

Storage All-in-One ETL

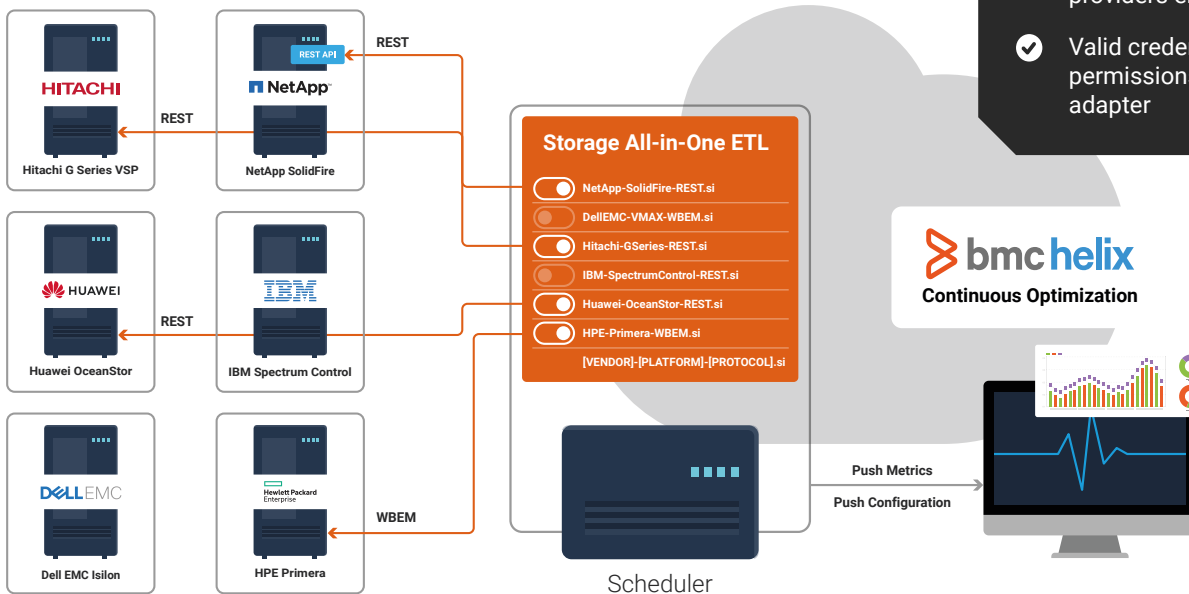
Storage All-in-One ETL brings detailed storage capacity and performance data from multi-vendor environments into BMC Helix Continuous Optimization. It helps identify capacity saturation risks, reclaim unused space, and plan future storage requirements.

How Storage All-in-One ETL Works

Storage All-in-One ETL runs within the **BMC Helix Continuous Optimization ETL Engine**. It uses Storage Intelligence Adapters to connect to storage systems or their management platforms and collect capacity and performance data.

Administrators configure ETL tasks in **BMC Helix Continuous Optimization**, select the appropriate storage adapter, and provide the endpoint address, credentials, and connection settings. The adapters discover the storage entities and collect data at the configured intervals.

The collected data is normalized and made available in **BMC Helix Continuous Optimization** and **BMC Helix Dashboards** for capacity analysis, trend reporting, and planning.



Requirements

- ✓ Any supported version of **BMC Helix Continuous Optimization**
- ✓ A **Sentry Bundle for BMC Helix Capacity Optimization** license
- ✓ Network access from the ETL engine to the storage systems or their management platforms
- ✓ The required management APIs or providers enabled and configured
- ✓ Valid credentials with the roles and permissions required by each storage adapter

Supported Storage Platforms

Storage All-in-One ETL supports enterprise disk arrays, NAS systems, software-defined storage, and object storage. Supported platforms include:

DELL Technologies

Avamar, Isilon, PowerFlex, PowerMax, PowerProtect DD, PowerStore, PowerVault, SC Series, Unity, VMAX, VPLEX, XtremIO...

HITACHI

E and G Series, GUM...

HPE

Alletra, MSA, Primera, StoreOnce...

IBM

DS8000, DS88xx, FlashSystem, Spectrum products...

NetApp

Active IQ Unified Manager, E-Series, ONTAP, SolidFire, StorageGRID...

Other platforms: Ceph, Cloudian HyperStore, Fujitsu Eternus, Huawei OceanStor, Oracle ZFS, Pure Storage, Qumulo, Scalify, Synology...

For the exhaustive list of supported platforms, refer to:



Collected Entities and Metrics

Storage All-in-One ETL collects capacity, performance, and configuration data for storage systems, pools, volumes, shares, filers, replication groups, namespaces, and buckets.

Depending on the adapter, storage system data also includes detailed controller, port, and disk statistics.

Available entities and metrics vary by platform, adapter, and instrumentation.

Entity	Collected Metrics and Properties
Storage Systems	Total, consumed, available, configured, subscribed, and committed capacity; oversubscription; IOPS and throughput; compression ratio; host and component counts. Detailed controller, port, and disk statistics are reported as subobjects.
Storage Pool	Total, consumed, available, configured, subscribed, and committed capacity; capacity utilization; overconfiguration and oversubscription indicators; operation rates; RAID level, disk type, and tier information.
Storage Volume	Host-visible and consumed capacity; mapping status; capacity allocated per host; read/write IOPS and throughput; response time; queue length; time since last activity; volume type and RAID level.
Storage Filer	Total, consumed, available, and committed capacity; CPU utilization; incoming and outgoing network traffic; IP addresses, port count, and OS version.
Storage Share	Capacity and utilization; committed space; snapshot reserve and usage; space savings; capacity and file-count quotas; operation rates and throughput.
Replication Group	Total, consumed, and available capacity; zone count; replication traffic sent and received; timestamp of the oldest replication chunk at risk if the local zone fails.
Namespace	Namespace capacity, bucket count, and object count.
Bucket	Consumed Capacity.



Ready to Optimize Your Storage?

Request a tailored demonstration or proof of concept to see how **Storage All-in-One ETL** can help you reclaim capacity, improve planning, and control costs across your storage infrastructure.



About Sentry Software

Sentry Software develops solutions that extend BMC Helix with deep visibility into hardware, storage, and custom technologies. Organizations across industries rely on Sentry Software to monitor heterogeneous infrastructure, optimize storage resources, and reduce operational complexity. Learn more: sentrysoftware.com



About BMC Helix

BMC Helix is an enterprise software company specializing in IT service and operations management. Its solutions help organizations manage IT services, monitor complex environments, automate workflows, and use AIOps and agentic AI to improve operational efficiency and service availability. Learn more: helixops.ai