IBM Aspera for Microsoft SharePoint

Increasing the value of SharePoint with fast, secure transfers of very large files and data sets

Key benefits & capabilities

- Fast uploads and downloads for files and data sets of any type and size into SharePoint regardless of distance or network conditions

- Eliminates SharePoint 2GB file size limit and 4TB content repository limit

- Reliable and predictable transfers with resume in case of interruption

- Secure transfers with encryption over the wire and at rest

- Flexible deployment, supports storing file data on-premises and in the cloud

High-speed transfer for SharePoint

Microsoft SharePoint has been adopted by companies worldwide for knowledge capture, collaboration, and document storage. Many of these organizations have been unable to take full advantage of SharePoint because of its file size and repository size limitations, and poor performance transferring large files and data sets over wide area networks.

IBM® Aspera® for Microsoft SharePoint is for organizations who need to quickly, predictably, and securely store and access high volumes of large files in SharePoint.
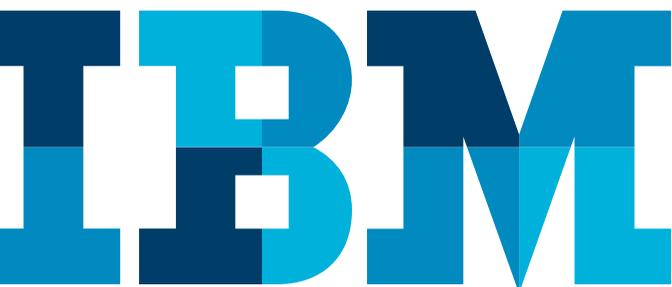
This solution is designed to seamlessly integrate the patented FASP® transfer technology into SharePoint document upload and download workflows. Using Aspera, customers can not only overcome the file size and repository size limitations of SharePoint, they also can transfer files into and out of SharePoint at much higher speeds with auditable and predictable results.

Expanding the value of SharePoint

Aspera for Microsoft SharePoint enables users to take advantage of SharePoint document management capabilities for files that may be distributed on multiple file systems. That means users can upload large video files, imagery files, laser scan data, and other large files leveraging SharePoint document library structures and metadata for organization and search.

Aspera upload and download capability integrates directly in the SharePoint web interface and allows customers to leverage application permissions and document library structures, completely configurable within the standard SharePoint workflow.

Files are stored outside of SharePoint content repositories making it possible to separate file storage from SharePoint database storage locations.
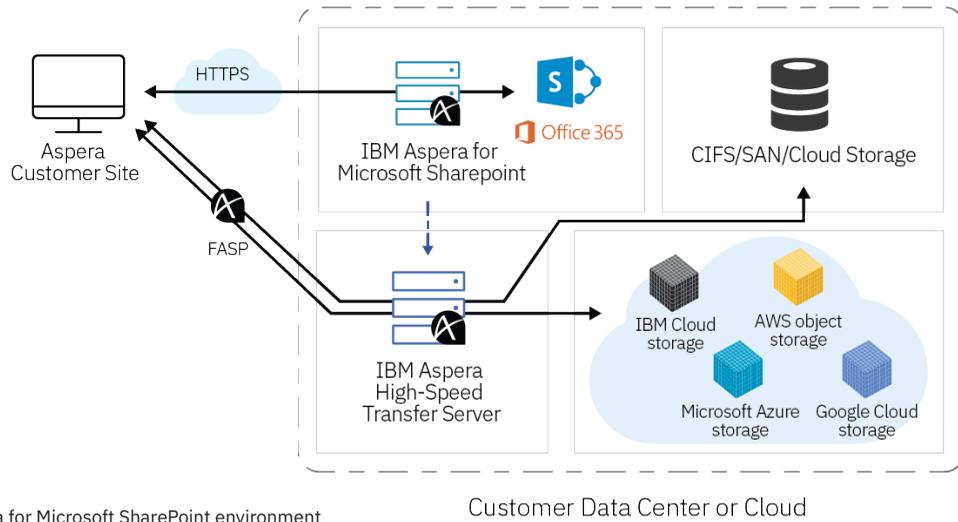
Figure 1: Diagram of the Aspera for Microsoft SharePoint environment

Customer Data Center or Cloud

Aspera and Microsoft SharePoint

Aspera brings high-speed FASP transfers to the large number of customers who use SharePoint for electronic document management and archiving, reducing transfer times and enabling the storage of very large files and volumes of data.

