filecatalyst

by HelpSystems

High Speed File Transfers

FileCatalyst is an Emmy® Award file transfer acceleration solution designed to accelerate and optimize file transfers across global networks. Being immune to packet loss and latency, FileCatalyst can send files hundreds of times faster than traditional methods such as FTP, HTTP or CIFS, while adding security and reliability.

The FileCatalyst Platform

Moving files is a critical process for your organization. FTP can be slow and unreliable, a combination that causes lost productivity and frustration. International file transfers are especially problematic, frequently disconnecting and almost never reaching full line speed. Predictability and "guaranteed file delivery" are virtually impossible with FTP.

FileCatalyst provides FTP alternatives that enable you to send files of any size or format at full line speed, hundreds of times faster than FTP, while ensuring secure and reliable delivery. All products in the FileCatalyst suite also integrate seamlessly with each other.

Each FileCatalyst product serves a unique set of organizational file transfer needs and works across a variety of industries. On its own, FileCatalyst Direct uses the FileCatalyst Server and a full suite of client options for point-to-point transfers. Combining FileCatalyst Direct with FileCatalyst Workflow provides a complete managed and accelerated web-based solution.

FileCatalyst® Reinventing File Transfer

- *Send files at speeds of 10Gbps and up*

- *Reliable delivery with checkpoint restart and integrity check*

- *Industry standard 256-bit AES encryption*

- *Watch folders / automation and web browser integration*

- *Integrated with leading broadcast workflow and MAM solutions*

- *Tightly integrated with leading cloud storage providers*

Adding FileCatalyst Central allows you to monitor your organization's entire FileCatalyst deployment by offering a consolidated web-based view of file transfers on your network.

The FileCatalyst Speed Chart

1 Gbps Connection — FTP

	Distance	FTP	FileCatalyst
Amsterdam to London RTT 50ms, 10 GB file	Distance: 222 Mi / 357 Km	1 hr 28 min	1 Minute 23 Sec
NYC to Buenos Aires RTT 150ms, 10 GB file	Distance: 5,295 Mi / 8,521 Km	3 hr 6 min	1 Minute 23 Sec
LA to Mumbai RTT 220ms, 10 GB file	Distance: 8,684 Mi / 13,975 Km	3 hr 22 min	1 Minute 23 Sec

10 Gbps Connection — FTP

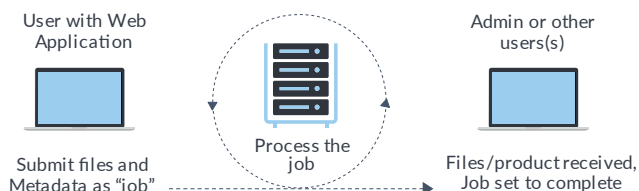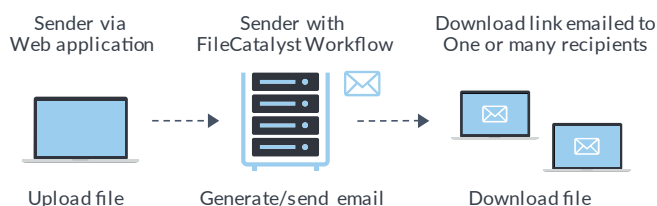|	Distance	FTP	FileCatalyst
LA to New York RTT 70ms, 10 GB file	Distance: 2,448 Mi / 3,939 Km	2 hr 19 min	8.4 Seconds
LA to Rio de Janeiro RTT 130ms, 10 GB file	Distance: 6,295 Mi / 10,130 Km	3 hr 27 min	8.4 Seconds
London to Sydney RTT 300ms, 10 GB file	Distance: 10,571 Mi / 17,012 Km	5 hr 50 Min	8.4 Seconds

FileCatalyst Workflow

File Exchange Simplified

FileCatalyst Workflow is a web portal for all your file transfer needs. It simplifies file exchange and boosts productivity by streamlining submission, distribution, and file sharing workflows on the web. Users may submit files to your organization for processing, with full tracking at every stage, or they may securely distribute files to anyone with an email address. Additionally, file areas allow users to store files in your organization's private cloud for collaboration, with online access from anywhere.

