



BROADCAST MEDIA  
SOLUTIONS

# FILECATALYST

THE EVOLUTION OF FILE TRANSFER TECHNOLOGY

## Award Winning File Transfer Solutions



TECHNOLOGY AND ENGINEERING EMMY® AWARD  
Presented to Unlimi-Tech Software  
Secure Accelerated File Movement over IP  
Including the Internet

SPORTS EMMY® AWARD  
The George Wensel Technical Achievement Award  
The XXII Olympic Winter Games  
"Maximum Access" - NBC  
Christopher Bailey, Innovator

**AT A GLANCE**

- Enterprise file transfer acceleration platform
- Automated and web based file transfers
- Customizable file transfer web portals
- Centralized monitoring and administration
- Powerful reporting capabilities
- Integrated with leading cloud/object storage

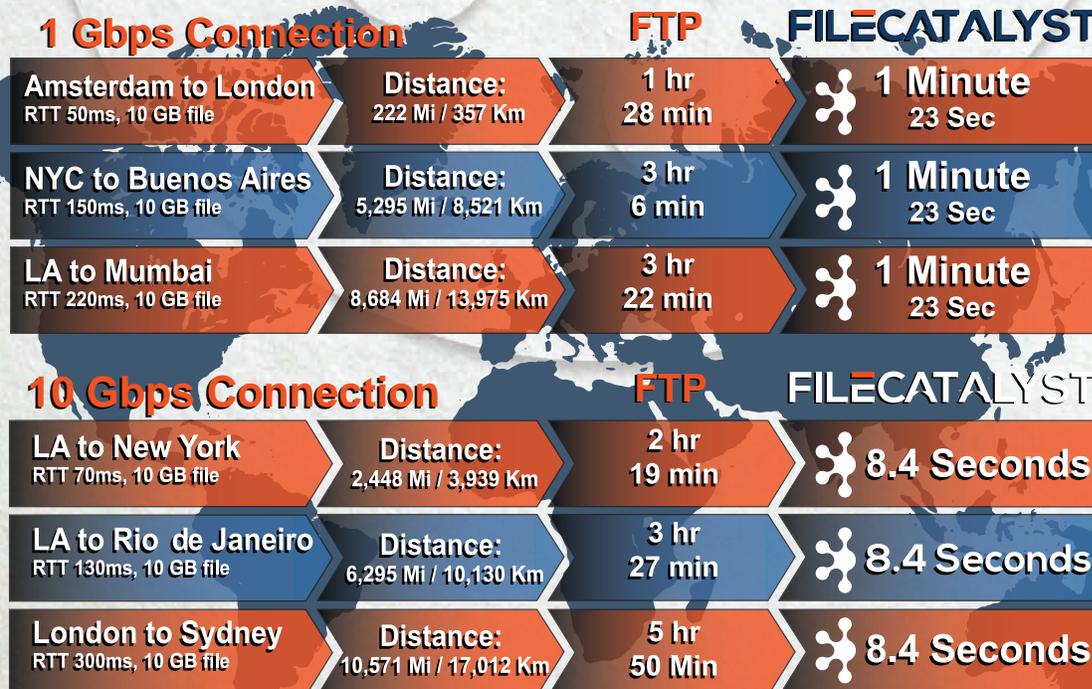
**THE FILECATALYST PLATFORM**

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 rarely 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 or FileCatalyst Spaces provides a complete managed and accelerated web-based solution. 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**