Typical Applications

- **Media and entertainment:** Large media storage for video and photography assets
- **Engineering and architecture:** Archiving of high-resolution satellite imagery, laser scan data, design models, and digitized documents
- **Health care:** Archiving large volumes of imagery and scanned medical records information such as x-rays, videos and scanned documents
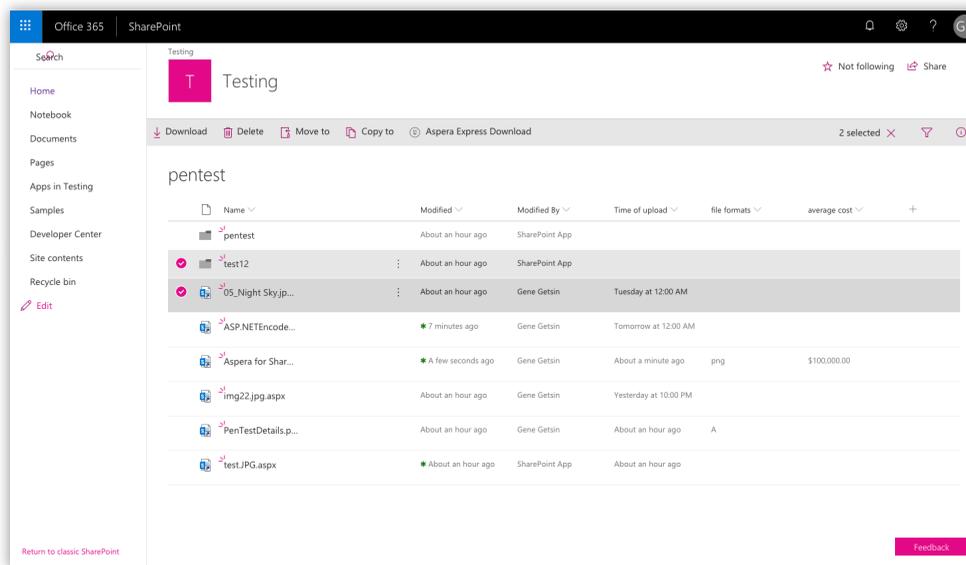

Figure 2: View of large files and folders for download from Microsoft Sharepoint using Aspera FASP technology

Seamless SharePoint integration

- Aspera high-speed FASP uploads and downloads enabled directly from within the SharePoint document library interface
- Uploaded documents appear in document libraries and are accessible through hyperlink
- Upload individual files or whole directories; directory structures will be automatically created inside the SharePoint document library
- Leverage existing Active Directory, SharePoint permissions, and document libraries
- Use simple IBM Aspera Drive client to browse and access SharePoint data in remote directories
- Drag-and-drop files or folders into and out of SharePoint using Aspera Drive, which is natively integrated with Mac Finder and Windows File Explorer
- Check-in/Check-out workflow enables basic collaboration

Expand the capability of SharePoint

- All files are transferred using Aspera's FASP protocol meaning that transfers are fast, secure, predictable, resumeable, and auditable
- No limits on file sizes
- No limits on the number of files and total repository size
- Extraordinary bandwidth control with pre-set or on-the-fly management
- Use familiar SharePoint tools (such as Microsoft Office) to create and edit files, but still use Aspera to download these files.
- Versioning support for files stored in SharePoint
- Greatly increases scalability, though multiple site collection support
- Full support for SharePoint recycle bin
- Support for modern UI in Office 365
- Support for custom metadata

Configurable storage locations and security

- Store uploaded data on distributed file systems and separate stored files from SharePoint SQL Server databases
- Use cloud or on-premises storage
- Encrypt data during transfer or at rest

Key features

- Automatically reference files that have been uploaded through Aspera in the standard SharePoint document libraries
- Completely configurable within SharePoint workflow.
- Monitor and track transfers, users in SharePoint or IBM® Aspera® Console
- Supports SharePoint check in and check out
- Store files on the cloud, on-premises, or in hybrid storage
- Reuse existing SharePoint user roles and permissions
- Upload single files or entire directories in a single step
- Access files from Aspera desktop, web, and mobile clients

Supported platforms

- Microsoft SharePoint Server 2013/2016 and Office 365
- IIS 8.0 (preferred) or later
- All SharePoint supported browsers

Supported configurations

- SharePoint standalone or server farm configurations
- On-premises SharePoint Server deployments only
- Distributed file storage on-premises, on the cloud, or hybrid
- Recommended for Intranet SharePoint deployments focused on file and data management and archiving

Aspera software and license requirements

- Aspera for Microsoft SharePoint which includes web app, configuration, and file sync components
- IBM® Aspera® High-Speed Transfer Server
- Unlimited Aspera Connect client licensing
- Optional use of IBM® Aspera® Drive client and IBM® Aspera® Desktop Client
- Optional use of Aspera Console to monitor transfers and user activity

To expand SharePoint document workflows, organizations can use other IBM Aspera desktop, mobile, and web clients or the Software Development Kit (SDK).

About IBM Aspera

Aspera, an IBM company, is the creator of next-generation transport technologies that move the world's data at maximum speed regardless of file size, transfer distance and network conditions. Based on its patented, Emmy® award-winning FASP® protocol, Aspera software fully utilizes existing infrastructures to deliver the fastest, most predictable file-transfer experience. Aspera's core technology delivers unprecedented control over bandwidth, complete security and uncompromising reliability. Organizations across a variety of industries on six continents rely on Aspera software for the business-critical transport of their digital assets.

For more information

On IBM Aspera solutions, please visit us at https://www.ibm.com/cloud/high-speed-data-transfer or contact aspera-sales@ibm.com.