IBM Aspera client software
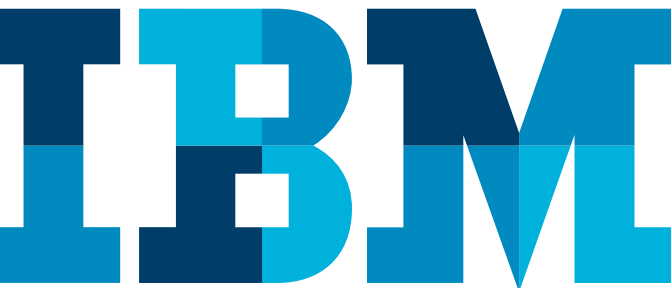
Functionality comparison

Key benefits & capabilities

- High-speed, FASP transport with real-time transfer monitoring and bandwidth control

- Built-in security with user authentication, encryption in transit and at rest, and data integrity verification

- Pause, cancel and resume functionality with automatic retry on failure

- Advanced features include automation with hot folders, scripting, custom post-processing as well as integrated scheduling, queuing, and reordering control

IBM® Aspera® client applications and SDKs enable high-speed FASP® - powered file transfers of any size, across global distances from anywhere in the world, and with any Aspera transfer server running on-premises or on a cloud platform. Available on Windows, Mac, and Linux, and as a plug-in for web browsers and an add-in for Microsoft Outlook, Aspera client applications provide an intuitive user interface, transfer monitoring and rate control, built-in security, and highly reliable transfers.

The table on pages two and three provides a functionality comparison of IBM Aspera's client software across several areas including the transfer paradigm, management paradigm, automation, monitoring and reporting, licensing and deployment, platform and browser support.

Functionality comparison

	Aspera Desktop Client	Aspera Connect	Aspera Drive	Aspera Cargo	Aspera Add-in for Microsoft Outlook	Command-Line Interface	Transfer SDK
Based on FASP® technology: maximum transfer speed, bandwidth control, security, and scalability	✓	✓	✓	✓	✓	✓	✓
Client type	Desktop GUI, CLI	Web API	Desktop GUI	Desktop GUI	Integrated with Outlook Client	CLI	Embeddable
Browser-based	✗	✓	✗	✗	✗	✗	✗
TRANSFER PARADIGM							
Supports connections with	High-Speed Transfer Server, High-Speed Transfer Endpoint, Shares	High-Speed Transfer Server, Faspex,Shares, Aspera on Cloud,	High-Speed Transfer, Server, Shares, Faspex, Aspera on Cloud,	Faspex	Faspex	High-Speed Transfer Server, Faspex, Shares	High-Speed Transfer Server, High-Speed Transfer Endpoint
Client-server with remote file browsing	✓	✗	✓	✗	✗	✓	✓ (if built using APIs)
Person-to-person delivery via email addressing	✗	✗	✓	✓	✓	✓	✓
Supports transfers to, from and between IBM Cloud Object Storage, Google Cloud Storage, OpenStack Swift, Amazon S3 and Microsoft Azure Blob	✓	✓	✓	✓	✓	✓	✓
FASP transfer sessions across secure DMZs	With Proxy Gateway	With Proxy Gateway	With Proxy Gateway	With Proxy Gateway	With Proxy Gateway	With Proxy Gateway	✗
MANAGEMENT & REPORTING							
Basic transfer bandwidth and progress reporting	✓	✓	✓	✓	✓	✗	✓
Real-time client-side control of transfer speed & priority	✓	✓	✓	✓	✓	✓	✓ (if built using APIs)
Real-time transfer activity monitoring	✓	✓	✓	✓	✓	✗	✓
Logging of transfer details to flat file	✓	✓	✓	✓	✓	✓	✓
Email notifications from client	✓	✗	✗	✗	✗	✗	✗
Delivery confirmation manifest	✓	✗	✗	✗	✗	✗	✗
AUTOMATION							
Watchfolders	✓	✗	✗	✗	✗	✗	✓
Automatic forwarding on server	✓	✓	✗	✓	✓	✗	✓
Automatic downloads	✓	✗	✓	✓	✗	✗	✓ (if built using APIs)

Functionality comparison

	Aspera Desktop Client	Aspera Connect	Aspera Drive	Aspera Cargo	Aspera Add-in for Microsoft Outlook	Command-Line Interface	Transfer SDK
AUTOMATION (cont.)							
Transfer queuing control	✓	✓	✓	✓	✓	✗	✓ (if built using APIs)
Transfer scheduling control	✓	✗	✗	✗	✗	✗	✓ (if built using APIs)
Scriptable command line	✓	✗	✗	✓	✗	✓	✓
Java, C++ and .NET direct API	✓	✗	✗	✗	✗	✗	✓
Web services API	✗	✗	✗	✗	✗	✗	✓
JavaScript / dynamic browser API	✗	✓	✗	✗	✗	✗	✓
LICENSING & DEPLOYMENT							
License required per client	✓ (single-user license)	✗	✓ (single-user license)	✓ (single-user license)	✓ (single-user license)	✓	Depends on deployment
Free client (requires server license)	✗	✓	✗	✗	✗	✓	Depends on deployment
Transfers limited by licensed Bandwidth Capacity	Limited by server	Limited by server	Limited by server	Limited by server	Limited by server	Limited by server	Depends on deployment
PLATFORM SUPPORT							
Microsoft Windows	✓	✓	✓	✓	✓	✓	✓
Mac OS X	✓	✓	✓	✓	✗	✓	✓
Solaris	✓	✗	✗	✗	n/a	✗	✓
Linux (Intel)	✓	✓	✗	✓	n/a	✓	✓
AIX	✓	✗	✗	✗	n/a	✗	✓
Automated UI language selection based on OS language (English, Spanish, French, Japanese, Simplified Chinese)	✗	✓	✗	✗	✗	✗	✗
BROWSER SUPPORT							
Microsoft Internet Explorer & Edge	n/a	✓	n/a	n/a	n/a	n/a	✓
Mozilla Firefox	n/a	✓	n/a	n/a	n/a	n/a	✓
Apple Safari	n/a	✓	n/a	n/a	n/a	n/a	✓
Google Chrome	n/a	✓	n/a	n/a	n/a	n/a	✓

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/products/aspera or contact aspera-sales@ibm.com.

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