## AT A GLANCE

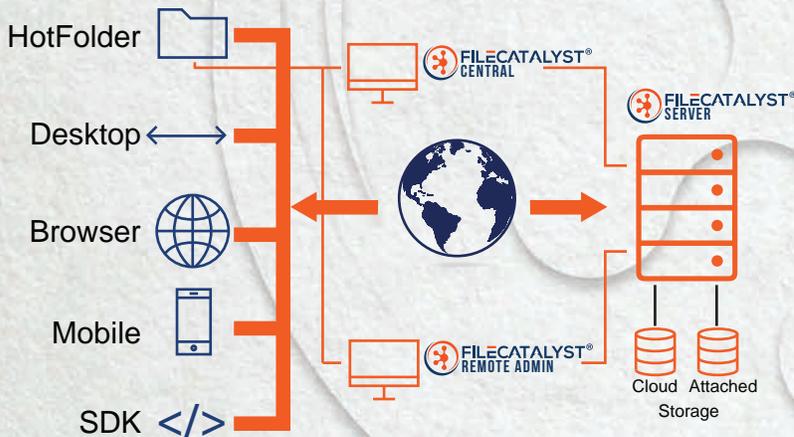
- Transfer files hundreds of times faster than FTP
- Up to 10Gbps transfer speeds
- Industry standard 256-bit AES encryption
- Guaranteed delivery with checkpoint restart
- Integration with leading media software, including Avid & Adobe Premiere

## 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 transfers 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.



## SECURE AND RELIABLE

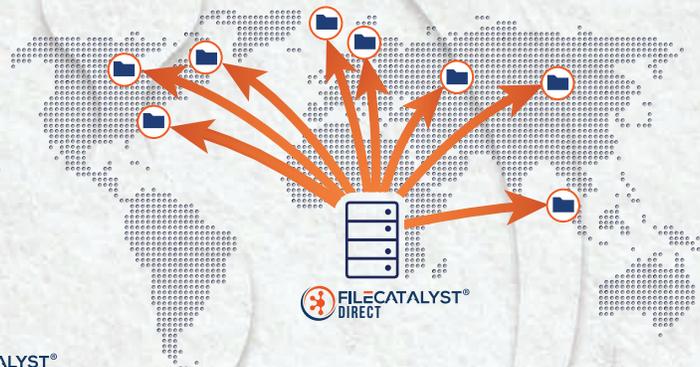
FileCatalyst employs AES encryption, as well as advanced reliability features such as automatic retry, checkpoint restart, and file integrity checks. With perfect rate control and advanced congestion control capabilities, FileCatalyst will not interfere with your other crucial business applications.

## HIGH AVAILABILITY

FileCatalyst Load Balancer enables high availability (active-passive) and load balancing (active-active) between multiple FileCatalyst Servers.

## ONE-TO-MANY DISTRIBUTION

Deploy FileCatalyst Direct to distribute content from a central site to locations around the globe.



## TRANSFER MILLIONS OF FILES SEAMLESSLY

FileCatalyst employs "N-File" technology, allowing it to easily migrate massive file sets consisting of millions of files and terabytes of data between storage endpoints, including cloud storage.

## TRANSFER GROWING FILES

FileCatalyst can transfer files, including MXF files, as they are being encoded or generated. This means files may arrive at their destination shortly after they are complete.

## INTEGRATION WITH LEADING VIDEO PRODUCTION SOFTWARE PACKAGES

File transfer is not a silo operation, it usually involves multiple storage/cloud endpoints and other media workflow software packages. FileCatalyst is integrated with over 50 different video production solutions, including Avid and Adobe Premiere.

## AT A GLANCE

- Choice of file transfer client tools and applications
- Integrated with major cloud storage providers
- 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.



### 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.”



### 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.



### 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.



### 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.



### 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.



### 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.



### 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.

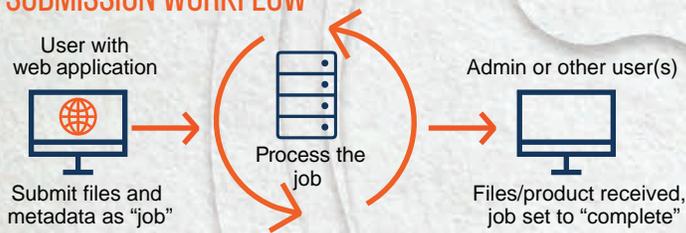
## FILECATALYST WORKFLOW AT A GLANCE

- Customizable web portal for file based workflows
- File Submission and Distribution workflows
- Online file sharing and collaboration
- No end user software installation required
- No file size limitations
- Automated archiving and file deletion

