

XD Chat™

Secure Chat Collaboration Across Domains

Key Features & Benefits

- Secure cross-domain text chat across classified and unclassified networks
- Interoperability with Cisco Jabber, Openfire, and other XMPP-compatible platforms
- Flanker-proxy deployment that works with existing chat infrastructure
- Leverages certified structured data CDSs, including Owl V2CDS and Owl XD Bridge ST
- Optimized for low-bandwidth links and constrained mission networks
- Supports homogeneous and heterogeneous chats with classification labels
- Future integration with additional chat platforms and protocols, including IRC

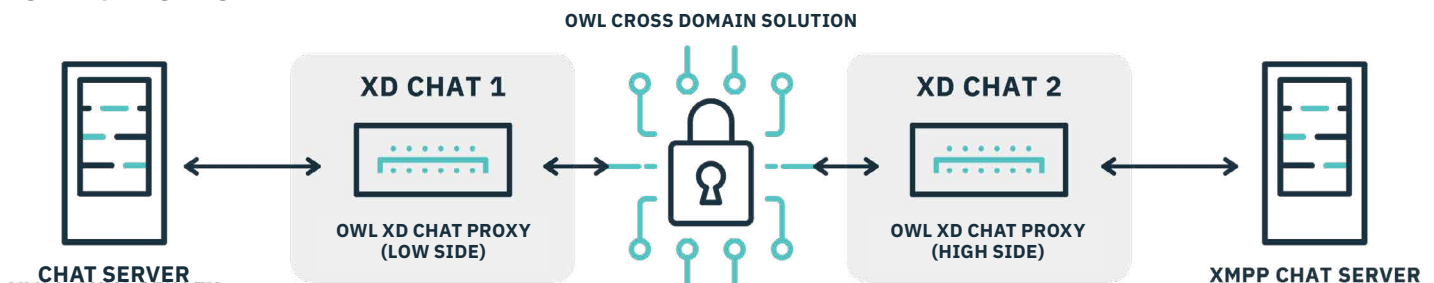
Designed for operators working across classified and unclassified networks, Owl Cyber Defense's® XD Chat™ integrates with structured data cross domain solutions to deliver secure cross-domain text chat collaboration. XD Chat offers seamless interoperability with existing chat platforms, and dependable performance in demanding mission environments while preserving existing infrastructure investments.

Built for mission-critical operations, XD Chat supports multi-party collaboration across security domains, maintains reliable performance in low-bandwidth conditions, and ensures interoperability between proprietary and open-source chat platforms.

Secure, Adaptable Cross Domain Chat for Mission Operations

Owl XD Chat is an XML-based text chat application that integrates with cross-domain solutions and deploys into existing environments as a flanker proxy, enabling secure message transfer between networks of varying classification levels. It supports low-bandwidth operations and interoperates with third-party proprietary systems such as Cisco Jabber and open-source platforms like Openfire, allowing users to seamlessly collaborate between homogeneous and heterogeneous chat technologies. Built on an extensible architecture, XD Chat integrates with Owl V2CDS™ and XD Bridge ST™ to securely transport structured chat messages across domains.

How it Works



XD Chat™ sits between classified and unclassified networks as a proxy, terminating chat sessions on each side and passing only validated chat messages are converted to structured data, filtered and validated by Owl's CDS pipeline, then re-originated on the destination network allowing users to seamlessly chat high to low or low to high.

Proven Interoperability with Owl Cross Domain Solutions

Owl XD Chat interoperates with Owl's structured data cross domain solutions, allowing agencies to keep existing chat servers while adding secure cross-domain capabilities. It supports cross-domain chat for Cisco Jabber to Cisco Jabber, Openfire to Openfire, and Cisco Jabber to Openfire on cross domain or between servers on a single domain.

- **V2CDS:** US Government certified—listed real-time voice, streaming audio, VTC, full-motion video, and structured data Cross Domain Solution for existing communications infrastructure.
- **XD Bridge ST:** US Government-certified, hardware-enforced high-assurance structured data Cross Domain Solution with a mature, diode-backed filtering pipeline for secure data transfer.

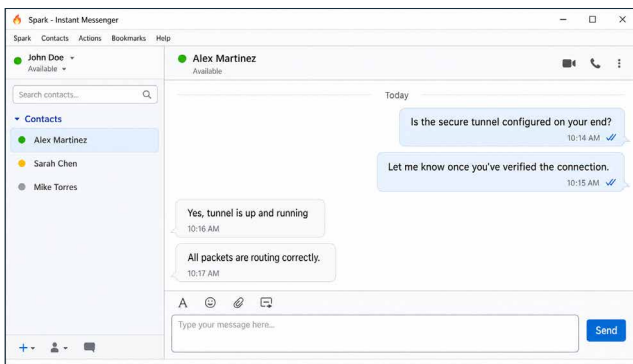


FIGURE 1
Illustrative example of an Openfire®/Spark® XMPP-based chat session.

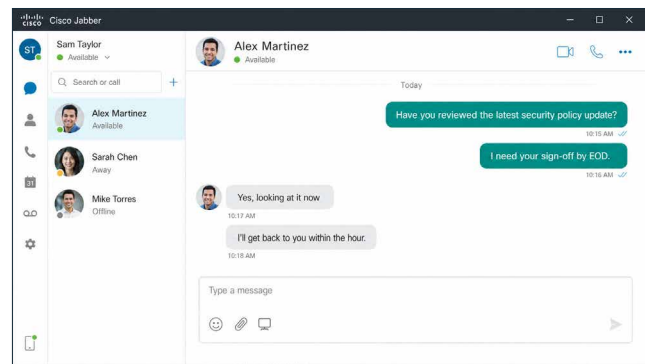


FIGURE 2
Illustrative example of a Cisco Jabber® instant messaging session.

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Owl Cyber Defense Solutions, LLC, headquartered in Columbia, MD, leads the industry in data diode and cross-domain network cybersecurity solutions for faster, safer and smarter decision making. We create solutions tailored for high-risk sectors including the military, government and critical infrastructure. Our advanced technologies enable secure, near-instantaneous collaboration, bridging network barriers to protect critical missions. With a focus on scalability and interoperability, Owl ensures that organizations can maintain secure, reliable, and compliant communication channels against evolving cyber threats.

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

