Technologies

ARCHON
SECURE ACCESS ANYWHERE

Archon Cloud Storage
Combine cloud performance and convenience with on-premises control

Storage capacity requirements continue rising, accelerated by increasing use of video, Internet of Things data, and machine learning. IDC projects that the world will produce 300% more data from 2020 to 2025 than it did in the previous five years.

Most storage solutions involve trade-offs. Cost versus performance. Cloud convenience versus on-premises control.

Solution: The best of the cloud—in your data center

Archon Cloud Storage combines the best of cloud and on-premises storage to deliver high performance, control, and compliance with data security and privacy requirements. As a fully managed service, Archon Cloud Storage includes high-performance hardware dedicated exclusively to you, plus complete lifecycle services—all for a low monthly fee. We can deploy and manage your hardware anywhere—in your data center or in a top-tier data center.

Users experience fast performance thanks to a distributed architecture, purpose-built file system, and leading disk drive technology. Use cases range from deep archive using high-capacity NL-SAS drives to a high-performance data lake built for workloads such as AI/ML, IoT, and real time analytics. Use of commercially available hardware (servers, drives, and network devices) keeps costs down. You save more by avoiding the "data egress" fee charged by public cloud providers whenever you retrieve data. Upload and download data freely.

Solution highlights

- **Reliable.** No single point of failure.
- **Fast.** High-performance architecture, purpose built to meet the use case.
- **Secure.** All data is encrypted at rest. Integrity is checked every 90 days. Prevent data deletion or modification by designated some or all data as immutable.
- **Scalable.** Scale capacity on-premises from 22 petabytes to exabytes.
- **Advanced capacity reporting.** Monitor performance metrics and plan capacity upgrades on a web console.
- **Commercial Solutions for Classified (CSfC) compliant.** When used in conjunction with the Archon CSfC solution suite and Archon Proxima, Archon Cloud Storage provides a cost effective and secure data storage solution for classified data analytics or data sharing initiatives.
- **Flexible deployment options.** Depending on mission requirements and space, deploy Archon Cloud Storage in your own data center or a FISMA-compliant data center.
- **Multi-tenant support.** Multiple teams can securely share Archon Cloud Storage, lowering costs.