

# IBM Aspera Drive

*Secure, high-speed file sharing and sync from the desktop*

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## Key benefits & capabilities

- Integrated secure desktop browsing of content on remote Aspera servers with IBM® Aspera® Shares authentication
  - Drag and drop files or folders to initiate high-speed FASP transfers to and from remote shares (on-premises and on cloud)
  - Integrated Faspex™ package sending and receiving with right click send and subscribe to download to the desktop automatically
  - Background file synchronization with remote sites, servers and other Aspera Drive users
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File sharing and synchronization services have become popular because of the growing need to improve both data access and document sharing across teams. However, limitations in file sizes and concern over security and service levels has limited adoption to simple collaboration scenarios with small teams and small files.

Unlike the myriad of “Drive,” “File Sync” and “File Sharing” services on today’s Internet, IBM® Aspera® Drive (Aspera Drive) is a powerful and easy to use high-performance file sharing and synchronization solution for the Windows and Mac desktop.

Built on the Aspera FASP® technology, Aspera Drive breaks all the enterprise barriers of conventional desktop drive and sync products, combining secure remote browsing, high-speed transfer, and synchronization of any size data from the user’s file explorer to any content storage location, giving the enterprise a breakthrough alternative to the commodity consumer cloud file sharing services.

The FASP transfer platform, which powers the Aspera Drive file-sharing ecosystem, eliminates the trade-off decisions across access, security, infrastructure and cost. Customers have the flexibility to deploy in-house on dedicated infrastructure, in the cloud with virtual servers and storage, or using hybrid infrastructure combining on-premises and cloud. These options allow organizations to take full advantage of storage and bandwidth at any location, retaining full control over security and service levels, while enjoying the fastest possible access and transfer times.



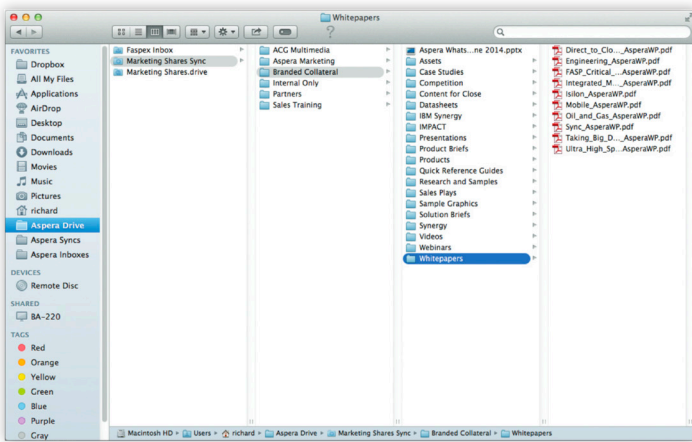


Figure 1: The Aspera Drive file folder interface

## Aspera Drive – The desktop experience

Aspera Drive enables the transfer and synchronization capabilities of the Aspera high-speed transfer platform directly within the desktop file explorer:

- Remotely browse shared files, and easily move those files and folders between platforms with a simple drag and drop from Windows Explorer and Mac Finder.
- Directly synchronize any network file system or local directory with remote servers and other Aspera Drive users, or mirror content from remote sites.
- Deliver large files or entire directories as Faspex packages to remote project teams by simply right-clicking and entering the recipient's email address.
- Subscribe and automatically receive Faspex packages to their Aspera Drive inbox.
- Secure all the data with the powerful and flexible security model combining authorization with enterprise Active Directory/LDAP, fine grained access control and encryption over-the-wire and at rest.

## Next generation web and platform experience

Aspera Drive is powered by Aspera's latest high-performance digital delivery platform, which unifies all of the file sharing and package sending capabilities into a web application tier that deploys in conjunction with Aspera high-speed transfer servers on-premises or in the cloud.

- Store data in the cloud with native support for direct transfer to IBM Cloud®, Google Cloud Storage, OpenStack Swift, Amazon S3 and Microsoft Azure Blob. The deep integration with the object storage APIs adds transfer management features including pause, resume, and encryption over the wire and at rest and HTTP fallback.
- Balance resources and load with the auto-scaling platform which scales transfer capacity in near real-time with automatic start/stop of transfer server instances, automatic balancing of client requests, and configurable service levels to manage transfer load, “burst” capacity and decommissioning of unused instances.

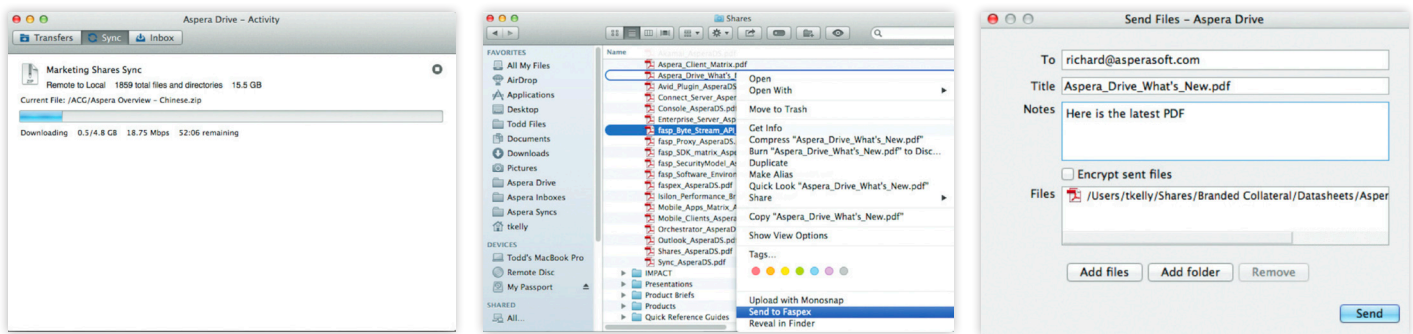


Figure 2: Various views of Aspera Drive: Background sync in progress (left); right-click on a file to send via Faspex (middle); and sending a Faspex package (right)

## Product highlights

### Built on FASP

- Maximum transfer speed.
- Extreme file sizes and data sets over global distances.
- Built-in security with encryption over the wire and at rest
- Direct high-speed transfer with remote cloud and traditional on-premises storage.

### Next generation back-end

- Powerful web tier powers the file-sharing ecosystem.
- Supports direct transfer to IBM SoftLayer, Google Storage, OpenStack Swift, Amazon S3 and Microsoft Azure Blob.
- Provides access control, integrated remote transfer and email integration.
- Email notification on new package availability or new content uploaded to an Aspera Shares folder.

## 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](mailto:aspera-sales@ibm.com).



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