## FILECATALYST WORKFLOW / SPACES OVERVIEW

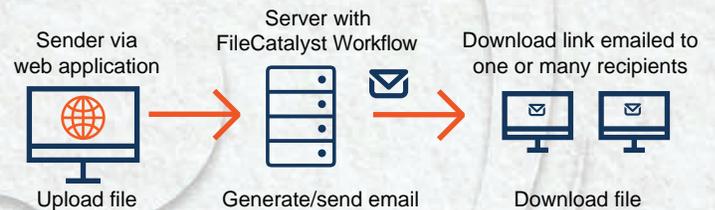
FileCatalyst Workflow (on-premise) and FileCatalyst Spaces (SaaS) provide very similar features, functionality and workflow support but are deployed in different ways. Both products provide customizable web portals that simplify file exchange and boost productivity by streamlining submission, distribution, and file sharing workflows. 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. Both products have “file areas”, which allow users to store files in your organization’s local storage or private cloud for collaboration, with online access from anywhere. Additionally users may send requests to other people outside of your network to send them files.

### SUBMISSION WORKFLOW



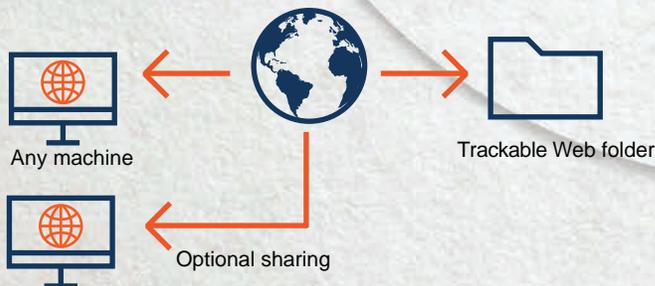
This workflow enables administrators to create a customizable file upload web portal that includes metadata fields. End users can easily submit files along with the required metadata using only a web browser.

### DISTRIBUTION WORKFLOW



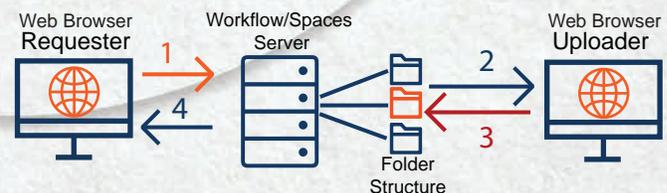
This workflow enables users to easily send files to anyone with an email address. When a new file transfer notification email is received by a user, they click a link and are taken to a download page. Recipients may then download the files individually, or as a package.

### COLLABORATION WORKFLOW



This workflow enables users to access web based folders from anywhere using only their web browser. These web folders may be private, or accessed through a group, providing a powerful means of collaboration with other users in the system. All changes to the web folders are trackable via a change history log and email notifications can be sent to the group members when the content of the web folder is modified.

### REQUEST FILES WORKFLOW



1. User Sends File Request link For Target Folder
2. File Request Email
3. File Upload To Targeted Folder
4. Confirmation Email with Link

The Request Files workflow enables registered users to request files from anyone with an email address. When a request is received by a user, they click a link and are taken to an upload page. Files are uploaded to the folder chosen by the person who sent the file request.

## FILECATALYST SPACES AT A GLANCE

- Create multiple file submission workflows
- Complete file tracking and delivery reports
- Customizable metadata fields
- Automated job submission via FileCatalyst HotFolder and APIs
- 2-factor authentication for download email link

## WHY CHOOSE FILECATALYST WORKFLOW?

FileCatalyst Workflow is the best option for administrators that want complete control of all infrastructure their organization depends on. Since it is deployed entirely on machines that you control, you can choose whether to deploy on-premise or on managed/cloud servers. You get the fastest possible access to on-premise storage and integration with on-premise LDAP/AD services.

