



FileCatalyst[®]
reinventing file transfer

High Speed
File Transfers

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File Transfers



FileCatalyst®

reinventing file transfer

AWARD WINNING 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
Elton Carneiro, Innovator



- 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

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. 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



“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 -

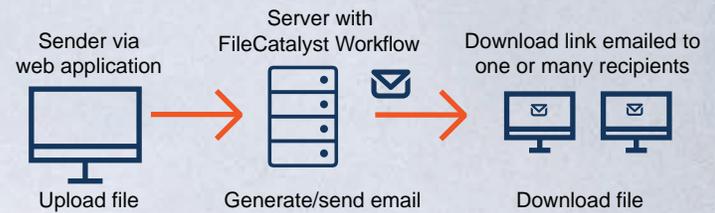
FileCatalyst® WORKFLOW

- 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 EXCHANGE SIMPLIFIED

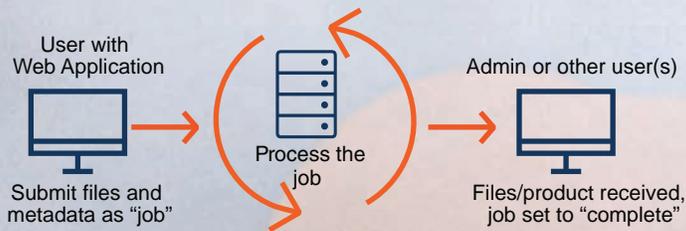
FileCatalyst Workflow is a web portal for all your file transfer needs. It simplifies file exchange and boosts productivity by streamlining submission, distribution, and file sharing workflows on the web. Users may submit files to your organization for processing, with full tracking at every stage, or 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.

EMAIL DISTRIBUTION



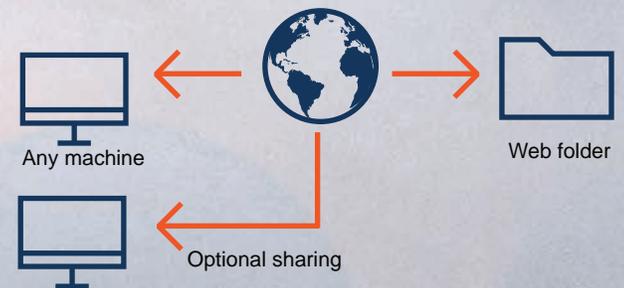
Used for distribution, FileCatalyst Workflow solves the problems of file transfer size and speed by acting as a middleman for the file transfer process. Files are sent to the FileCatalyst Server using acceleration technology. Recipients then receive an email containing a download link. All phases of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

FILE SUBMISSION



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



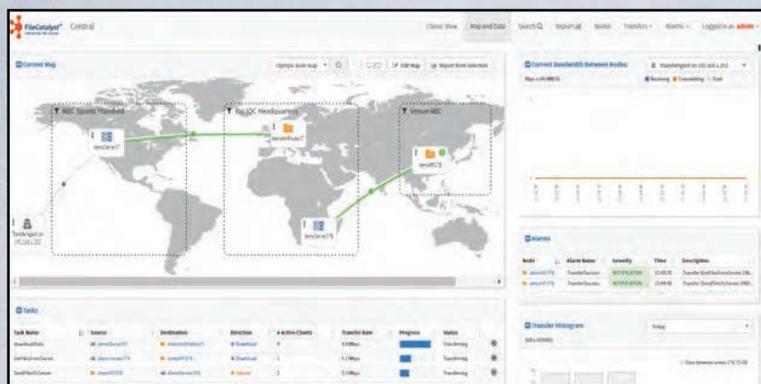
With FileCatalyst Workflow as the central storage location for one or more web folders, users have remote access to shared or personal files from anywhere in the world. Both upload and download are supported, and sharing can be at individual account or group levels. Group folders with individual read/write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

"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 -



- View and prioritize ongoing transfers in real-time
 - Create custom file transfer reports
- Monitor the health of your deployment with alarms
 - Remotely configure individual nodes
 - Remotely initiate node to node transfers
 - Create SNMP traps or email alarms



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.



