



Satellite File Transfer 5x faster

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Fast file transfer is becoming the key factor especially in news contribution. Besides grid-bound IP networks, satellite links are commonly used for this purpose, e. g. for contributing content from an OB van to the studio immediately.

German broadcaster Suedwestrundfunk (SWR) already uses a transparent file transfer acceleration for efficient operation of its wide area link between Mexico and Germany. Therefore it was obvious to run the same system also on a satellite link.

“The transfer of a 360 Megabyte file took me only 25 minutes in total” Anton Schreiner, technical director of the SWR studio in Tuebingen, says. “Now we can achieve transfer rates close to our theoretical maximum speed of 2.3 Megabits/s. Until now we were only able to reach 400 kilobits/s at max.”

With TIXway the transfer rate was more than fivefold. Hence the satellite transponder is only required for a fifth of the original time slot and content arrives at the studio a lot faster. TIXway software hooks transparently into the network path without complex integration and accelerates transfers with an optimized network protocol.

“In this case we experience packet round trip times of about 700 milliseconds. Transfer rates of conventional solutions decrease dramatically at these conditions, even at relatively low link rates of 2.3 Megabit/s” says Andreas Aust, TIXEL's CTO. “We are proud to see our technology also proven on satellite links. This enables customers like SWR to make the most of cost-intensive resources and to be more agile especially in time critical news production environments.”

About SWR

SWR (Suedwestrundfunk) is the second largest division of the ARD (German association of public broadcasters) covering Baden-Wuerttemberg and Rheinland-Pfalz – an area with about 15 million people. Moreover SWR reaches people throughout entire Germany by contributing 18.2 percent of content for the common ARD channels Das Erste, 3sat, ARTE, PHOENIX, KI.KA and ARD Digital. Since the merger of SDR and SWF in 1998 the SWR has evolved into a modern media company with an individual profile. Merely the SWR radio channels are received by about 7 million listeners daily.

About TIXEL

TIXEL is a German-based vendor of solutions for high-speed transfer in wide area multi-gigabit IP networks. TIXEL products are primarily used to optimize data-intensive global applications like cloud services, big data exchange, and media production.

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