Improve User Experience, Reduce Complexity, Meet Compliance and Legal Requirements, and Gain Business Continuity and Disaster Recovery Capabilities

Organizations have been struggling with the management of Microsoft SharePoint as it continues to be the fastest growing product in Microsoft history. Its adoption rate has been exponential, with millions of documents being stored daily. With its growth, critical documents and workflows are now being stored in SharePoint. That content is fraught with increasing demands to improve the user experience, increase operational agility, meet compliance and legal requirements, and provide improved business continuity and disaster recovery capabilities.

The Solution

Stealth Content Store (SCS) from Stealth Software is a software-only remote binary large object (BLOB) storage solution to efficiently manage active SharePoint content. SCS enhances the scalability, performance and security of Microsoft SharePoint. It separates structured and unstructured data at the SharePoint application layer: Only the structured data (metadata and content ID) is stored in the Microsoft SQL Server® database, while the unstructured (BLOB) data (typically 80-90% of SharePoint data) can be stored on less-expensive storage platforms.

SharePoint documents are fully encrypted at the SharePoint Web Front End (WFE) level and are secure “in flight” on the network and “at rest” in the target storage platform. Encryption keys are generated and managed on the premises and can reside in a secure SQL database.

The combination of SCS and Hitachi Content Platform (HCP) can support petabyte-size data requirements and reduce costs, complexity and management overhead. Hitachi NAS Platform is also supported as the external storage platform (see Figure 1).

A separate copy can be semi-synchronously written to a duplicate store: on the premises, in the cloud, or in a hybrid solution.

SCS has been architected from the “ground up” to provide the next generation of remote backup solutions (RBS) to support big data and cloud-ready security.

Direct Integration

With a direct Integration, Stealth Content Store has a certified HTTP REST integration with Hitachi Content Platform to perform certain tasks on HCP devices from the SharePoint interface. This extends the tremendous benefits of HCP to SharePoint content, taking advantage of a commonly used protocol.

Features and Benefits

Key features and benefits of Stealth Content Store include:

- **Scalability**, thanks to highly scalable petabyte-size SharePoint farms.
- **Performance**, with up to 20% performance improvements, including 7-8% encryption overhead.
- **Security**, as data is AES256 encrypted “in flight” and “at rest” to address requirements for data privacy, compliance, information protection and intellectual property protection.
- **Reduced cost**, SharePoint content databases reduced in size by 80% or more; with storage savings of up to 30% versus the cost of SQL and SAN environments.
- **Minimal complexity and management overhead**, thanks to lower administration requirements and reduced backup overhead with object-based storage.
File and Content Services

Hitachi Data Systems can help you address data growth challenges, managing unstructured data throughout its lifecycle and enabling cloud and converged infrastructure strategies. HDS provides both implementation and replication services to help you bring the benefits of Hitachi content solutions into your IT environment.

**Hitachi Content Platform Implementation Service** accelerates the time to deployment according to best practices, integrates the new platform into your environment, and protects data through replication.

**Hitachi Content Platform Replication Service** offers single or bidirectional replication configuration between 2 Content Platforms. It tests the replication for data ingestion, and provides ongoing knowledge transfer to help you effectively manage the solution after completion of the service.

- **Heightened business continuity and disaster recovery capabilities**, supporting multiple copies on the premises, in multiple geographic locations, or in the cloud.

Hitachi Content Platform from Hitachi Data Systems integrates seamlessly with Stealth Content Store. An intelligent, object storage system, HCP supports multiple tiers of storage for a wide range of structured and unstructured content. It also offers a multi-tenant architecture and object versioning, all in a single platform. Other features include:

- **Content immutability** via “write once, read many” (WORM) capabilities.
- **Content retention** at the storage layer.
- **Encryption** of data against unauthorized access.
- **Deduplication capabilities**: compression; built-in data protection, verification and repair; bidirectional tier to cloud.
- **Replication services** for disaster recovery.
- **High scalability**, up to 80PB.

Together, Hitachi Data Systems and Stealth Software provide a holistic approach to the management and increased performance of expanding SharePoint environments. To learn more, contact your HDS or Stealth Software representative or visit www.HDS.com.

![Stealth Content Store and Hitachi Content Platform offer a holistic approach to managing SharePoint environments.](image-url)