“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 -



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

BULLET-PROOF FILE TRANSFER PROTOCOL

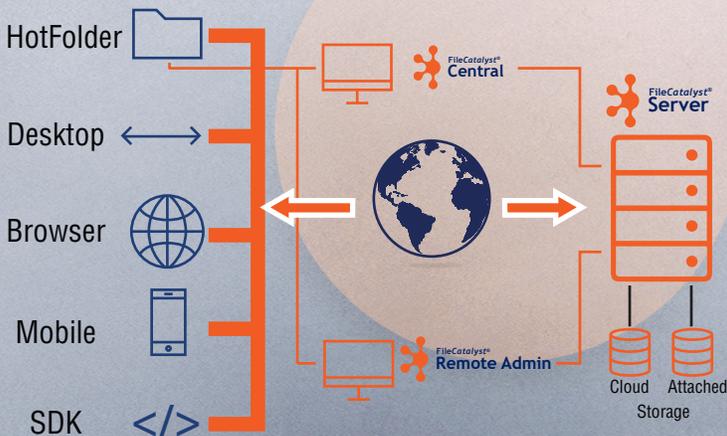
FileCatalyst employs military grade encryption, and advanced reliability features like automatic retry, checkpoint restart, and file integrity checks. With perfect rate control and advanced congestion control capabilities, FileCatalyst will not interfere with your other crucial business applications.

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.

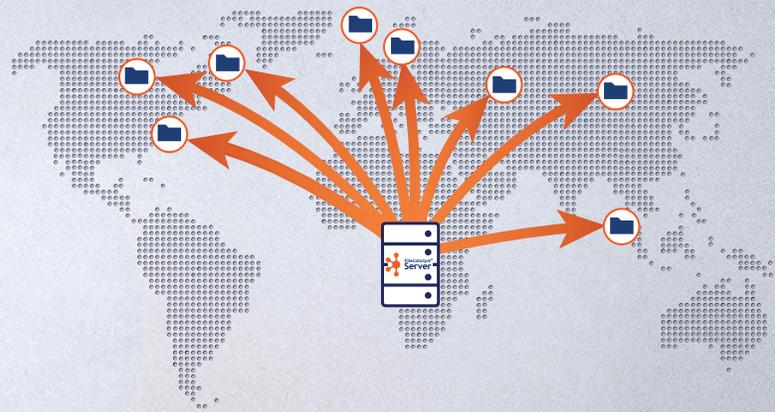
FLEXIBLE DEPLOYMENT OPTIONS

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



ONE-TO-MANY DISTRIBUTION

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

“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 -

- 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.



SIMPLE USER INTERFACE

For scenarios requiring nothing but simple file transfer, the FileCatalyst suite includes a no-frills 2-panel application. As a standalone application, we call the product TransferAgent Express. The same functionality is available from within the FileCatalyst HotFolder automation tool as an on-demand “connect” function.



HOTFOLDER / AUTOMATION

By far, our most commonly used tool for scheduling and automation 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 developers.



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 prompt. This opens up some impressive and important functionality such as command line ad hoc transfers, the ability to initiate transfers from other 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 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.

“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 -



- Transfer files of any size over the Internet at blazing speeds
 - Fully managed and hosted cloud service
 - Create multiple file transfer portals
 - Create custom metadata fields for job submissions
- Create shareable web folders to facilitate collaboration
 - Automate file transfers with HotFolder and APIs

WHAT IS FILECATALYST SPACES?

