TIXway Universal

TRANSPARENT TCP SOCKET GATEWAY

TIXEL's high speed data transfer solutions for Wide Area Networks (WANs) cover scenarios far beyond pure file transfer. Because of its roots in streaming large uncompressed image sequences TIXEL's transfer engine is also capable of transferring arbitrary data streams – virtually in real-time.

TIXway enables data-intensive TCP-based applications for efficient operation in WAN environments.

TIXway boosts transfer performance: data rates of multiple Gigabits per second can be achieved on standard Internet Protocol (IP) networks – even on WAN links with typical impairments like packet loss, jitter, and high latency.

Instant Access	Save Storage	Save Time
Push or drag data directly to or from a central location.	Put your data instantly to the location where it is needed.	Do not waste any time on intermediate store and forward.

APPLICATION

TIXway Universal acts as a gateway for TCP connections. Just redirect a standard TCP-based application and rely on TIXEL's rock solid transfer technology to boost performance on wide area network links.

Local gateways run in the same local network or on the same machine along with the application's client or server components.

To deploy TIXway Universal the application needs to meet the following requirements.

- Data exchange via one or more dedicated TCP ports.

- Pure payload data exchange over TCP, no in-band network parameter negotiation.

OPERATION

Using TIXway as a TCP gateway is as simple as this:

1. Point a server side gateway (SSG) to the TCP address/port of the server application

2. Point a client side gateway (CSG) to the SSG.

3. Connect your client application to the TCP address and port of the local CSG instead of the actual server.

4. TIXway sets up the WAN connection with an accelerated data path between CSG and SSG

Your client-server application operates as before and benefits from a highly improved WAN performance.

ADVANTAGES

There are a lot of different applications that benefit from TIXway's TCP gateway functionality – e. g. directly stream your logging, business intelligence or media data to a remote location (e. g. to the head quarter) for instant access.

Or send your backups and archives directly to a save remote storage location and reduce recovery times to a minimum.

CHARACTERISTICS

- **Acceleration** of many legacy applications

- Loosely coupled integration via **standard TCP**

- Up to multiple Gigabits/s transfer speed – depending on the actual client-server application.

- Full speed **on-the-fly encryption**