FileCatalyst Workflow

- *Web portal for sharing, submission and distribution*
- *Online file sharing and collaboration*
- *Flexible authentication: LDAP/AD, SSO, Multi-Factor, or built-in*
- *Automated archiving and file deletion*
- *Customizable metadata fields*
- *Automated job submission via FileCatalyst HotFolder*

File Submission

User with Web Application

Submit files and Metadata as "job"

Process the job

Admin or other users(s)

Files/product received, Job set to complete

Used for file submission, FileCatalyst Workflow creates a web portal for uploading files and also collects any information (metadata) needed to process those files (for example, processing instructions or quantity of goods ordered). Files and metadata combined are called a "job". Jobs may go through any number of phases while being tracked through the system until finally reaching the completed state.

File Sharing

Any machine

Web folder

Optional sharing

With FileCatalyst Workflow as the central storage location for one or more web folders, users have remote access to shared or personal files from anywhere in the world. Both upload and download are supported, and sharing can be at individual account or group levels. Group folders with individual read/write permissions can be assigned to any number of users.

Email Distribution

Sender via Web application

Sender with FileCatalyst Workflow

Download link emailed to One or many recipients
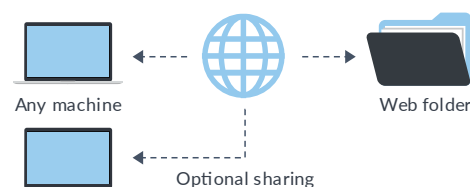
Upload file

Generate/send email

Download file

Used for distribution, FileCatalyst Workflow solves the problems of file transfer size and speed by acting as a middleman for the file transfer process. Files are sent to the FileCatalyst Server using acceleration technology. Recipients then receive an email containing a download link. All phases of the file transfer are tracked and managed.

FileCatalyst Central

Central Management

FileCatalyst Central is a web-based monitoring tool that acts as a united gateway to your entire FileCatalyst deployment. FileCatalyst Central allows you to view ongoing transfers in real-time, drill into transaction histories and reports, view alarms, remotely configure nodes, and initiate file transfers. From a single map view you can inspect connected nodes and remotely control them. FileCatalyst Central provides visibility to all FileCatalyst client applications and server nodes in a single centralized location. Adding additional nodes is easy; no additional network configuration is required for new nodes.

Real-Time Monitoring

File transfers are monitored in real-time via the map or the overview page. The map view can be customized by configuring a custom map canvas and by grouping components of the FileCatalyst deployment into more complex objects. For example, an object called "Headquarters" might include a FileCatalyst Server, several HotFolders, and a few TransferAgents, while another object called "Regional Office" might only include one or two HotFolders. Several maps can be created and viewed simultaneously within a single browser. Maps can also be undocked and moved to separate screens to help create more flexible and customized views.

Stay Notified with Alarms

Set a wide variety of alarms for file transfer events, including successful, failed or canceled transfers. Alarms can be configured as SNMP traps or email notifications, and can be viewed within FileCatalyst Central.
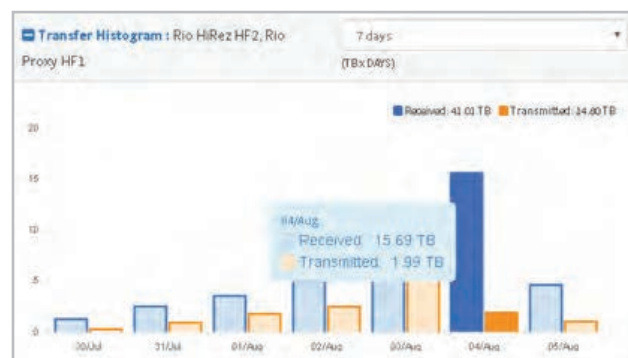
Node Administration

A node in FileCatalyst Central could be a FileCatalyst Server, TransferAgent, or HotFolder. From the node page, you can view all current and past file transfers, initiate ad hoc transfers, and remotely configure the selected node.

REST API and Scripting

FileCatalyst Central provides a full REST API which developers can use to further expand the existing functionality. Node-to-node file transfer orchestration is available through command-line scripting, offering additional control over file transfers within your organization.

Reporting

Reports are shown in near real-time. The reporting engine handles current and archived transfers with high efficiency. Reports are compiled based on individual nodes, groups of nodes, or sessions. This gives administrators instant insight into critical file transfers and the ability to quickly measure traffic and identify usage patterns.