## FILECATALYST WORKFLOW UNIQUE FEATURES / BENEFITS

- Dynamic multi-language support
- LDAP/AD w/ address book integration
- SSO, Multi-Factor authentication support
- Video Preview Generation for distribution workflow

## WHY CHOOSE FILECATALYST SPACES?

FileCatalyst Spaces is the best option for organizations that wish to leverage managed cloud services, preferring to focus their attention on their primary business functions. Spaces is licensed using a per-user per-month model plus usage charges. This means Spaces can scale with your business, with no large upfront capital expense.

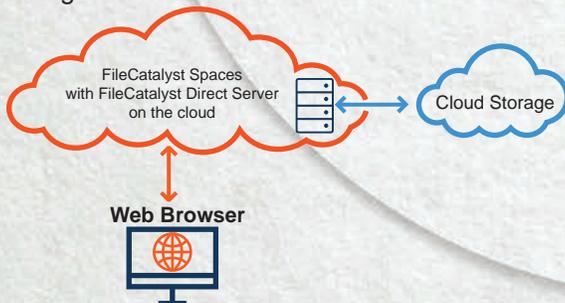
## FILECATALYST SPACES UNIQUE FEATURES / BENEFITS

- Fully managed and hosted SaaS
- Faster access to cloud based storage than Workflow on-premise
- Always up to date with latest features
- Can be combined with an on-premise FileCatalyst Direct Server

## FILECATALYST WORKFLOW / SPACES DEPLOYMENT OPTIONS

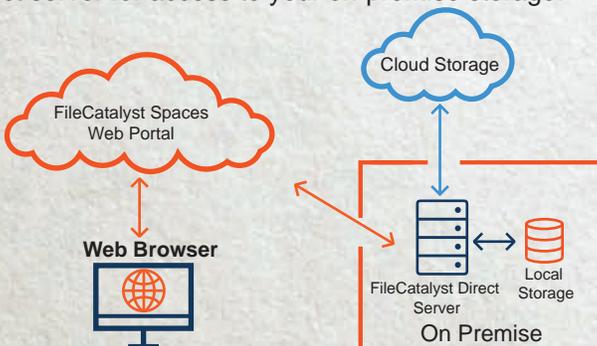
### PURE SAAS WITH BRING YOUR OWN STORAGE (SPACES)

Combines FileCatalyst Spaces SaaS with the cloud storage of your choice. No other software is required, bring your own cloud storage credentials.



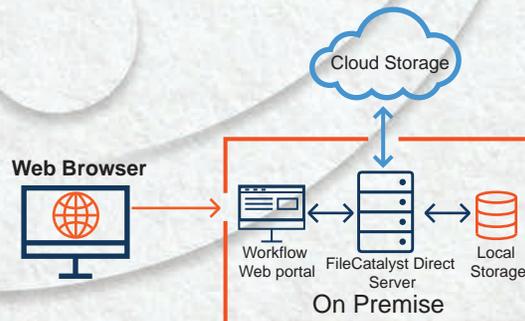
### HYBRID SAAS DEPLOYMENT

Combine FileCatalyst Spaces with an on-premise FileCatalyst Direct server for access to your on-premise storage.



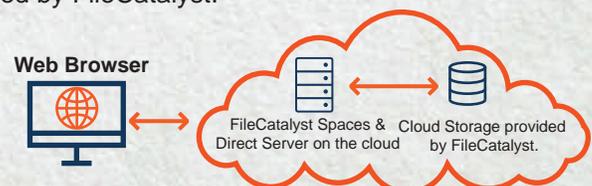
### ON PREMISE (WORKFLOW)

FileCatalyst Workflow deployed on your own infrastructure and combined with a FileCatalyst Direct Server.



### TURN-KEY SAAS (SPACES)

Turn-key SaaS with workflow management and storage provided by FileCatalyst.

