

ASSURED COLLABORATION SOLUTIONS

Tactical Chat Server (TacChat)

KEY FEATURES

- Friendly, intuitive, real-time collaboration
- Highly secure bidirectional communication
- Effective, high performance, scalable
- XMPP standards-based with Fast Connect & Reconnect capabilities for high latency, low bandwidth environments
- Includes the TransVerse chat client
- Designed to meet rigorous U.S. Department of Defense (DoD) standards
- Used by U.S. DoD, NATO, and Coalition nations
- JITC Tested (Summer 2015)
- On Air Force Evaluated/Approved Products List (AFE/APL)
- On DoD Unified Capabilities (UC) Approved Products List (APL) as an XMPP Chat Client

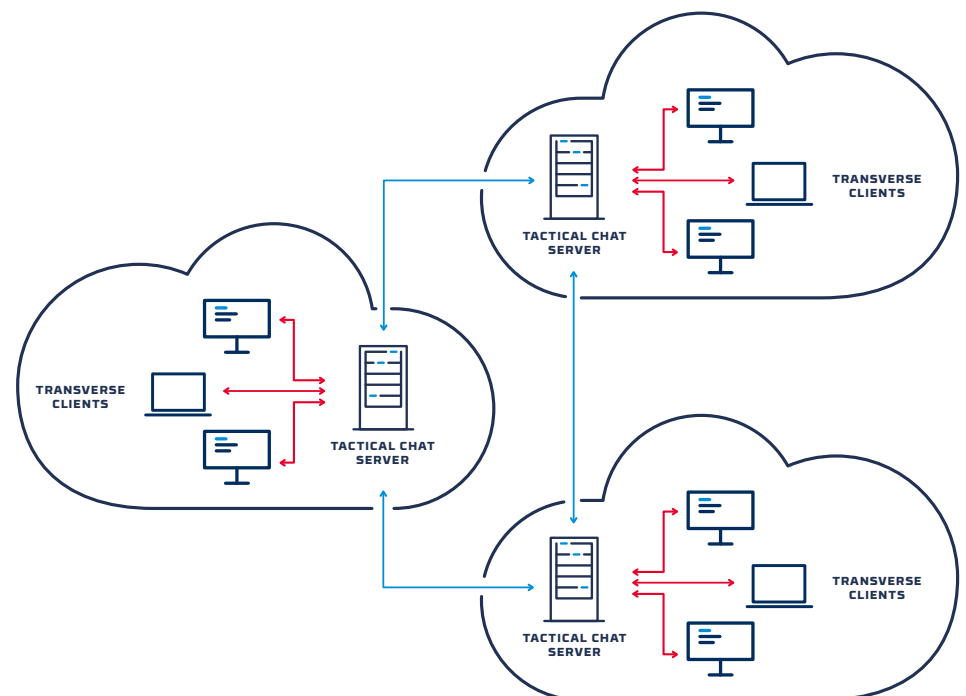
Secure Group, Private, and Whiteboard Chat

