

## USE CASE

# Multi-Domain VTC Without Infrastructure Overhaul

## Secure multi-domain video teleconferencing using infrastructure you already have

### Challenge

→ Users on classified networks can't join VTCs across domains.

### Solution

→ Owl V2CDS connects directly to your call managers and MCUs as a SIP trunk.

### Benefits

→ Multi-domain VTC from a single endpoint. Users make cross-domain calls as simply as dialing a long-distance number, with domain-crossing announced automatically.

### The Challenge: Separate Networks Block Cross-Domain Collaboration

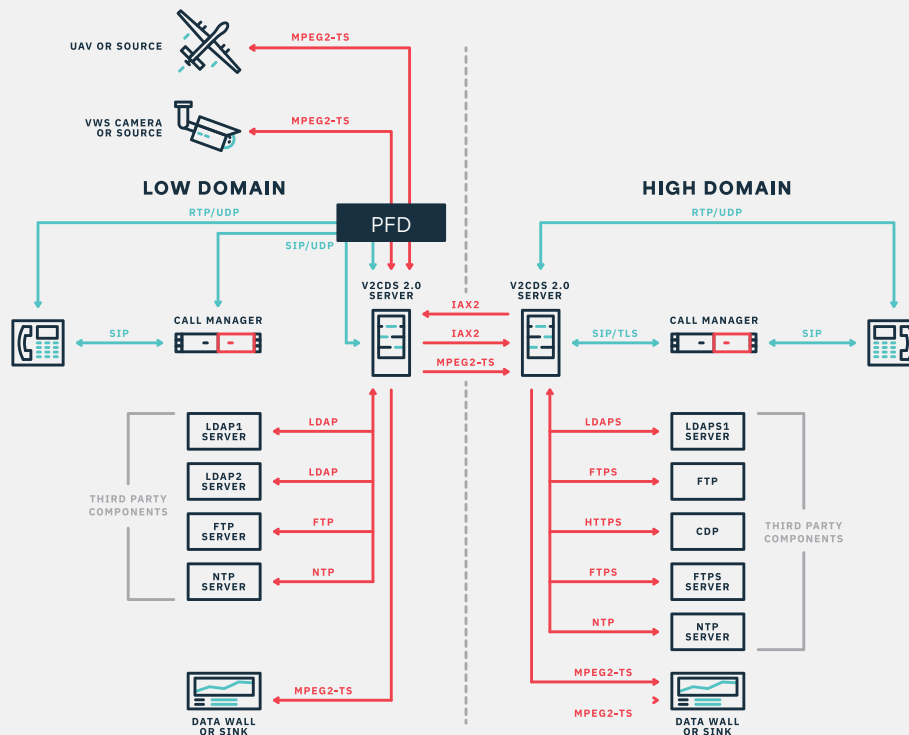
Defense and intelligence teams rely on video teleconferencing (VTC) for mission-critical collaboration, but existing Voice over IP (VoIP) and VTC infrastructure is siloed by classification domain. Operators on separate networks, whether Top Secret, Secret, or Unclass, cannot conduct multi-party VTC without standing up redundant systems or manually transferring information across air gaps. That means slower decisions, duplicated infrastructure costs, and operational friction at exactly the moments when speed and coordination matter most.

### The Solution: V2CDS Bridges Domains Using Existing Infrastructure

Owl's V2CDS connects to existing Call Managers and Multipoint Control Units (MCUs) as a Session Initiation Protocol (SIP) trunk provider, enabling operators on separate classification domains to conduct multi-domain VTC using compatible endpoints and infrastructure already in place. No parallel stack. No forklift upgrades. V2CDS authenticates users, enforces strict packet handling, and applies real-time security filtering and audio processing to mitigate covert channels — so classified conversations stay classified and cross-domain calls remain operationally seamless for the end user.

### The Result: Faster Decisions, Fewer Constraints, Lower Risk

- **Existing infrastructure stays in place:** V2CDS integrates with current PBX systems, call managers, face phones, and MCUs, eliminating the cost and complexity of standing up a parallel communications stack.
- **Real-time covert channel mitigation:** Assured pipeline architecture and real-time security filtering reduce covert channel risk to an acceptable level without degrading call quality or introducing latency.
- **US Government-certified:** V2CDS is approved for deployment across U.S. DoD and IC networks, meeting rigorous Raise the Bar (RTB) standards for cross-domain solutions.
- **Adapts to mission requirements:** Supports point-to-point and multi-party audio and VTC calls across TS-S, S-S, and S-U domain pairs, with high-availability SIP trunk failover and configurable dial plans.



USE CASE: AFTER



## 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.



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](http://www.owlcyberdefense.com).

