

USE CASE

Enabling Secure, Real-Time Cross Domain VoIP/Video

Challenge

→ Defense network security infrastructure creates communities of users who cannot communicate efficiently outside of their security domain

Solution

→ Owl's V2CDS provides a solution that delivers cross-domain communication securely, efficiently and in a user-friendly and timely manner.

Benefits

→ Secure, efficient, and user-friendly cross domain communication

The Challenge

Voice over Internet Protocol (VoIP) and point-to-point video are common tools for communication throughout the Department of Defense (DoD) and the Intelligence Community (IC). However, as currently deployed, the DoD infrastructure creates communities of users who cannot communicate outside of their network or security domain. One person would have to use multiple VoIP phones to reach different security domains from a single desk, thus making cross-domain collaboration cumbersome, slow, inefficient, and expensive. The inability of coalition partners to establish real-time cross-domain communication using a VoIP infrastructure not only obstructs operative collaboration, but in extreme scenarios can jeopardize the safety of combat forces in the field.

REQUIREMENTS

- Secure, real-time cross domain VoIP and point-to-point video communication
- Inline content filtering and bidirectional protocol break
- Collaboration facility re-use (not locked into classification level)
- Real-time collaboration with geographically distributed partner agencies and FVEY coalition community

USE CASE: BEFORE

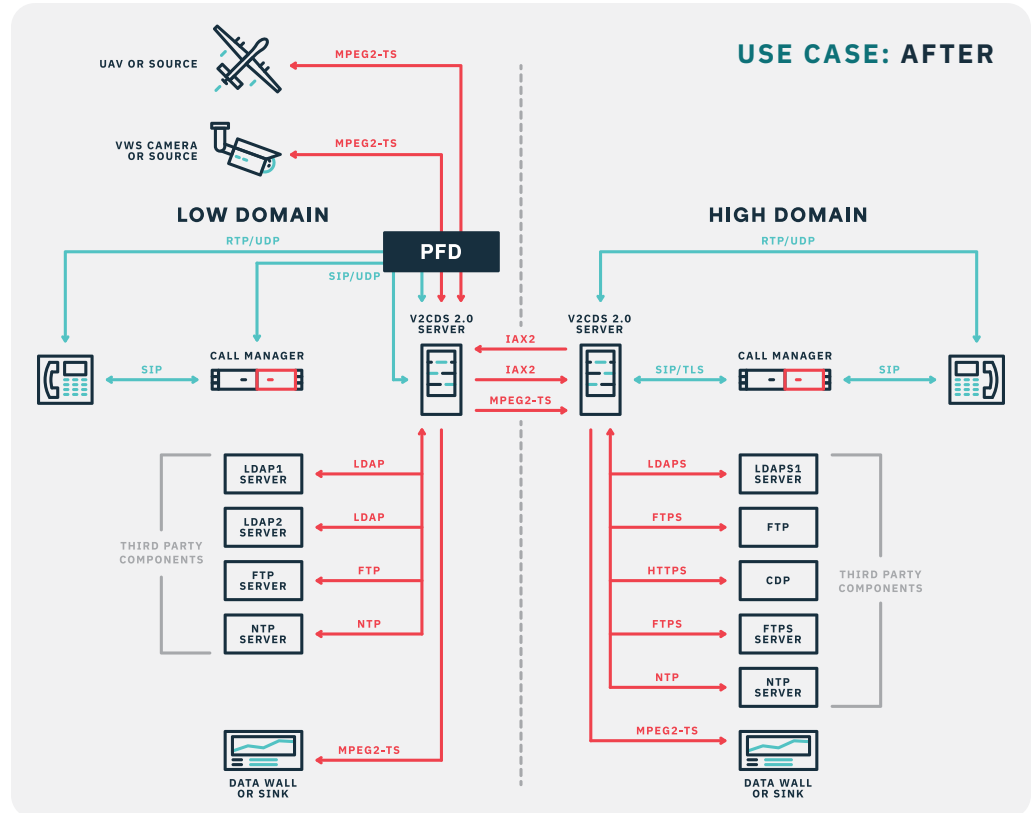


The Solution

Owl's V2CDS provides a solution that delivers cross-domain communication securely, efficiently and in a user-friendly and timely manner. The V2CDS solution enables users to hold two-party direct [one-to-one calls] and multi-party digital voice/audio calls between security domains and enhances VoIP functionality with added video support. With V2CDS, users initiate, run and securely close point-to-point videophone calls [one-to-one videophone calls] using cross-domain communications. V2CDS also authenticates users, and reduces covert channels to an acceptable risk, while simultaneously maintaining point-to-point video capability.

The Result

- Provided secure, efficient and user-friendly cross-domain communication
- Enabled close point-to-point videophone calls using cross-domain communications
- Eliminated travel time and costs for classified meetings
- Reduced infrastructure costs for materials and support services
- Mitigated covert channel risk



V2CDS™: Cross Domain Voice, Video, & Data.

V2CDS is a mission-tested, U.S. Government-certified cross-domain solution for secure, real-time cross-domain voice, video, and structured data. V2CDS is purpose-built to support fixed facilities, forward-deployed sites, and rugged tactical environments where operational continuity and classification integrity are non-negotiable. Adaptable to diverse mission requirements, V2CDS consolidates the deepest FMV filtering available, industry-leading cross-domain voice and VTC and DFDL-based data filtering for increased user control on a single certified platform defence & intel missions depend on.