FileCatalyst Direct
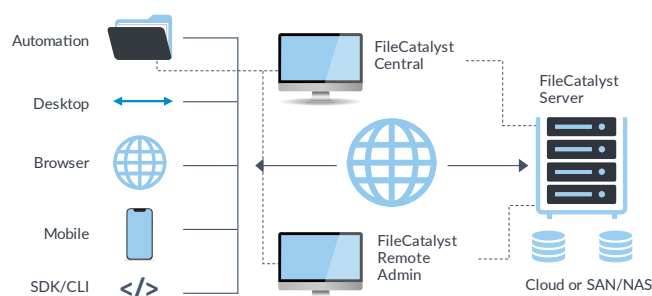
Bullet-Proof File Transfer Protocol

FileCatalyst employs military grade encryption, and advanced reliability features like automatic retry, checkpoint restart, and file integrity checks. With perfect rate control and advanced congestion control capabilities, FileCatalyst will not interfere with your other crucial business applications.

Point-to-Point Transfers

FileCatalyst Direct is a suite of server and client applications that enable point-to-point accelerated file transfers at speeds of up to 10Gbps. Utilizing a patented UDP-based file transfer technology, FileCatalyst overcomes the issue of slow file transfer caused by network impairments such as latency and packet loss.

Flexible Deployment Options

The FileCatalyst suite of applications has a wide array of options for deployment. Pick and choose the options that fit your file transfer needs.
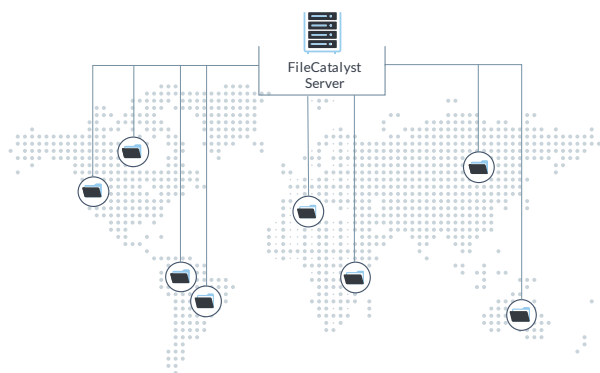

FileCatalyst Direct

- *Transfer files hundreds of times faster than FTP*
- *10 Gbps transfer speeds and beyond*
- *Industry standard 256-bit AES encryption*

One-to-Many Distribution

Deploy FileCatalyst Direct to distribute files from a central site to locations around the globe and vise versa.

Secure Deployment with High Availability

Deploy FileCatalyst on highly secure networks using FileCatalyst Reverse Proxy. The FileCatalyst Server is installed on the secure network, giving it access to protected files. The Reverse Proxy is installed on the less secure Demilitarized Zone (DMZ), allowing FileCatalyst Server to communicate with users on the public internet. Internet traffic never reaches your secure network.

FileCatalyst Load Balancer enhances the scalability of the FileCatalyst deployment, splitting file transfer operations between multiple FileCatalyst Servers. This reduces downtime and increases the capacity of the deployment as a whole.

FileCatalyst Direct

- *Choice of file transfer client tools and applications*
- *Transfer directly to private and public clouds*
- *Web-based transfer and administration tools*
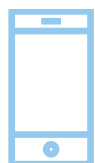- *SDK/API capabilities to integrate into your application*

FileCatalyst Link

FileCatalyst Link is an easy to use feature that allows users to send files of any size to any email address, using only a web browser, at the maximum possible speed. The recipient simply clicks the link and downloads the files.

HotFolder/Automation

Our scheduling and automation tool is FileCatalyst HotFolder. HotFolder is a desktop application that is installed on the end user's machine and allows you to schedule automated tasks.

Mobile

FileCatalyst Upload, our mobile client, is a streamlined upload application developed for iOS and Android devices. Now any user "in the field" can easily send media files to FileCatalyst servers. iOS and Android APIs are also available for third-party integration.

FileCatalyst SDK

FileCatalyst provides many options for integration into third-party applications and workflows. Our SDK boasts a full range of components for a variety of development languages and environments, including Java, C++, .NET, and a full complement of REST APIs.

Simple User Interface

For scenarios requiring simple adhoc file transfer, the FileCatalyst suite includes a no-frills 2-panel tool called TransferAgent Express. The same functionality is available from within the FileCatalyst HotFolder automation tool as an on-demand "connect."