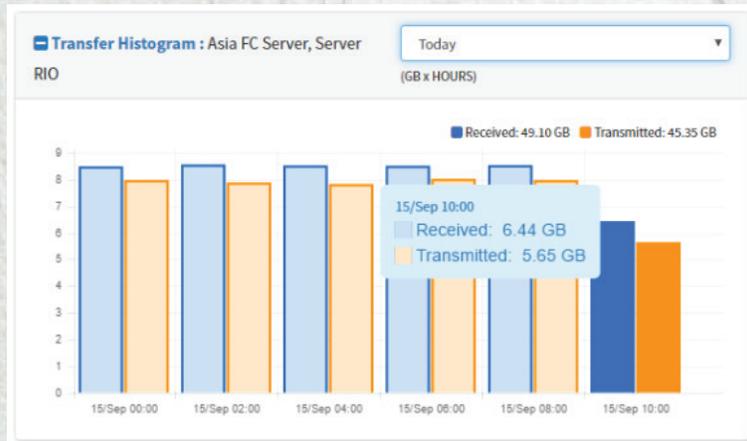
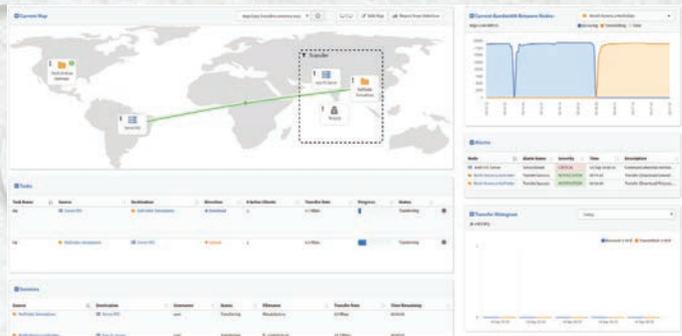


## AT A GLANCE

- View and prioritize ongoing transfers in real-time
- Create custom file transfer reports
- Monitor the health of your deployment
- Manage entire deployment from one portal
- Create dynamic map views of all nodes

## CENTRAL MANAGEMENT

FileCatalyst Central is a web-based monitoring tool that acts as a united gateway to view and administer your entire FileCatalyst deployment. FileCatalyst Central allows you to view ongoing transfers in real-time, drill into transaction histories and reports, view system health including alarms, remotely configure nodes, and initiate file transfers. From a single map view you can inspect connected nodes and remotely control them. Adding additional nodes is easy, simply enter the unique FileCatalyst Central URL into the node's settings and it will connect. Because all connections from the node are outbound, no additional network configuration is required.

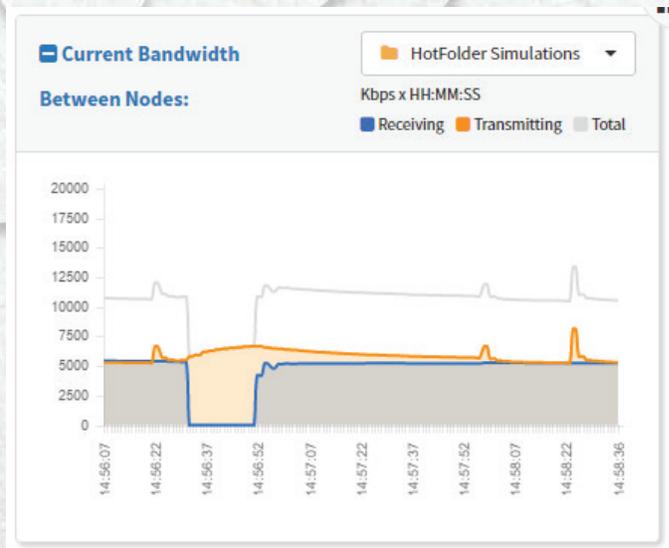


## REPORTING

FileCatalyst Central provides an extensive reporting tool, with full access to all historical data. Reporting data becomes available in near real-time. The reporting engine handles current and archived transfers with high efficiency and is able to handle incoming data from hundreds of concurrent transfers. 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.

