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Storage data

Storage data refers to any information that is saved, managed, and accessed within a storage system or device. This data can reside in various storage mediums, such as hard drives, solid-state drives (SSDs), cloud storage, or network-attached storage (NAS). It can range from raw binary data to complex structured datasets, depending on the purpose and type of storage system in use.

Storage data is critical for software applications, as it includes the data applications generate, process, or require to function. As applications grow, the volume of storage data might increase exponentially, requiring scalable storage solutions.

Storage data often goes through different stages, including creation, use, backup, archiving, and deletion. Sensitive storage data must be encrypted, access-controlled, and compliant with applicable regulations (for example, GDPR, HIPAA). Storage systems should optimize read/write speeds, especially for frequently accessed or real-time data.

Storage data typically includes:

- **User data**: Documents, media files, profiles, preferences
- **Backup and archive data**: Full backups, incremental backups, archived records, and snapshots
- **Cloud storage data**: Object storage, block storage, file storage, and shared data
- **Big data and analytics storage**: Data lakes, streaming data, analytics data, and extract, transform, and load (ETL) processes
- **Temporary and ephemeral data**: Temporary files, session cookies, build artifacts, and data buffers

You might also be interested in application data, database data, and infrastructure data.

Before looking at documentation for specific data sources, review the Splunk Help information on general data ingestion for Splunk Enterprise, Splunk Cloud Platform or Splunk Observability Cloud.

Common data sources

- Dell
  - Dell EMC PowerMax App For Splunk Enterprise
  - Dell EMC PowerMax Add-on for Splunk

    - Dell PowerScale Add-on for Splunk
- Commvault Splunk App
- IBM Storage Defender App for Splunk
- Splunk Add-on for Microsoft Cloud Services
- Veeam App for Splunk
- Cohesity Add-on For Splunk
- TA Synology (Community App)

Splunk Lantern articles for the Splunk platform

- Managing Dell Isilon network attached storage
- Measuring storage I/O latency
- Measuring storage speed I/O utilization by host
- Optimizing storage
- Sizing your Splunk architecture