In-Browser File Transfer

FileCatalyst TransferAgent enables any web application to add accelerated file transfer capabilities without the use of plugins. It provides a pure HTML5 web interface for both uploads and downloads, and has a feature rich REST API that can be leveraged by third party applications.

Command Line Interface

The CLI client exposes all of the functionality of the FileCatalyst Client API via a command line tool. This opens up some impressive and important functionality such as command line ad hoc transfers, the ability to initiate transfers from batch/shell scripts as well as the ability to initiate transfers from other applications.

Cloud Storage Integration

FileCatalyst integrates natively with the most popular cloud storage providers. Files are streamed through FileCatalyst without landing on local storage, and are transferred at the maximum speed the cloud storage provides.

FileCatalyst Cloud Integration

High-Speed File Transfers to the Cloud

FileCatalyst provides the fastest, most reliable, and most feature rich high-speed file transfer solution for moving data to and from the cloud. FileCatalyst takes cloud migration to the next level with features including automation, native cloud storage integration, and an extensive SDK for integrating accelerated transfers into your own applications. With support for major cloud providers and modern licensing options, FileCatalyst is your best choice for fast file transfers to and from the cloud.

FileCatalyst Cloud Integration

- *Migrate data to major cloud providers at speeds up to 5 Gbps*
- *Patented UDP based file transfers with 256-bit AES encryption*
- *Encryption at rest for both standard and cloud object storage*
- *Easily move data between cloud providers and regions*
- *Integrate FileCatalyst transfers into your custom cloud-based applications*
- *Flexible per-hour, per-GB, or monthly licensing*

Multi-Cloud Acceleration

FileCatalyst has marketplace listings on AWS, Microsoft Azure, and Google Cloud platform. FileCatalyst can be used on any other cloud compute platform using the Bring Your Own License (BYOL) model.

Data Migration

FileCatalyst alleviates the stress of migrating data into public cloud-based object storage, and exponentially shortens transfer times with its patented file transfer acceleration technology.

Cloud Storage Integration

FileCatalyst integrates natively with the most popular public cloud storage providers with speeds up to 5Gbps. AWS S3, Azure Blob, Google Cloud Storage, Dropbox, Wasabi, and Backblaze B2 are all supported.

Available on the following cloud marketplaces

What customers say about FileCatalyst

"Aside from the speed gains, we found FileCatalyst to be a much more reliable and resilient method of file delivery over an FTP application. The improved file transfer has enabled us to cover more up-to-date situational reports on the field because the turnaround time in bringing in these reports and materials was drastically reduced."
- United Nations, UNIFEED -

"Our file transfers are now much faster and more secure than with our previous server. We also needed a new, simpler approach to file transfer that users of any level could understand and FileCatalyst was able to deliver that."
- Bell Media -

"The issues we were experiencing using FTP to transfer our files including lengthy and incomplete transfers and poor asset management were immediately solved with FileCatalyst. FileCatalyst sinks its teeth into the line to ensure the file gets to where it needs to go on time."
- Matthew Westrup, Travel Channel -

"FileCatalyst has been a great resource for us. Heading into World Cup, the world's most watched sporting event, it made sense to rely on software with a proven track record in sports production workflows."
- TV 2 Norway -

"Having the choice between FileCatalyst HotFolder, FileCatalyst Express, the CLI or API made accelerated file transfers optimized for any scenario."
- James Watson, PGS -

"The biggest benefit of FileCatalyst has been the ability to send large file sizes quickly and allowing outside parties to send files to us, without the hassle of being limited to file size. The BFI is now able to transfer files securely, without risking compromised or leaked files during transit and it's easy to add and manage multiple users."
- British Film Institute -

"Implementing FileCatalyst has saved us time, which has increased our productivity and decreased stress, all of which provide a cost savings to the company. I am also pleased to say that every interaction with a FileCatalyst team member has been wonderful. Everyone has been friendly, knowledgeable, and prompt in communication."
- U.S. Captioning Company -

"FileCatalyst provided exactly the products and tools we needed to build Aberfast, our digital video file delivery service. Their support and responsiveness is absolutely the best."
- Aberdeen Broadcast Services -

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About HelpSystems

HelpSystems is a people-first software company focused on helping exceptional organizations Build a Better IT™. Our holistic suite of security and automation solutions create a simpler, smarter, and more powerful IT. With customers in over 100 countries and across all industries, organizations everywhere trust HelpSystems to provide peace of mind. Learn more at www.helpsystems.com.