

Accelerated File Transfer via Satellite



MAXIMUM THROUGHPUT OVER SATELLITE

Popular tools for file transfer like FTP are not tailored for use on high latency links like satellite connections. Transfer rates dramatically decrease and only a fraction of the cost-intensive link can be used.

TIXway is a unique semi-transparent FTP acceleration software that fully exploits high latency link capacity providing your well established transfer environment with maximum speed, reliability, and security.

Seamless Integration

No need to modify or replace tools or workflows – just accelerated transfers

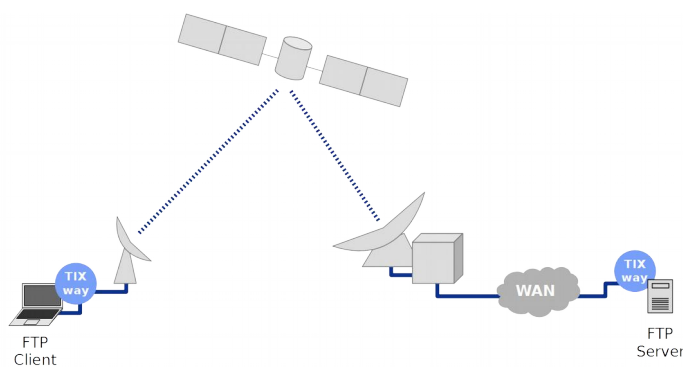
Easy Setup

Easy to configure software gateways for all major operating systems set up in a few steps

High Performance

TIXEL's proven high performance data transfer technology maximizes file transfer speed

SATELLITE TRANSFER FTP ACCELERATION



Operation

TIXway software hooks transparently into the network path without complex integration and accelerates transfers with an optimized network protocol.

Features

- Software-only
- Easy integration on network layer
- Maximizes FTP performance
- WAN encryption

USE CASE: FILE-BASED CONTRIBUTION

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.”

Benefits

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.

Technical Background

“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.”