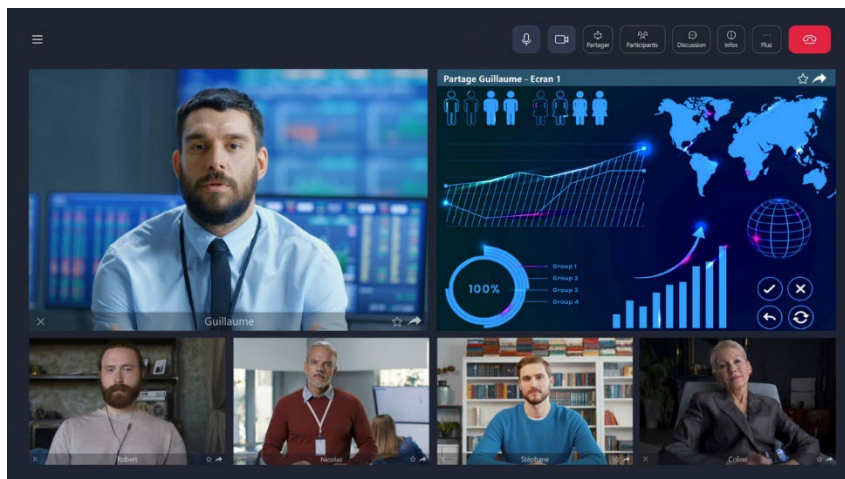


TIXEO EVOLVES ITS VIDEOCONFERENCING SOLUTION AND ADAPTS TO THE MOST EXTREME NETWORK CONDITIONS

Paris, April 05, 2023 - Tixeo - the French editor offering the only video conferencing technology certified and qualified by the ANSSI¹ - announces a major evolution of its solution with a new network layer to adapt to all conditions, including the most extreme ones, and thus optimize remote collaboration for its users. Tixeo is the first videoconferencing player to use the QUIC layer, which becomes the default network layer for all meeting streams.



The new version (V.17) of Tixeo now has several network layers on which audio, video and data streams can pass. The historical HTTPS layer is still present as a backup.

A major technological innovation: the QUIC layer

This step represents an unprecedented technological breakthrough for the video conferencing industry. It was made possible thanks to the partnership between Tixeo teams and François Michel, researcher at the University of Louvain in Belgium. This research work applied to Tixeo's secure video conferencing technology has allowed the company to be the first to use this advanced protocol for video and audio communications.

¹ French National Cybersecurity Agency

Learn more about QUIC

QUIC (Quick UDP Internet Connections) is a Layer 4 transport protocol that aims to improve the performance of Internet connections by using UDP (User Datagram Protocol) connections rather than TCP (Transmission Control Protocol). In particular, it allows a reduction in latency, better management of packet loss and increased security thanks to the implementation of mandatory encryption. It is used in particular for video streaming applications, for browsing and for online games.

Thanks to François Michel's expertise, Tixeo was able to implement new behaviours. One of these behaviours developed with Tixeo was the implementation of "partially reliable" communication channels on the QUIC layer. Concretely, if audio or video packets get lost, the network layer will try to resend them, exactly like the TCP layer, but within a time limit. **This avoids excessive latency that is noticeable to users during communication.** These "partially reliable" communication channels are perfectly suited to the multiple real-time audio and video streams involved in a videoconference.

Optimised user experience even in extreme network conditions

By integrating the QUIC layer to its solution, **Tixeo allows its users to enjoy better audio and video quality, with reduced latency, especially on bad and very bad networks.** The user experience is thus optimized, even in the most extreme network conditions.

Tixeo's QUIC layer adds the possibility to create several communication channels during a connection. Each of these channels is independent and can be reliable or unreliable. Moreover, these channels support priority (high or normal) regardless of their reliability.

Having multiple channels identified in a connection provides better tolerance for packet loss, because when a packet is lost, only the channel affected by that packet can be slowed down. Other channels are not impacted. This eliminates the "head-of-queue blocking" problems inherent in transport layer systems (such as HTTPS or TCP) that potentially cause latency in communications.