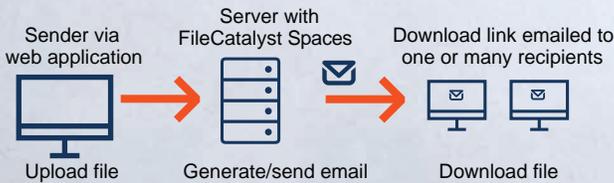
FileCatalyst Spaces is a fully managed and hosted service that allows companies to share files at full line speeds using our patented fast file transfer technology. Being a SaaS product, FileCatalyst Spaces is truly an enterprise solution without the enterprise costs.

WHY FILECATLYST SPACES IS FOR YOU

- Speed** - Turn hours into minutes with our fast file transfer technology
- Pay-As-You-Go** - Low monthly cost with no contracts
- Simplicity** - Simply log in and use our drag and drop interface
- Cost Savings** - We provide an enterprise solution without enterprise costs
- Collaboration** - Use FileCatalyst Spaces as a shareable “online folder”
- Visibility** - Keep track of your transfers, and who has access to them
- Scalable** - FileCatalyst Spaces can grow with your business needs

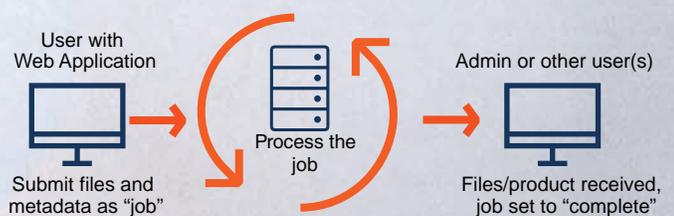
SUPPORTED WORKFLOWS

EMAIL DISTRIBUTION



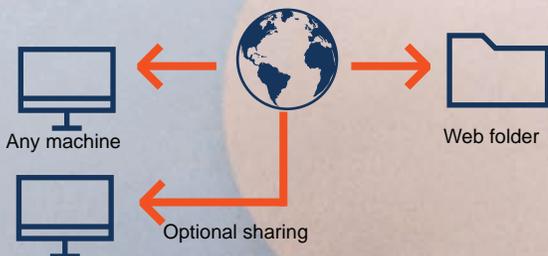
Files are first sent to FileCatalyst Spaces. Once processed, recipients simply receive an email with a download link.

FILE SUBMISSION



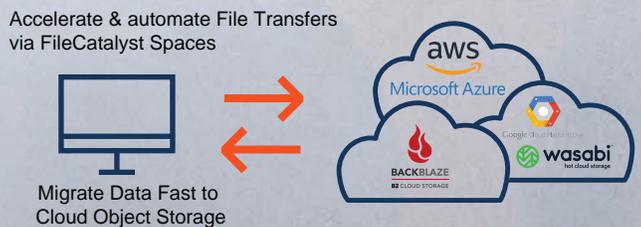
FileCatalyst Spaces acts as a web portal where your clients can easily upload files.

WEB FOLDERS



FileCatalyst Spaces acts as your organization’s central storage location for one or more “web folders” – keeping all of your files organized and managed.

CLOUD DATA MIGRATION



FileCatalyst Spaces provides the ideal platform to perform large scale cloud data migration.

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 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

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 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 most popular public cloud storage providers with speeds up to 5 Gbps. AWS S3, Azure Blob, Google Cloud Storage, 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

“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 -

WWW.FILECATALYST.COM

CASE STUDY: PETROLEUM GEO-SERVICES (PGS)

INDUSTRY

- Oil & Gas

PRODUCTS

- FileCatalyst Direct
- FileCatalyst API

CHALLENGES

- Inability to fully optimize a 10 Gbps link
- Inability to handle very high concurrency
- Inefficient management of large data sets over vast geographical distances

RESULTS

- Faster file transfers noticed immediately
- Preserved data structures
- Increased transfer security

PROFILE

Petroleum Geo-Services (PGS) is a marine-focused geophysical organization helping oil companies find offshore oil and gas reserves worldwide. Founded in 1991, PGS now has a presence in 25 countries and ranks among the world's three largest marine seismic companies. PGS' drive for innovation is exemplified through its broad range of services and products including seismic and electromagnetic services, data acquisition, processing, reservoir analysis/interpretation and multi-client library data.

