIe AIC & U.2 Drive
- 1.6TB, 3.2TB, 6.4TB, 7.68TB
- GZIP Compression, Erasure Coding (RS), KV-Store - AES-128/256, SHA-3, ... and others are also available
- FTL/FM & Compute Engine parameters can be adjusted to fine tune performance
 Performance throttling based on temperature or power consumption
- End-to-end data protection and ECC
- Integrated LDPC error protection and Flash die RAID
- Complete data protection for unplanned power loss

CSS benefits HBase deployments by:

Improving the speed performance and job throughput by integrating Flash memory into the I/O path, while still maintaining HDD-based main data storage economics for all-HDD HBase deployments

Realizing the optimized compression ratio of GZIP without paying the CPU overhead and job run time penalty for both all-HDD HBase deployments and those that have moved to all-Flash

For an in-depth HBase Application Note, please request at info@scaleflux.com

UNLEASH HBASE PERFORMANCE. SCHEDULE A POC





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