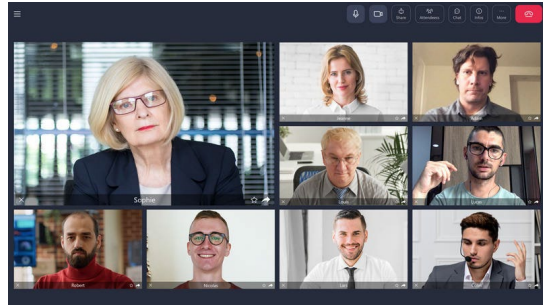
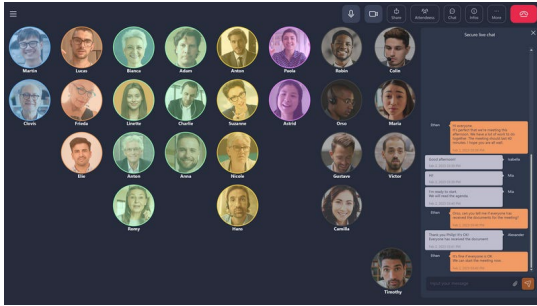
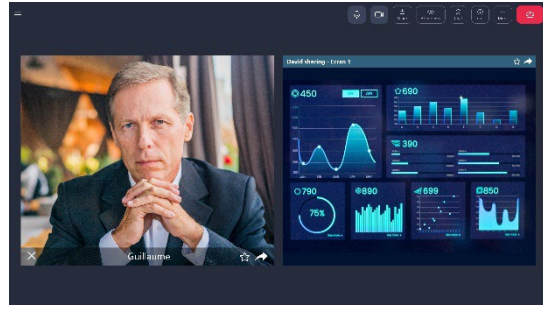
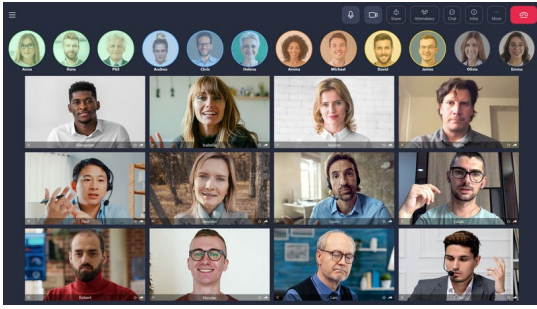


"We are proud to launch this new version which will provide our users with even greater comfort and quality in their audio and video communications wherever they are, in France or abroad. Our team of developers has been working on this version for several months to guarantee the highest quality and security that we are committed to provide to all our customers, partners and users" says Renaud Ghia, Tixeo's CEO.

Tixeo will present this V.17 version of its secure video conferencing solution at the next edition of the International Cybersecurity Forum (FIC), which will take place from April 5th to 7th 2023 in Lille (France). Visitors will be able to try the solution on the Tixeo booth (A4-32), located in the Hexatrust Village at the entrance of the Forum.



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About Tixeo :

Founded in Montpellier in 2004, Tixeo is the European leader in secure video collaboration. As the only French company offering a video conferencing technology certified (CSPN) / qualified by the ANSSI (French National Cybersecurity Agency), Tixeo has designed its video collaboration solutions based on a set of innovative mechanisms to ensure a level of security never before reached for online meetings. Tixeo is constantly adapting to new user needs by developing advanced and innovative collaboration and communication features and modes. The design and development of its software are exclusively made in France (100% Made in France).

- The French technology Tixeo is labelled "France Cybersecurity", "Cybersecurity Made in Europe" and "Used by the French Armies".
- Tixeo is a member of GICAT, the Alliance for Digital Confidence (ACN), CLUSIF and HEXATRUST.

Many French and European organisations trust Tixeo: Nexter, Naval Group, Dassault Aviation, Orange, Afnor, Bordeaux Airport, SOGETI, AMF, Enedis etc.

Learn more: www.tixeo.com