Lightbits Cloud Data Platform

HIGH PERFORMANCE DISAGGREGATED STORAGE

INTELLIGENT FLASH MANAGEMENT ™

Lightbits cloud data platform with Intelligent Flash Management (IFM) enables efficiency, simplicity and agility for the most demanding data workloads.
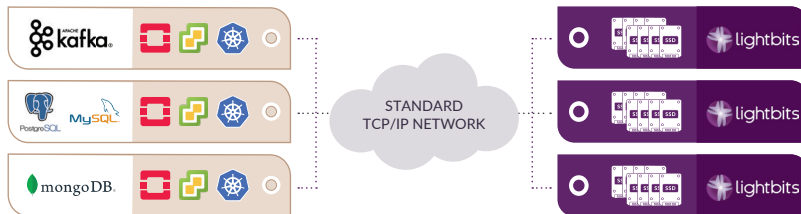
Lightbits' software-defined, disaggregated storage can be deployed on commodity servers over standard ethernet networks with TCP/IP protocol, requiring zero modification to applications. It is a scalable, composable NVMe over TCP-based cloud data platform with up to 4.7 million IOPS/server and 75 million IOPS/cluster with as low as 160μs of latency [1].

UP TO
75 MILLION IOPS [1]

INCREASE ENDURANCE BY UP TO
20X

IFM increases endurance by up to 20X. The platform is simple to consume and accelerates applications running on-premises, in private and edge clouds on bare metal, containerized, or virtual environments.

Lightbits cloud data platform includes enterprise data services to deliver greater storage efficiency and availability. These features include data compression, elastic RAID, replication, snapshots, clones, quality of service (QoS) and multi-tenancy.

EFFICIENCY
- Increase ROI with high performance
- Reduce TCO with disaggregation
- Extend flash endurance

SIMPLICITY
- Software-defined, API-driven architecture
- Enterprise data services and availability
- Standard Infrastructure

AGILITY
- Scale up or out, dynamically
- Deploy on any cloud: private, edge, or public
- VMware, Kubernetes, or OpenStack

LIGHTBITS CLOUD DATA PLATFORM

CLOUD.
WITHOUT COMPROMISE.
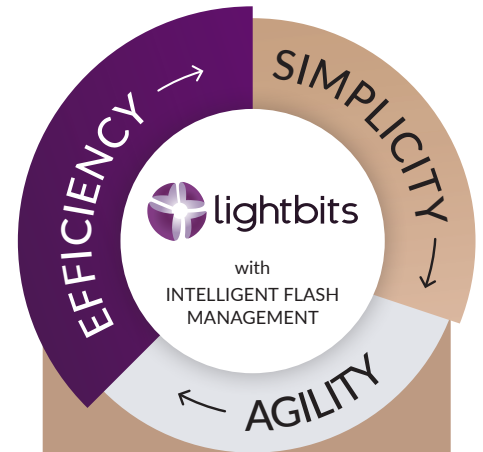Have it all. Your data at the edge, on-premises, private, or public cloud.

PROTECT YOUR DATA.
WITHOUT WORRY.
Don't let a disaster impact your business.

SCALE.
WITH CONFIDENCE.
Millions of IOPS at your fingertips.

PERFORMANCE YOU NEED.
ON YOUR TERMS.
Don't pay more for access to your data.

1. Read-only workload with a 16 node cluster.

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