

## ASSURED COLLABORATION SOLUTIONS

# eXtensible Collaboration Bridge (XCB)

### KEY FEATURES

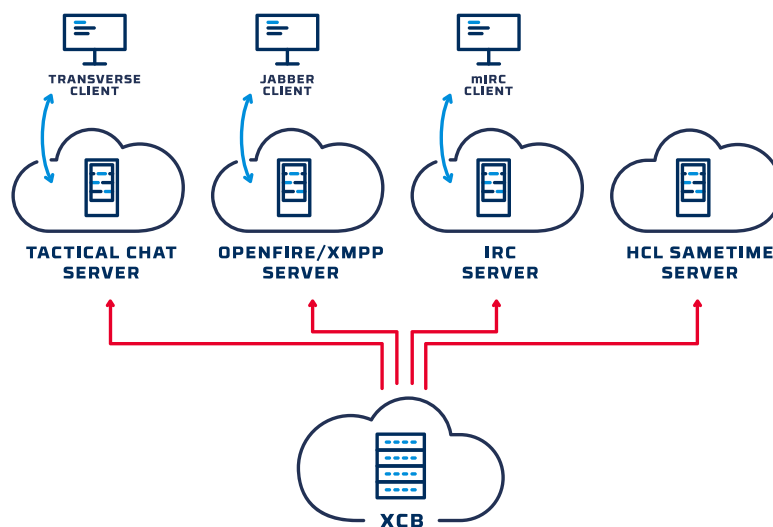
- Allows communication between current and legacy chat protocols
- Connects two or more servers running IRC (Internet Relay Chat), XMPP (eXtensible Messaging and Presence Protocol) and Sametime
- Can be cross domain-enabled using Owl's Collaboration Gateway (CG) solution
- Integrates seamlessly with existing chat systems, end users do not need to learn a new system
- No changes to the existing infrastructure required
- Sends messages posted in a room to all users on all chat systems
- Additional chat protocols coming soon

### Bridge Heterogeneous Chat Systems

As US defense and intelligence communities move to industry standard XMPP chat systems, existing legacy and coalition systems must be supported. These communities require a secure chat bridge that supports multiple legacy chat protocols and architectures, in order to connect heterogeneous environments isolated by different messaging protocols.

### The Owl Solution

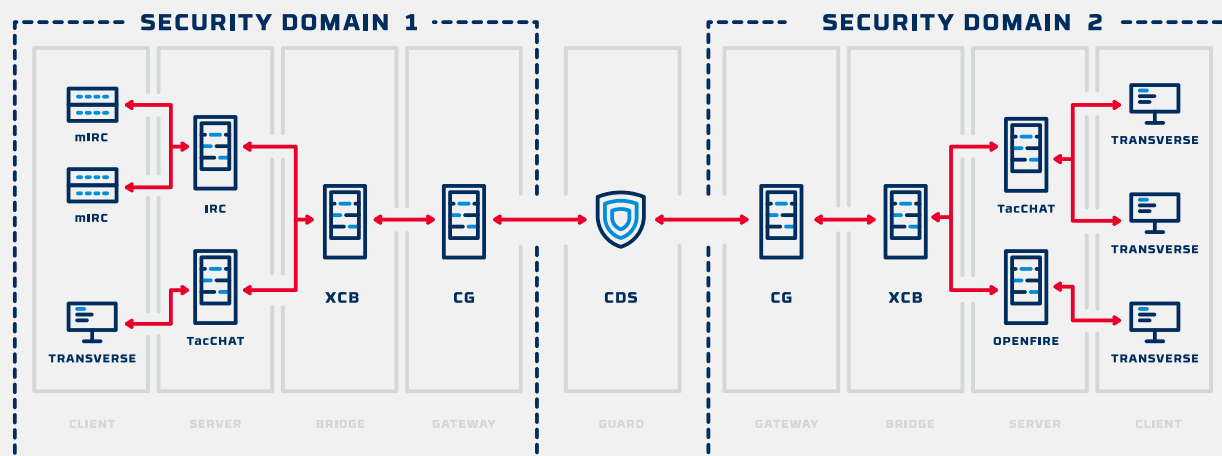
Owl's eXtensible Collaboration Bridge (XCB) was designed specifically to meet the needs of heterogeneous classified chat communities. With the XCB, organizations can integrate legacy chat protocols like IRC and HCL Sametime with, standards based Extensible Messaging and Presence Protocol (XMPP) chat protocol (XMPP has been selected as the chat protocol for DISA, because it enables multi-vendor interoperability). XCB systems operate on separate networks, operating at different security levels, connected via Collaboration Gateway (CG), Owl's cross domain chat system.



### Seamless Integration with Current & Legacy Systems

XCB is designed to easily integrate into any new or existing IRC, XMPP, or Sametime IRC servers without the need to change infrastructure or learn a new system. Messages can be posted across various chat servers to any number of users and rooms, with the ability to enable cross-domain chat via Owl's Collaboration Gateway solution.

## eXtensible Chat Bridge



## Security and Certification

- LDAP Support:
  - Maintains an internal Lightweight Directory Access Protocol (LDAP)
  - Easily imports LDAP information from external LDAP servers, including the GAL
  - LDAP is used to map attributes, typically email addresses, to a user's chat ID's on the network
  - Integrates with existing chat clients through the included web services API
- GAL Support:
  - Users enroll with GAL ID and two-factor authentication to the chat bot
  - GAL account can have multiple XMPP and IRC accounts associated
- Currently supported chat systems:
  - HCL Sametime client (v9.0.0) / HCL Sametime 9 Community Server (v9.0.0)
  - Owl TransVerse XMPP client (v1.9) / Owl TacChat XMPP server (v1.2.2) / OpenFire XMPP server (v4.1.5)
  - mIRC IRC client (v7.49) / Bahamut IRC server (v2.0.7)

## Features

- Maps disjointed rooms from multiple heterogeneous chat servers from an intuitive web-based administrator console
- Can be installed on a Red Hat Enterprise Linux system or virtual machine
- Operate across secure, autonomous networks and domains (cross domain) by connecting with Owl's Collaboration Gateway cross domain chat system
- Logs administrative actions and error conditions
- Administrator can configure rooms, servers, bridges, and security credentials, and view status of active bridged rooms

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