## 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.

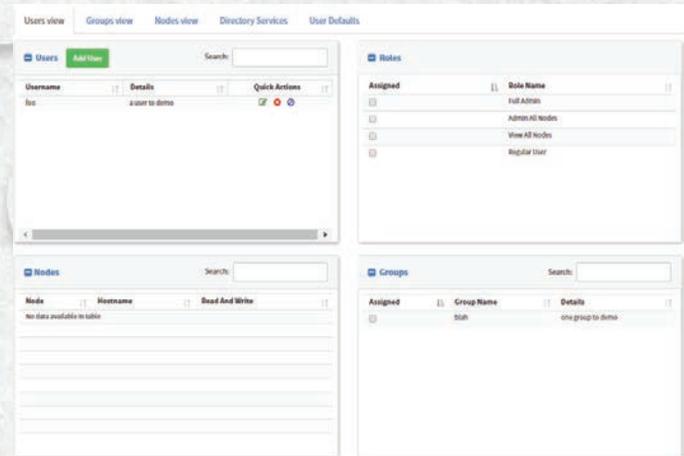
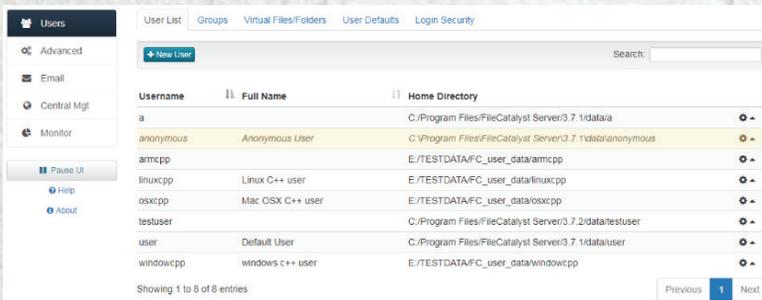


## AT A GLANCE

- Remotely configure individual nodes
- Remotely initiate node-to-node transfers
- Create SNMP traps or email notifications
- Search historical data by filename, date, or size
- Powerful REST API for tight integrations

## IDENTITY AND ACCESS MANAGEMENT (IAM)

FileCatalyst Central provides a comprehensive Identity and Access Management (IAM) system. The IAM system enables the creation of Users and Groups with designated roles. Assigned roles may grant read, write, or administration access control over any of the FileCatalyst applications connected into FileCatalyst Central. The IAM system is flexible enough to create power users that can fully monitor and administer the entire deployment, or create read-only users with access to only a single node. In addition to the internal IAM system, FileCatalyst Central can also be connected to directory services such as LDAP or Active directory for user management.

Username	Full Name	Home Directory
a		C:/Program Files/FileCatalyst Server/3.7.1/data/a
anonymous	Anonymous User	C:/Program Files/FileCatalyst Server/3.7.1/data/anonymous
amcpp		E:/TESTDATA/FC_user_data/amcpp
linuxcpp	Linux C++ user	E:/TESTDATA/FC_user_data/linuxcpp
osxcpp	Mac OSX C++ user	E:/TESTDATA/FC_user_data/osxcpp
testuser		C:/Program Files/FileCatalyst Server/3.7.2/data/testuser
user	Default User	C:/Program Files/FileCatalyst Server/3.7.1/data/user
windowcpp	windows c++ user	E:/TESTDATA/FC_user_data/windowcpp

## NODE ADMINISTRATION

FileCatalyst Central enables full remote administration of any connected node. A node in FileCatalyst Central could be a FileCatalyst Server, TransferAgent, or HotFolder. Rather than having to connect to individual computers using a mix of RDP, SSH, or other administration tools, FileCatalyst Central allows all settings of each node to be configured through a single web console.

## MONITOR SYSTEM HEALTH

FileCatalyst Central allows administrators to monitor the overall health of their entire FileCatalyst deployment. Be alerted when nodes are down, or when systems are not performing correctly before it becomes an issue for users. Set a wide variety of alarms for file transfer events, including successful, failed or cancelled transfers. Alarms can be configured as SNMP traps or email notifications, and shown in one comprehensive web view.

