



**FileCatalyst**<sup>®</sup>  
reinventing file transfer

# SOLUTION BRIEF

## FILECATALYST AND TVU NETWORKS

*The TVU Router, coupled with FileCatalyst's accelerated transfer technology, provides exponentially increased transfer speeds to broadcasters moving content from the field to vast and varied end-points*

### CHALLENGE

TVU Networks specializes in IP-based live video solutions and helps transform broadcasters' SDI-based operations – which include acquisition, transmission, routing, distribution, and management – to an IP-based infrastructure.

TVU Network's TVU Router is designed to provide high bandwidth internet connectivity and/or private network access to broadcasters working in the field. TVU Router's unmatched high bandwidth IP connection works by aggregating and maximizing the use of multiple available communication links, ensuring true channel aggregation, resulting in higher available bandwidth and network acceleration. With TVU Router, users can transfer and receive files, stream video and search the web from any laptop or mobile device.

As media files become larger, more varied, and rendered into different playback formats, broadcasters are challenged with sharing, editing and distributing their content across multiple locations around the globe. FTP and TCP suffer the negative effects of packet loss and latency, which makes these transfers unacceptably slow for broadcasters.

### SOLUTION

TVU Network's TVU Router combined FileCatalyst Direct, FileCatalyst's flagship solution that accelerates file transfers, regardless of type or size, to speeds of up to 10 Gbps, into their TVU Router solution.

By leveraging FileCatalyst and the TVU Router, broadcasters are provided with a high bandwidth IP connection that aggregates and maximizes the use of multiple available connections. Transfers are performed hundreds of times faster than traditional transfer methods, which is especially beneficial for broadcasters sharing breaking news and event footage.

### ABOUT

TVU Networks is a technology and market leader in IP-based live video solutions. TVU's solutions help transform broadcasters' SDI-based operations – which include acquisition, transmission, routing, distribution, and management – to an IP-based infrastructure. TVU serves customers of all sizes in more than 85 countries from industries that include news broadcast, web streaming, law enforcement, sports, corporate, and government. In broadcast markets around the world including the USA, China, and other major economic powers, TVU is the dominant market leader with a large majority of all news broadcast stations using its IP video solutions, which includes the award-winning TVU One mobile live cellular transmitter. Using its proprietary IS+ technology, TVU's uplink solutions use any combination of cellular, satellite, microwave, WiFi and Ethernet IP connections to deliver live HD video from practically any location. For more information about TVU Networks solutions, please visit [www.tvunetworks.com](http://www.tvunetworks.com).

### ABOUT FILECATALYST

Located in Ottawa, Canada, FileCatalyst is a pioneer in managed file transfers and an Emmy® award-winning leader of accelerated file transfer solutions. The company, founded in 2000, has more than one thousand customers in media & entertainment, energy & mining, gaming, printing, military, and government including many Fortune 500 companies.

FileCatalyst is a software platform designed to accelerate and manage file transfers securely and reliably. FileCatalyst is immune to the effects that latency and packet loss have on traditional file transfer methods including FTP, HTTP or CIFS. Global organizations use FileCatalyst to solve issues related to file transfers including content distribution, file sharing, and offsite backups. To learn more visit [www.filecatalyst.com](http://www.filecatalyst.com) or on Twitter @FileCatalyst.

**WWW.FILECATALYST.COM**

## PRODUCTS

- TVU Router
- FileCatalyst Direct

## CHALLENGES

- Slow transfer speeds across the WAN
- Unreliable transfers lead to avoidable delays in delivery

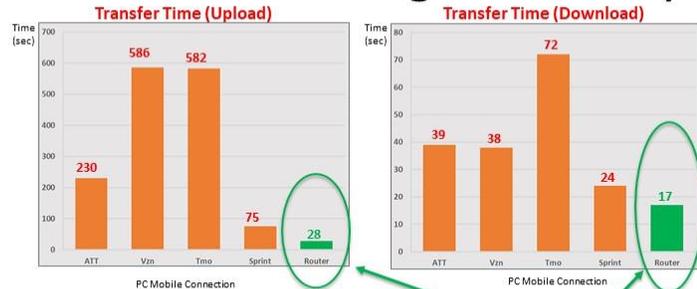
## SOLUTION

- FileCatalyst Direct was integrated into the TVU Router solution

## RESULTS

- Exponentially increased upload and download speeds - up to 10 Gbps
- Reliable transfers result in predictable delivery times and less downtime
- Users can send files at full line speeds, regardless of size or format

## File Transfer Using FileCatalyst<sup>®</sup>



**Setup**

- PC using TVU Router with 6 modems vs PC with single USB carrier modem
- File transfers using a 55MB file

**Result**

- File transfer upload average performance increase is 1,215%
- File transfer download average performance increase is 154%

**TVU Router:**  
Faster transfer time

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FileCatalyst used in conjunction with TVU Networks TVU Router is the ideal solution for use cases including, but not limited to:

- Broadcasters in the field
- Law enforcement agencies transferring video surveillance data
- Live event broadcasting
- Houses of worship
- Sports broadcasting