

## KEY FEATURES

Reduced Cost

High Availability

NFS Alternative

OpenZFS Powered

Smaller Capacities

Supports All Interconnects



## BOSTON DATASCALER-L SFF

### SMALL FORM FACTOR LUSTRE SOLUTION

Boston's dataScaler-L SFF (small form factor) appliance is the latest addition to Boston's Lustre based parallel file system portfolio and provides a lower cost / capacity entry point for Lustre storage systems. Traditional Lustre solutions on the market are focused on addressing the high end cluster users, while the Boston Lustre SFF is designed for small or mid-sized clusters with capacities as low as 18TB (and scaling to 720TB). This solution provides a high performance alternative to standard NFS and provides customers with the option to scale and grow as the cluster and user demands increase over time.

Lustre is the most widely used parallel file system in the HPC industry, however it is typically reserved for larger clusters and institutes with generous budgets. Small to medium sized clusters are typically deployed with NFS as a shared file system providing limited scalability and performance. The Boston Lustre SFF aims to address this problem. Enterprise Lustre provides unmatched speed, and efficiency compared to other platforms and gives you the ability to independently Scale-Out or Scale-Up your storage in response to user demands.



#### NETWORKING

We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.



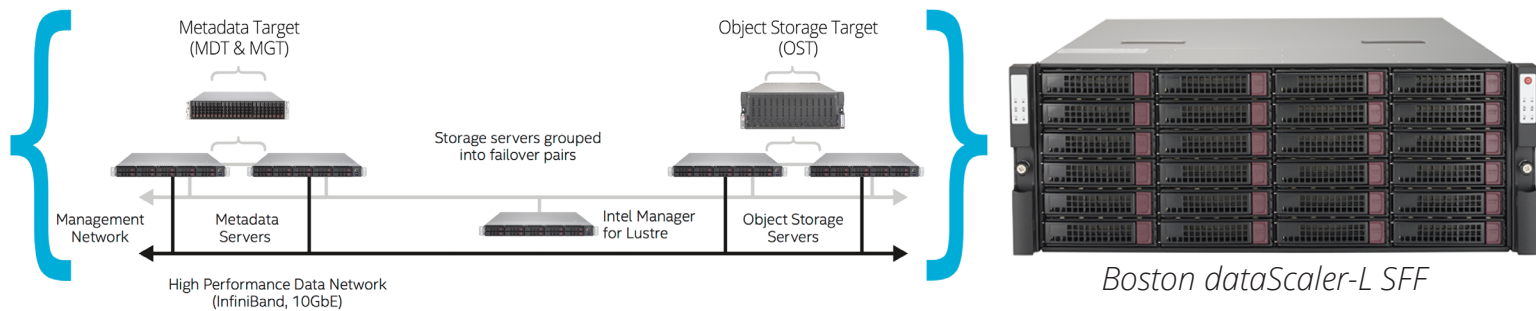
#### LEASING

All of our hardware and services are available to lease. Get in touch with our sales team to discuss your requirements.



#### GLOBAL SUPPORT & WARRANTY

Our after sales support team are on hand to answer any queries and provide warranty support services.



## EXECUTIVE SUMMARY

BACKGROUND	Lustre is a parallel file system used by the fastest supercomputers on the TOP500 and can serve tens of thousands of clients, tens of petabytes of storage, and hundreds of gigabytes per second of throughput across dozens of computer clusters.
TECHNICAL	Boston dataScaler-L SFF is highly configurable to optimize for the expected number of users and demands of a customer for expected data usage patterns while delivering good performance for typical workloads.
ENTERPRISE LUSTRE	Enterprise Lustre simplifies parallel storage for customers and Lustre experts at Intel provide global 24/7 technical support provides an online distributed file system checker (LFSCK) that can repair file system consistency after a major error and even while the file system is in use.
EXPANDABILITY	Boston dataScaler-L SFF is scalable to higher storage requirements by adding SFF expansion units tailored to current requirements while providing future-proofing as individual disks are integrated as needed.
HIGH AVAILABILITY	The Boston dataScaler-L SFF parallel file system supports high availability to handle target, net work port, and server failures. This is accomplished using Pacemaker and Corosync.
SYSTEM ARCHITECTURE	Many system administrators and users of enterprise class storage erroneously spend a great amount of time and money to locally optimize one small part of a system, and are disappointed when overall performance does not improve or even deteriorates.

Customised configurations are also available - contact us to discuss your requirements.