

IBM Aspera Endpoint

High-speed data transfer solution
for direct, point-to-point Aspera
FASP® transfers.



Highlights

Highly scalable, reliable transfers, supporting tens of concurrent transfer sessions and multi-gigabit-per-second aggregate throughput.

Aspera file synchronization included.

Leverage Aspera's APIs and SDKs for custom applications and deep integration

IBM® Aspera® Endpoint provides a simple, yet powerful, solution to initiate and send files from one location to another, whether on-premises, in a data center. With Aspera FASP® (Fast and Secure Protocol) at its core, IBM Aspera Endpoint delivers unmatched high-speed file transfer performance, offering maximum throughput independent of distance and network conditions. It achieves speeds up to 100s of times faster than HTTPS/FTP/SCP, providing secure file transfer and exceptional bandwidth optimization. Aspera Endpoint supports bulk data transfer, making it ideal for handling large file transfers and high-performance data transfer needs.

Fast Reliable Transfers

Manually or automatically transfer files and directories, or schedule repeating transfers. Allocate bandwidth based on transfer priority for accelerated file transfer. Enable connections with a variety of client options, including desktop applications and mobile apps. Automatic retry-and-resume from the point of interruption ensures reliable file transfer, even under challenging network conditions.

Automated, High-Speed Remote Backup and Disaster Recovery

Set up an easy-to-maintain, high-speed file transfer repository to enable backups of critical files (e.g., CAD projects, game builds, video edits, etc.). During disaster recovery, large volumes of big data files can be restored to a user's desktop faster than traditional TCP-based transfer technologies like FTP or HTTP, saving hours or even days. This offers a clear advantage for industries dealing with scientific data transfer, genomics data transfer, or healthcare data transfer.

Comprehensive Administration

Set up transfer priorities and define aggregate or per-flow bandwidth allocation. Customize settings by time of day, day of the week, user or group, client IP address, or metadata to meet specific business needs. Streamline managed file transfer (MFT) across multiple departments or teams with ease.

Comprehensive Workflow Automation

Unrivalled Aspera Performance

Powered by Aspera's patented FASP® transport technology, content can be sent at high-speed, regardless of file sizes, transfer distances, or network conditions. Aspera's precise bandwidth control ensures that the entire allocated bandwidth is fully utilized, achieving maximum transfer speeds while remaining fair to other business-critical network traffic. Automatic, fast, and lossless inline compression reduces data set transfer sizes, further enhancing Aspera's industry-leading file transfer acceleration.

Built In Security

Keep your business-critical digital assets safe with Aspera's enterprise-grade security features, including:

- SSH authentication
- FIPS 140-2 Level 1 compliant cryptographic module
- Data integrity verification for each transmitted block
- AES-128/192/256 data encryption in-transit and at-rest, both client-side and server-side.
- Configurable per-user encryption settings and minimum password strength to maintain the highest levels of secure data exchange.

Precise Bandwidth Utilization Control

- Adjust bandwidth utilization on the fly, ideal for boosting file transfer acceleration for time-critical content or throttling down less important transfers to leave bandwidth for other business-critical network traffic.
- Offers real-time visual monitoring of transfer progress and transfer queue for a transparent and controlled file transfer process.

Supported platforms

- Servers
- Windows
- Linux
- Mac

About IBM Aspera

IBM Aspera offers 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

To learn more about IBM Aspera contact your IBM representative or IBM Business Partner, or visit ibm.com/products/aspera

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