Hitachi Storage Optimization for Microsoft® SharePoint®

Address Common SharePoint Challenges With Familiar Tools Adapted to Existing Infrastructure

Microsoft SharePoint works with existing desktop applications and Web browsers to help you to easily create, manage and share content. Introducing Hitachi Storage Optimization for Microsoft SharePoint into the SharePoint environment allows SharePoint administrators to optimize and grow their infrastructure more efficiently. It helps them to reduce the total cost of storage ownership. Hitachi Storage Optimization for Microsoft SharePoint is a solution that enables data to tier from SharePoint to the Hitachi Content Platform (HCP) and Hitachi NAS Platform (HNAS).

Additional hardware or middleware is not required. Hitachi Storage Optimization for Microsoft SharePoint has many performance, productivity and cost savings benefits:

**Performance**

Hitachi Data Discovery for Microsoft SharePoint allows you to reduce the performance degradation inherent in large SharePoint environments. Offloading documents from SharePoint’s Microsoft SQL Server® (or SQL Servers) to target storage frees server resources that were processing and managing large amounts of data. This action improves productivity, data access and backup and recovery times. All data movement activity is transparent to the SharePoint end user.

**Productivity and Compliance**

Hitachi Storage Optimization for Microsoft SharePoint lets you apply corporate preservation and retention policies to SharePoint data. It also optimizes performance, availability and compliance with regulatory and litigation demands.

**Cost Savings**

In addition, Hitachi Storage Optimization for Microsoft SharePoint provides extensive cost savings. It reduces the need for additional SQL hardware and software licenses, controls growth by tiering data to less expensive storage media, and improves performance.

**Basic and Farm Licenses**

Hitachi Data Discovery for Microsoft SharePoint is available for a single server farm (Basic) as well as for a multiple server farm (Farm). Both licenses provide file and content tiering and archiving from SharePoint to Hitachi Content Platform and Hitachi NAS Platform. Both SharePoint 2010 and 2013 are supported.

**Typical Use Case**

SharePoint authorized users leverage Hitachi Storage Optimization for Microsoft SharePoint to set policies on information within site collections, sites or document libraries. Policies trigger an action, such as migrating a document with a copy of its metadata to the storage platform. Other actions include leaving a stub and placing the information in collections based on retention practices, access and so forth. SharePoint administrators can leverage the RBS Provider for Hitachi Storage to tier documents from a SharePoint content database to HCP or HNAS. In both cases, the data is sent directly to HCP or HNAS and not into the SharePoint content database.

Hitachi Content Platform or Hitachi NAS Platform receives the content and manages the long-term storage of the data from creation to disposal. The access paths to the remote data are preserved in SharePoint and the load on the SharePoint database is dramatically reduced.
During the life of the data, you can leverage the familiar SharePoint interface to search and access content as needed. Microsoft Active Directory® integration ensures that your end users find and access only data to which they are entitled.

In cloud or onsite environments with HCP, SharePoint administrators can choose specific namespaces as target storage and allocate and track storage consumption. This allows for flexible SharePoint administration.

To meet legal or compliance needs, you can choose to set retention, shredding or litigation hold or release on information tiered to HCP. Once data has reached end of life based on legal, regulatory and business process requirements, it can be electronically shredded and documented as such for complete chain of custody and audit trail compliance.

FEATURE HIGHLIGHTS

Basic and Farm Licenses
- Support single or multiserver Microsoft SharePoint farms.
- Support SharePoint 2010 and SharePoint 2013.
- Allow seamless and simplified integration with SharePoint, Hitachi Content Platform and Hitachi NAS Platform.
- Support RBS Provider for Hitachi Storage
- Enable versioning of files.
- Provide cost-effective, scalable and tamperproof archive and restore capabilities for multiple data types.
- Provide authentication for all functions that Microsoft Active Directory governs.
- Enforce retention policies on critical business.
- Apply multiple target storage options to meet different data needs.
- Support Microsoft Windows Server® 2008 R2 Enterprise Edition (32-bit x86 and 64-bit x64), Microsoft Windows 2012 Data Center.
- Support Hitachi Content Platform and Hitachi NAS Platform as target storage.

CHALLENGES AND BENEFITS

Common Microsoft SharePoint Challenges
- SharePoint document growth overloads Microsoft SQL Server.
- High SharePoint adoption rate causes management headaches.
- SharePoint growth strains server performance, resulting in slower document query and retrieval.
- SharePoint content retention and management issues create legal risks for corporation.
- SharePoint SQL Server storage has high total cost of ownership.

Key Hitachi Data Discovery Benefits
- Reduce current and required storage for SQL Server databases for SharePoint: Offload data from SharePoint to other tiers of storage.
- Consolidate content from multiple SharePoint environments.
- Optimize performance, scalability and availability of SharePoint environments.
- Efficiently manage file and content preservation and retention.
- Tier data to less expensive storage, reclaim high-performing disk drives.