

BOSTON IGLOO EBS

DATA SHEET



BOSTON IGLOO ELASTIC BLOCK STORAGE

All-Flash / Hybrid-Flash storage for the next generation datacenter

The Boston Igloo EBS is powered by Datera Elastic Data Fabric, a next-generation elastic block storage for all clouds that is deployable within enterprises and service providers on Boston optimised hardware. The Boston Igloo EBS takes datacenter automation and efficiency to a whole new level, delivering cloud operations at transformational speed, agility and economics.

High performance Elastic Block Storage (EBS) for On-Premises Clouds

The Igloo EBS is built to deliver intent-based multi-tenant aware storage with the ability to automate to scale through application awareness. The distributed system is completely self-aware, self-adaptive, and self-optimizing making it an autonomic organism adapting to the changes in the underlying infrastructure as well as the scale/changes in the workloads.

A scalable solution

Start small, and be able to scale fast. Traditional storage is limited in scale by the proprietary hardware frame size and performance, while EBS delivers "heterogeneous COTS scale-out". Software-based system will organically evolve-grow with new hardware, and decommission obsolete old hardware without any disruption. Data gets rebalanced and access optimized for the runtime workloads. No data migration. Nodes typically are capable of 50K IOPS/node with a 70/30 R/W mix. The platform has near linear scaling of performance when new nodes are added.

KEY FEATURES

- Up to 50,000 IOPS
- < 1ms latency and up to 2.5GB/s bandwidth
- Access protocols supported: iSCSI, iSER
- Any application. Any stack. Any Scale
- Adaptive data infrastructure for all business demands
- Run enterprise applications at web-scale economics



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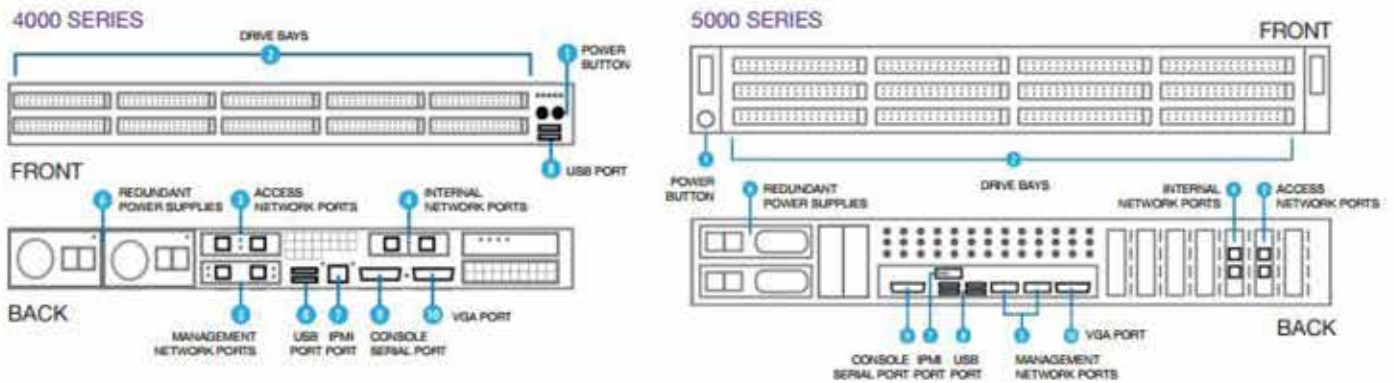
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APPLICATION SPECIFICATIONS



ELASTIC DATA FABRIC SPECIFICATIONS

ALL-FLASH NODE (AFN)

MODEL	STORAGE	SYSTEM CONFIG.	NETWORKING	POWER
DF 4010	9.6 TB Flash (raw)	2-socket Xeon E5-2630v4 196GB memory Mirrored boot drives	Management: Up to 3x1GbE RJ45 Access Network: 2x 10GbE SFP+ Internal Network: 2x 10GbE SFP+ (or) 40GbE QSFP	2x Hot-plug redundant high-efficiency 750W 150W to 300W depending upon I/O load
DF 4020	19.2 TB Flash (raw)	2-socket Xeon E5-2630v4 196GB memory Mirrored boot drives	Management: Up to 3x1GbE RJ45 Access Network: 2x 10GbE SFP+ Internal Network: 2x 10GbE SFP+ (or) 40GbE QSFP	2x Hot-plug redundant high-efficiency 750W 150W to 300W depending upon I/O load

HYBRID FLASH NODE (HFN)

MODEL	STORAGE	SYSTEM CONFIG.	NETWORKING	POWER
DF 5005	48 TB HDD (raw) 3.2 TB Flash (raw)	2-socket Xeon E5-2630v4 196GB memory Mirrored boot drives	Management: Up to 3x1GbE RJ45 Access Network: 2x 10GbE SFP+ Internal Network: 2x 10GbE SFP+ (or) 40GbE QSFP	2x Hot-plug redundant high-efficiency 750W 220W to 300W depending upon I/O load
DF 5010	96 TB HDD (raw) 6.4 TB Flash (raw)	2-socket Xeon E5-2630v4 196GB memory Mirrored boot drives	Management: Up to 3x1GbE RJ45 Access Network: 2x 10GbE SFP+ Internal Network: 2x 10GbE SFP+ (or) 40GbE QSFP	2x Hot-plug redundant high-efficiency 750W 220W to 300W depending upon I/O load

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