

CASE STUDY (Cybersecurity)

NBC Sports Group - Pyeongchang 2018

Profile

Since 2002, NBC has owned the American rights to broadcast the Olympics and deliver coverage from each event and medal ceremony across the United States via cable television and online. From February 9 to 25, 2018, NBC Sports Group, renowned for its unsurpassed award-winning production, presented the 2018 Winter Games from PyeongChang, South Korea, featuring live coverage of 102 events across 15 sports.

Challenge

While covering events in multiple venues, NBC Sports Group needed to deliver video files over a global 5 Gbps link to their headquarters in Stamford, Connecticut, where the footage was edited. Archived footage also had to move from Stamford to PyeongChang, and across the various event locations for editorial purposes.

Sharing files effectively during the games was imperative, and this required a solution that could accelerate and facilitate concurrent file transfers. During peak hours, NBC Sports Group sent up to 100 large video files concurrently, amounting to 10 TB of transferred data daily. NBC Sports Group also needed a solution that could concurrently transfer MXF files as they were being encoded or growing.

Additionally, NBC Sports Group administrators needed a solution that could monitor their deployment and administer transfer nodes remotely and in realtime.

"Year after year, FileCatalyst rises to the challenge of transferring our media assets, enabling our many workflows. They continue to deliver new features that provide real value and maximize our efficiency"

~ Jim Miles, NBC Sports Group

Solution

To accelerate their global delivery process, and meet the other specified objectives, NBC Sports Group used FileCatalyst's accelerated and managed file transfer platform. From the opening to closing ceremonies, FileCatalyst's fast file transfer technology ensured that every transfer was fast, reliable, and secure.

AT-A-GLANCE



Company **NBC Sports Group**
Industry **Broadcasting**

CHALLENGES

- Needed to fully optimize their global 5 Gbps link
- Very high concurrency for every transfer
- Needed to handle dynamic MXF files
- Real-time monitoring and centralized management

PRODUCTS

- FileCatalyst Direct
- FileCatalyst Central

RESULTS

- Full line speed optimization
- Scaled to handle 100 concurrent file transfers
- Seamless handling of dynamic MXF files
- Integrated with other production technology

The platform's ability to accelerate transfer speeds, deal with concurrent transfers, and seamlessly transfer dynamic video files made for a streamlined workflow that saved significant time. New features were developed for their unique challenges, such as the ability to handle files that were growing and changing while being encoded. The solution handled and transferred up to 80 growing MXF proxy videos and 20 hi-res MXF video files currently - and delivered them in real-time.

FileCatalyst's central management solution, FileCatalyst Central, provided NBC Sports Group with near real-time reporting, as well the ability to remotely administer transfer nodes from a browser.

Results

FileCatalyst successfully and seamlessly accelerated the transfer of digital content for the 2018 Winter Games. Additionally, FileCatalyst enabled NBC Sports Group to break new ground in live sports production by handling very high concurrency, overcoming the problem of transferring dynamically changing MXF files, as well as giving them the ability to remotely administer and monitor their FileCatalyst deployment in real-time.

About HelpSystems

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