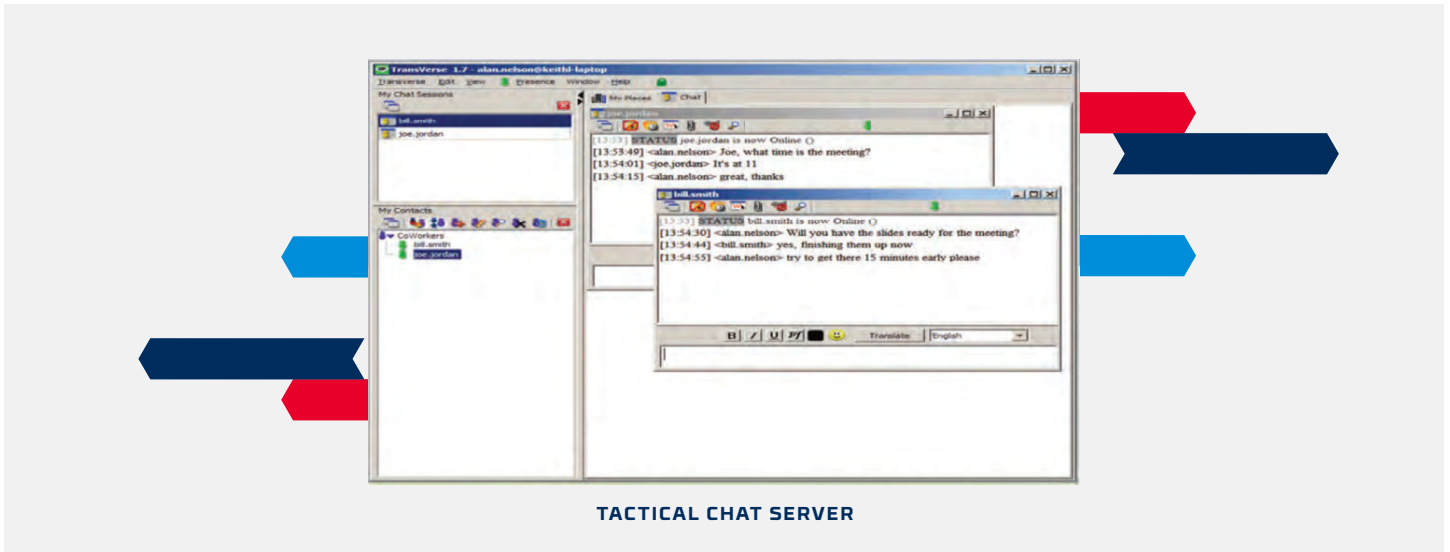
The balance between protecting and sharing information has never been greater than in today's environment of Joint and Coalition military operations. Effective national and international disaster response often depends on real-time coordination. The collaborative tool most often used for real-time critical information exchange is chat.

Chat rooms and white boarding have become key collaboration tools and have been used extensively on operational information sharing networks such as the NORAD Enterprise Network (NEN). In many scenarios, chat is preferred over radio because of its ability to reach multiple participants simultaneously and to provide a persistent record of the conversations for immediate and later reference.

The Owl Solution

Owl Tactical Chat Server (TacChat) enables real-time information sharing to simplify mission planning and execution with the benefit of collective intelligence. Command center watch standers monitor the projection of situational awareness as the data is received by the required players, up and down the chain of command and in geographically-dispersed locations. Action officers see what needs to be done and are able to respond quickly.





Standards-based, Certified Real-time Collaboration

TacChat was designed from the ground up to meet the rigorous U.S. DoD and National Security Agency (NSA) standards. It has been JITC tested, is on the U.S. Air Force Evaluated/Approved Products List (AF E/APL) and the OD Unified Capabilities (UC) Approved Products List (APL) as an XMPP chat client & server. Currently in use by U.S. DoD, NATO, and Coalition nations, other cross domain chat product on the market is as validated and accredited, or widely in use in Coalition networks.

Security and Certification

- Designed to meet rigorous U.S. Department of Defense (DoD) standards
- Used by U.S. DoD, NATO and coalition nations
- Single Sign On- Leverages Kerberos for SSO
- Assured Message Delivery
- Lockable Group Chat Settings allows the user to create a room on-demand with default settings for use, which cannot be changed by the user
- JITC Tested (Summer 2015)
- On Air Force Evaluated/Approved Products List (AF E/APL)
- On DoD Unified Capabilities (UC) Approved Products List (APL) as an XMPP Chat Client & Server

Features

- Multiple, simultaneous chat rooms, private chats, and whiteboards with individual security and access controls
- Provides a full set of chat features, such as user presence and discovery, buddy-list management, chat room discovery and management, multiple simultaneous room participation
- Fast Connection/Reconnect
 - Caching for entity capabilities (IQ versioning), room history, XMPP roster versioning, and DNS lookups
 - Aggregates XMPP presence message in a single TCP packet
 - Stream management to (re)sync servers after momentary drops
- Continuity of Operations
 - If the master room is unavailable, Distributed Multi-User Chat (DMUC) allows others in the federated environment to continue operations
 - Conversation Retrieval & Reporting allowing authorized users to query chat room history
- Multiple AD Servers
 - Supports connections to different AD servers in different enclaves or organizations
 - Fault tolerance if primary server fails
- Forms support incident management (e.g., Medivac, IED, hostile contact)
- Supports language translation engines such as SDL's Machine Translation Edge.



Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com