SINGLE DOMAIN COLLABORATION

TRIDENT SYSTEMS’
TACTICAL CHAT SERVER

Group Chat
Private 1-1 Chat
Whiteboard

- Friendly, intuitive, real-time collaboration
- Secure, bi-directional, single-domain collaboration
- Effective, high performance, scalable
- XMPP standards based
- Designed to meet rigorous Department of Defense (DoD) standards
- Used by US DoD, NATO and coalition nations
- 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

SINGLE-DOMAIN • REAL-TIME COLLABORATION • STANDARDS BASED
Tactical Chat Server (TacChat)

The collaborative tool most often used for real-time critical information exchange is chat. 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. Real-time information sharing simplifies 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.

Need and Value

- 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
- 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)

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/Re-connect
  - Caching for entity capabilities (IQ versioning), room history, XMPP roster versioning, and DNS lookups
  - Aggregate XMPP presence message in a single TCP packet
  - Stream management to (re)sync servers after momentary drops
- Single Sign On
  - Leverages Kerberos for SSO
- Assured Message Delivery
- Continuity of Operations
  - Distributed Multi User Chat (DMUC) allowing continuity of operations in group chat rooms so if the master room is unavailable, everyone else in the federated environment can continue to carry out operations
  - Conversation Retrieval & Reporting allowing authorized users to query chat room history for a user defined period of time
  - 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
- 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)