FEATURES

SQL Select
Data processing platforms like Spark, Presto, Hive, and Flink can analyze data with SQL select queries without downloading the entire object. It supports Parquet, JSON and CSV formats, as well as zipped and encrypted objects.

Identity & Access Management
The MinIO Server integrates with identity providers WSO2, Keycloak, Okta, Ping Identity, Active Directory and others to authenticate applications and users.

Erasure Code & Bitrot Protection
MinIO's advanced capabilities in erasure code and bitrot detection mean that you can lose up to half the servers and half the drives, and continue to serve data. Data protection code is accelerated using SIMD instructions on x64 and ARM CPUs.

Multi-Site Federation
Federation combines an unlimited number of MinIO instances to form a unified global namespace.

Encryption & WORM
MinIO provides confidentiality, integrity and authenticity assurances by encrypting data with negligible performance overhead.
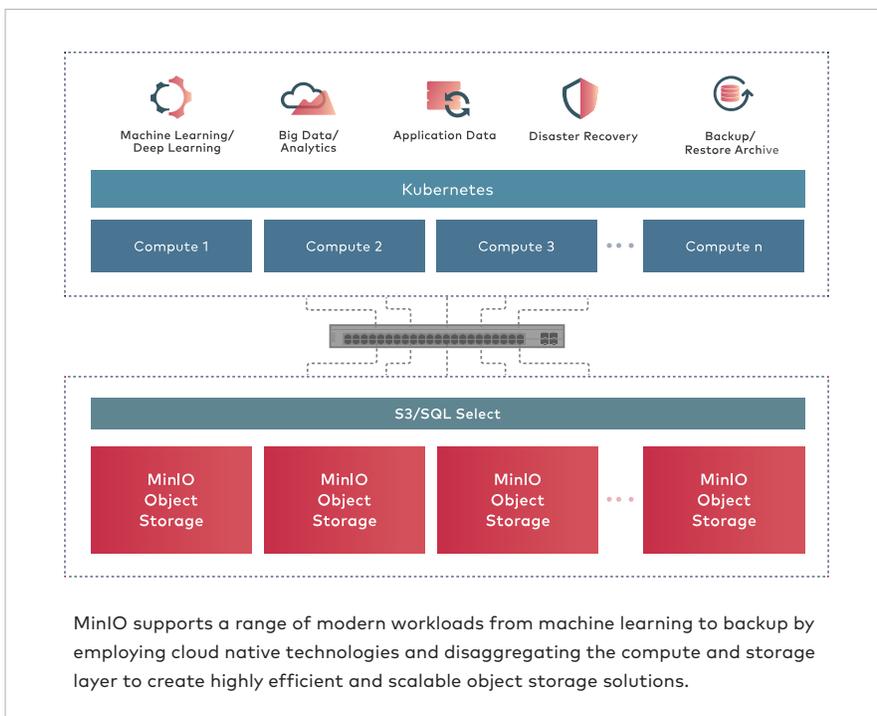
Continuous Replication
MinIO's continuous replication is designed for large scale, cross data center deployments. By leveraging Lambda compute notifications and object meta-data it can compute the delta efficiently and quickly - keeping data loss to a bare minimum should a failure occur - even in the face of highly dynamic datasets.

MinIO is the world's fastest growing, Amazon S3 compatible, distributed object storage system. While MinIO is ideal for traditional object storage use cases like secondary storage, disaster recovery and archiving, it truly excels in overcoming the challenges associated with machine learning, analytics and modern applications.

Minio is designed for hyperscale private cloud infrastructures and offers an expansive suite of features designed for enterprise deployments including data protection capabilities like erasure code, bitrot protection, encryption identity management and tamper-proofing. Additionally, Minio integrates with existing NAS and public cloud infrastructure allowing applications to seamlessly deploy across multiple backends.

Minio is architected to excel across several key dimensions:

- **Performance.** With its focus on high performance, MinIO enables enterprises to support multiple use cases with the same platform. For example, MinIO's throughput characteristics can saturate multiple 100Gb/sec network links per server, meaning that you can run multiple Spark, Presto, and Hive queries, or to quickly test, train and deploy AI algorithms, without suffering a storage bottleneck.

- **Scalability.** A design philosophy that "simple things scale" means that scaling starts with a single cluster which can be federated with other MinIO clusters to create a global namespace, spanning multiple data centers if needed. MinIO leverages the hard won knowledge of the hyper-scalers to bring a simple scaling model to object storage

- **Simplicity.** Simplicity reduces opportunities for errors, improves uptime and delivers reliability while serving as the foundation for performance. The amount of configuration options and variations is kept to a minimum which results in near-zero system administration tasks and few paths to failures. Upgrading MinIO is done with a single command which is non-disruptive and incurs zero downtime.

MinIO supports a range of modern workloads from machine learning to backup by employing cloud native technologies and disaggregating the compute and storage layer to create highly efficient and scalable object storage solutions.

SUBNET

While MinIO is available under the open source Apache V2 license, customers choose to purchase the software on a subscription basis. Their reasons for doing so differ, but they are unified in the value they see in the software coupled with a desire to have a deeper relationship with the team behind MinIO. In addition to the MinIO Object Storage suite (object storage server, multi-cloud gateway, client tools and SDKs) SUBNET customers will receive every significant release and new feature from upstream. Additionally. Subscribers receive:

Security updates and bug fixes

Every production deployment is different and presents different challenges. SUBNET subscribers receive timely security updates and bug fixes, individually tracked and prioritized for your environment - reducing costly incidents

Advanced diagnostics

MinIO SUBNET proactively generates trouble tickets for engineering support/review based on server logs. Alerts are also available via SMS and email.

Real-time engineering support

Directly engage with level 4 engineering support anytime (24 x 7 x 365) and receive the fastest resolution to your support incidents.

Customized release management

Operate your cloud storage infrastructure similar to the public cloud environment with a personalized release schedule. What this means is MinIO aligns its release schedule to yours - not the other way around. Extend MinIO's test environment with application- specific tests designed to catch bugs.

The World's Fastest Growing Object Storage System

15.4K+	204M+	345	4420
GITHUB STARS	DOCKER PULLS	CONTRIBUTORS	SLACK MEMBERS

ABOUT MINIO

Founded in 2014, MinIO is backed by some of the smartest minds in storage and venture capital including Nexus, General Catalyst, Dell Technologies Capital, Intel Capital, AME Cloud Ventures and key angel investors. The company has raised $23.3M through its Series A round.