Reimagine Block Storage on the Public Cloud with Lightbits

Lightbits on AWS is perfect for cloud and hybrid workloads, and is:

THE CHALLENGE WITH THE STATUS QUO

100 zettabytes of data will be stored in the cloud by 2025.* With the onslaught of enterprise data being poured into the cloud, organizations must solidify a future-proofed block storage strategy that can handle evolving storage needs.
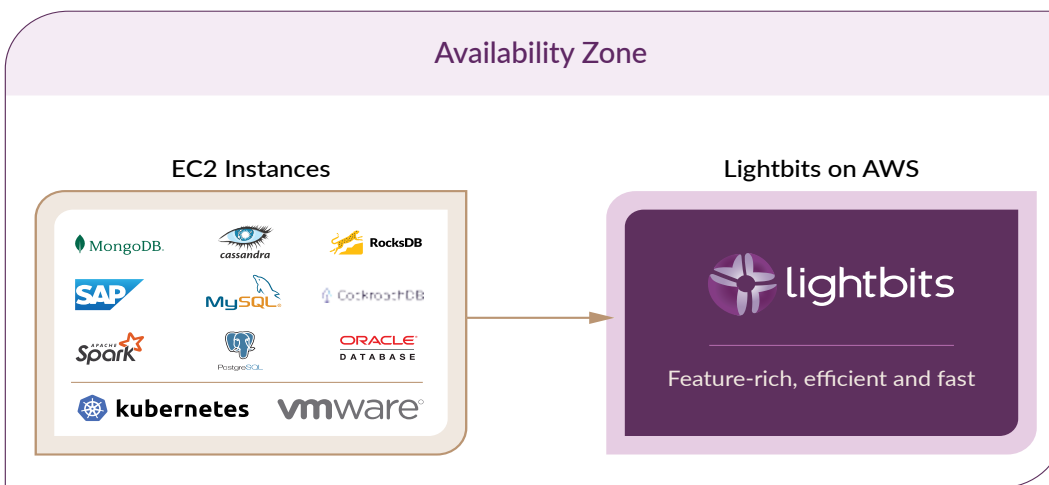
Current high-performance storage services options on the public cloud, while user-friendly, often fall short of meeting the performance demands of data intensive workloads, are expensive, and typically lead to vendor lock-in. Additionally, they lack the enterprise features and flexibility needed to handle corporate environment changes and charge customers for unused storage.

OUR SOLUTION: LIGHTBITS ON AWS

Lightbits on AWS comes built-in with the enterprise features customers desire and plugs directly into Intel® Xeon®-based storage optimized Elastic Cloud Compute (EC2) instances. The NVMe® over TCP (NVMe/TCP) optimized storage cluster offers users consistent low latency and high-performance access to data.

LIGHTBITS ON AWS DEPLOYMENT

Lightbits delivers enterprise-grade, resilient block storage that is easy to deploy and use. Lightbits provides greater cost-efficiency and amazing performance levels to boost your applications.

Simple.

Provision a storage cluster and start allocating data volumes in minutes with enterprise data services not found in other high-performance storage services.

Efficient.

Deliver lower total cost of ownership and higher return on investment with high-performance and built-in enterprise data services.

Agile.

Dynamically adjust storage to meet immediate needs. Only pay for the storage that is used and effectively spend less time on management and remediation activities.

Availability Zone

EC2 Instances

MongoDB. cassandra RocksDB
SAP MySQL CockroachDB
Spark PostgreSQL ORACLE DATABASE
kubernetes vmware

Lightbits on AWS

lightbits

Feature-rich, efficient and fast

COMPLETE DATA PLATFORM FOR AWS

We are on a mission to lead the cloud transformation by delivering fast, scalable, and efficient software defined storage that is easy to consume. Here's how we beat the competition:

Enterprise Features

Transition easily from old storage services—run Lightbits on virtually any storage instance type. Easily segment data for different groups thanks to multi-tenancy and enjoy free snapshots and restores.

Easy to Use

Setting up a storage cluster with Lightbits on AWS is simple. Have data in both the cloud and on-premises? No problem. Easily see it all in one intuitive interface, where it's stored in the most efficient way possible.

Cost Efficient

With Lightbits, clusters are auto-scaled so customers only pay for the storage that is used. Our built-in compression feature also shrinks data down to use less space—ultimately leading to more cost savings.

High Performance

When used with AWS storage optimized instances based on 3rd Gen Intel® Xeon® Scalable processors, Lightbits is faster than other block storage solutions. Customers can solve common bottlenecks with low latency and the highest performance in the industry.

How does Lightbits on AWS measure up to alternative storage platforms on the Public Cloud?

	Public Cloud Storage	Lightbits	Lightbits Advantage
Pay by Usage	No	Yes	Pay for what you deploy, not provision
IOPS	Up to 256K / Volume	[1]+1M / Volume	Meet application demands
Snapshots	$/Snapshot	no fee	Backup as needed
Restores and Clones	$/Restore and Clone	no fee	High speed restore
Cloud and On-Premise	Cloud Only	Yes	Flexibility
Thin Provisioning	No	Yes	Auto scale clusters
Compression	No	Yes	Capacity efficiency

[1] Performance measured by Lightbits using Flexible IO (FIO) on a 3 node cluster with AWS i4i.metal instances.

Use Cases

Migrate On-Premises SAN to AWS for I/O Intensive Applications

Relational or NoSQL Databases (Oracle, mySQL, Cassandra, MongoDB, Postgres)

Big Data Analytics

Data Warehouses

Business Intelligence

Machine Learning or Logs

Search, Spark,

Hybrid Cloud

Get your 30-day free trial of Lightbits on AWS today.

For more information go to www.lightbitslabs.com/aws

To get started using Lightbits on AWS, go to the AWS Marketplace, or contact info@lightbitslabs.com

ABOUT LIGHTBITS

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