

Top 7 Benefits of Using Clouidian Object Storage with Splunk SmartStore

Save 60% on data storage with Clouidian and do more with Splunk.

Today's storage solutions must meet a demanding set of requirements. Data volume continues to grow, and organizations are placing more and more emphasis on leveraging data to gain insight and competitive advantage. Fortunately, object storage has distinguished itself as a reliable, high-performing, cost-effective technology which offers many benefits.



1. Reduced Storage Complexity

Splunk SmartStore simplifies storage by eliminating the concept of the “cold” bucket. There are only hot buckets (in the indexer) and warm buckets (in the object store). A copy of the data slated for the warm bucket is temporarily retained in the indexer in a SmartStore cache but is “evicted” when no longer active.

2. 60% Less Cost, More Scale

With SmartStore, warm indexes are moved to low cost object storage instead of utilizing high performant local SSD/Flash based local storage. In addition, cold buckets that were traditionally stored on NAS/SAN based remote storage are all rolled into the warm buckets and also stored on low cost object storage. Because Clouidian® object storage can be scaled to an exabyte — and expanded without interrupting workflows — it allows more data to be ingested. Less local storage is needed on indexers, reducing the indexer infrastructure required for equivalent performance. And the indexes can be stored much more cost-effectively.



3. Limitless Capacity

Object storage is scalable, providing limitless capacity. Unlike traditional disk-based storage systems, object storage is not hierarchical in structure. Nodes can be flexibly added non-disruptively whenever additional capacity is needed, thereby eliminating size limitations and removing barriers to growth.

4. High Data Durability

Object storage provides high data durability by replicating or distributing data across multiple nodes or locations using a process called “erasure coding.” These data protection options can be flexibly configured to provide assurance against the loss of a single node or even a complete site.



5. Fast Data Recovery

Trying to recover data across a wide-area network can be painstakingly slow. If the data files being recovered are too large or too numbered, it may be nearly impossible to meet recovery objectives. On-premises object storage eliminates this problem. It reduces the impact of network latency, thereby enabling fast data recovery, even for large files.

6. Customized Metadata

Cloudian object storage enables organizations to create custom metadata. This enables files to be searched easily and turns the object store into an active archive.



7. Hybrid Cloud Capability

Cloudian object storage is fully S3 API compatible, which allows developers to use the object store without making changes to their S3 APIs in development. In addition, Cloudian supports hybrid cloud configurations with policy-based tiering and data replication to the public cloud.