



Rear view of FX2 external enclosure

All-Flash Containerized Enterprise Storage with high performance/GB

The new All-Flash Appliances are powered with ElastiStor 2.0 firmware and by Micron SAS SSDs underneath. They can serve up to 250K usable IOPS and are built with fully redundant hardware components including the 12Gbps SAS backplane.



Define new classes of service
Innovate storage services that conform to customer needs and win the market share



Easy customer onboarding
No complex storage calculations or storage expertise required



Scale up/down performance
On the fly and view/measure the impact immediately

WHY CHOOSE CLOUDBYTE?

Customers are demanding storage architectures that are scalable for performance, capacity and flexibility. IT is now required to:

- **Deploy applications with no downtime**
- **Reduce datacenter footprint**
- **Increase overall system utilization**
- **Guaranteed QoS**

CloudByte software-defined enterprise storage solutions enable enterprises to offer a new tier of service to their customers while giving the best performance to capacity ratio.



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Powered By



CloudByte
ElastiStor 2.0

CLOUDBYTE ELASTISTOR ALL FLASH APPLIANCES



	ESA- FX2	ESA-FX4
VSMs	100	100
ElastiStor Nodes	2	2
Drives	2TB Micron SSDs	4TB Micron SSDs
IOPS	Up to 250K	Up to 250K
Protocols	iSCSI, CIFS, NFS, FC	iSCSI, CIFS, NFS, FC
Supported Configuration		
Processor	Intel Xeon - E5-2640 V4 (80v cores)	Intel Xeon - E5-2640 V4 (80v cores)
Memory	512GB	512GB
Form Factor	4U	4U
Max Usable Capacity	90TB	180TB
Max Effective Capacity	450TB	900TB

KEY ELASTISTOR OS FEATURES

Simple Management

- Manage all ElastiStor storage nodes
- Simple, easy to use web based interface
- Built on top of REST APIs
- Comprehensive reporting and statistics
- One click disaster recovery
- Total IP flexibility and control when assigning containers

Cluster Scale Out

- Scale to multiple PBs with multiple cluster
- No interruption or downtime
- Managed from a single management console

Guaranteed QoS

- Create separate containers each with their own capacity and IOPS
- Guaranteed IOPS, bandwidth, and latency to each volume at a granular level
- Meta Data on flash to reduce RAID rebuild and improve performance

Capacity Perks

- Volume based inline deduplication and compression
- Thin provisioned containers

Data Protection

- Enterprise High Availability (HA)
- Secure multi-tenancy with account based access controls
- Mirror, single, double, or triple parity drive level protection
- Auto healing against sector corruption
- Asynchronous replication
- Integrated backup and disaster recovery
- Unlimited snapshots and cloning



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