CHALLENGES

Routinely collecting data from remote off-shore locations, PGS often had to migrate large data sets to its offices in London, Houston, or Cyberjaya, Malaysia for further processing, analysis, and quality checking. PGS used the FTP protocol and a free UDP transfer application to deliver these large files, but these methods created issues when sending and receiving large files. The main challenge PGS faced was slow transfer speeds on their underutilized 10 Gbps link between London and Houston. Furthermore, both the FTP system and the UDP application lacked the management capabilities required by PGS, leaving all the controls of the transfer with the end users. With no coordination, this lack of management frequently caused problems on the lower bandwidth, last mile links. "We might have 100 FTP transfers executing simultaneously, causing all transfers to go to a crawl," said James Watson, Technical Engineer at PGS. Having no control over the file transfer process, IT constantly had to address the same file transfer related issues.

SOLUTIONS

As a solution to its file transfer issues, PGS selected and deployed the FileCatalyst Direct accelerated and managed file transfer solution with a 10 Gbps license. The unique acceleration technology employed by FileCatalyst enabled blazing fast transfer speeds for their vast amounts of data traveling across their international 10 Gbps link. The solution also optimized the transfers across the often unreliable network conditions experienced in the remote areas where PGS collected data. In addition to the speed and reliability optimizations, FileCatalyst Direct provided the tracking and administrative capabilities which PGS lacked in its previous solution.

RESULTS

After the deployment of FileCatalyst Direct, PGS gained accelerated transfer speeds immediately. "The first benefit we noticed after implementing FileCatalyst was the enhanced control over our transfers and a dramatic speed improvement – we are finally able to use our 10 Gbps line speed to its full extent," noted James Watson. An improved service for end users thanks to FileCatalyst Direct's tight integration with all existing PGS processing systems, resulting in a streamlined and seamless end user experience. "FileCatalyst Direct transformed all PGS file transfers into a simple and straightforward experience that logs every executed file transfer" added Mr. Watson. "Soon our IT department was able to stop putting out file transfer related fires and instead provide a well-managed service to users." Another benefit PGS realized was the flexibility provided by the variety of applications for executing file transfers. "Having the choice between FileCatalyst HotFolder, FileCatalyst Express, the CLI or API made accelerated file transfers optimized for any scenario." continued Mr. Watson. "Furthermore, FileCatalyst worked closely with PGS every step of the way to ensure our expectations were met 100% of the time when deploying FileCatalyst in our environment."

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

- James Watson, PGS -

CORPORATE OVERVIEW

ABOUT UNLIMI-TECH SOFTWARE INC.

FileCatalyst is a 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 commit ourselves 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.

SOME OF OUR CUSTOMERS

AltaLink Management Ltd
American Greetings Corporation
Bell Media
Boehringer Ingelheim
British Film Institute
Cerner Corporation
Charter Communications
Consilio
Danish Film Institute
Dept of National Defence (GeoSpatial)
Dar Al-Handasah
GlaxoSmithKline
Hawaii Pacific Health
Hexagon
Ichthys Genomics
Illumina Inc.
Kaiser Permanente
Leonardo
Maersk Line
National Science Foundation
NBC Sports
Neptuno Offshore
Nintendo
Oak Ridge National Laboratory
Petroleum Geo Services
Photonics, Inc
Queensland Parliament
Raytheon Company
Redflex Traffic Systems, Inc.
Roche Molecular Systems (Genentech)
Rolls-Royce PLC
Royal Canadian Navy
Sandia National Laboratories
Sanofi Aventis
Siemens Healthcare
Sky Sports
Sony Pictures
Sun Pharmaceutical
Talen Energy
Tata Communications
Total
TV 2 Norway
University Health System
University of Waterloo
US Air Force (Eglin)
Van Oord DMC
Varian Medical Systems, Inc.
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