## REST AND API SCRIPTING

FileCatalyst Central provides a full REST API which developers can use to further expand the existing functionality. Any action that is performed by the built in administration tools can be performed through the REST API. All HTTP calls are done through FileCatalyst Central, which acts as a reverse proxy for all connected nodes. In addition, node-to-node file transfer orchestration is available through command-line scripting, offering additional control over file transfers within your organization.

### CLOUD INTEGRATION AT A GLANCE

- Maximum speed transfer to/from cloud storage
- Easily migrate TBs of data and millions of files
- Files/objects are stored in standard formats, nothing proprietary
- Files transfer directly to cloud storage with no local caching
- Migrate data from one cloud storage to another

## 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.



### 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 Licence (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.



### FLEXIBLE LICENSING OPTIONS

FileCatalyst offers BYOL, per-hour, and per-GB consumption-based billing across various clouds, providing flexible licensing options for short or long-term projects.

## AVAILABLE ON THE FOLLOWING CLOUD MARKETPLACES



Microsoft Azure



Google Cloud Platform Live



## ABOUT FILECATALYST

FileCatalyst is an Emmy® Award-winning world leader in file transfer acceleration technology. Founded in 2000, the company has over one thousand clients in media & entertainment, energy & mining, gaming, and printing as well as many Fortune 500 companies and government/military organizations. In addition, FileCatalyst has over one million users of its software-based file transfer solutions which are 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.

Our core values outline our most important goals and provide guidance for daily activities and corporate initiatives:

## CONTINUAL, FOCUSED INNOVATION

We are committed to evolving our core transport technology to continuously enhance how we serve our customers. By incorporating customer feature requests into our product roadmaps and conducting thorough market research, we constantly improve the results achieved with the FileCatalyst platform.

## CUSTOMER SUCCESS

We are dedicated to ensuring customers exceed goals related to moving their data efficiently and securely. We pride ourselves on delivering responsive and thorough customer support from initial evaluation through to production deployment by providing clients with full access to developers and high-level support engineers.

## STRATEGIC PARTNERSHIPS

We form strategic partnerships to extend the reach of FileCatalyst. By partnering with worldwide resellers and software vendors, our goal is to make accelerated file transfer omnipresent and simple.

## GLOBAL RESPONSIVENESS

We operate on a global scale and have transferred files of all types and sizes across every continent. We are agile and able to respond quickly to customer demands and adapt to new circumstances.

FileCatalyst is a privately owned company located in Ottawa, Canada.

To learn more, please visit [www.filecatalyst.com](http://www.filecatalyst.com).

## SOME OF OUR CUSTOMERS

Aberdeen Broadcast Services  
ABPNews  
Aragon TV  
Asia TV USA  
ATP Media  
Bell Media  
BOT VFX  
British Film Institute  
Canal Extremadura  
CBS Newspath  
Charter communications  
CNBC  
Conmebol  
CTV  
Czech Television  
Danish Broadcasting  
Distribuidora Digital de Futbol  
Dorna  
Eastern TV  
Express Media Group  
Fotokem  
France 24  
Fujifilm Recording Media  
GlaxoSmithKline  
Grey Juice Labs  
IB3TV  
Korea Animation Center  
LBI Media  
Leading the Way  
Matador Content  
Mediapeadia  
NBC Golf Channel  
NBC News  
Nintendo  
Nordic Entertainment Group  
PGS  
PPL  
Prima TV  
Radiotelevisione italiana  
Royal Media  
RTV Montenegro  
Scripps Media  
Sky Sports  
SMG Entertainment  
Sony Pictures  
Tata Communications  
Televisa News  
Travel Channel  
Trinity Broadcast Network  
Tubi TV  
TV 2 Denmark  
TV 2 Norway  
TV Aragon  
TV Center  
TV Valencia  
Viacom 18  
Vice Media  
WIN TV  
Windmill Lane Pictures  
Zee TV



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