

Rigorously Tested, Globally Trusted

Safeguarding our future demands advanced cybersecurity measures that enable highly-controlled data flows between secured domains. This secure transfer of information empowers critical operators to make the best possible decisions that drive mission success and ensure national and operational resilience.

For over 25 years, Owl Cyber Defense has been a trusted partner for defense, intelligence, and critical infrastructure organizations, providing the proven cross domain communication solutions they need to reliably and securely share information, collaborate, and achieve decision dominance.

The Owl Advantage

- **Trusted** by U.S. DOD & IC, FVEY, and global critical infrastructure organizations for consistent, dependable performance in mission-critical environments.
- **Scalable** deployment options and accessible, opensource architecture increase interoperability and simplify maintenance to reduce total cost of ownership.
- **Certified** solutions meet or exceed rigorous U.S. government standards for secure data transfer, including the latest RaiseThe-Bar security compliance guidelines.
- **Innovative** next-generation cross domain security solutions transform communication possibilities into realities.

Accelerating Zero Trust

Owl CDSs and data diodes provide security assurance checkpoints and validation between domains, directly supporting and enabling zero trust principles.

Serving Coalition Forces

First and only U.S. Government tested & certified exportable cross domain solutions to be deployed in coalition (non-FVEY) networks.

Enabling & Securing A.I.

With secure data validation and filtration mechanisms, Owl cross domain security technologies create a secure infrastructure for data transfer to and from AI systems.

Proven Hardware & Software Expertise

For over 25 years, Owl has led the world in both the hardware and software development experience and expertise necessary to develop and shepherd elite cross domain security technologies to the field.

First & only:

- USG-accredited voice & video CDS
- USG-validated exportable CDS
- Industrial/Commercial CDS
- Secure gateway for iOS & iPadOS into closed enclaves
- Portable Protocol Filtering Diode for Incident Response

Industry first:

- Commercialized data diodes
- Bidirectional data diodes
- Miniaturized data diodes
- Multi-purpose data diodes
- Database replication over OWT
- Multi-domain voice & video CDS

Industry authority on:

- Streaming cross domain transfer
- Voice & video data filtering
- Structured data filtering
- One-way transfer hardware
- One-way transfer software
- Protocol adaptation & filtering
- FPGA technology
- DFDL schema development
- Security architecture
- SELinux & OS security policy
- HTN architectures & solutions

Next Generation Solutions

Owl's vision is to create trusted, modular solutions that are licensable by capability and deployable on the hardware appropriate for the customer use case.

Cross Domain Solutions

RTB-compliant, certified and approved cross domain transfer for reliable, secure communications and collaboration among agencies, departments, and mission partners. All solutions feature an open-source system architecture and technology stack for maximum interoperability with no vendor lock.

V2CDS – Voice, video, audio & structured data collaboration solution

XD Vision – Multi-domain voice, video & XML collaboration solution

XD Bridge ST – Streaming structured data solution with built-in data diodes

XD Guardian XML – Exportable streaming structured data CDS with built-in data diodes

Key Capabilities

Audio & Voice Collaboration *Point-to-Point, Multi-Domain*

Video & Voice (VTC) Collaboration *Point-to-Point, Multi-Domain*

FMV (Audio, Video, ISA) Transfer *Point-to-Point, Multi-Domain*

Structured Data Transfer *Point-to-Point*

Exportable (non-ITAR) Structured Data *Point-to-Point*

Mission Edge Solutions

Next-gen security for where the mission actually happens- the media they're carrying, the device in their hand, and the conversation they need now. Bring the tools operators already reach for safely inside air-gapped and classified environments, without waiting on the network.

XD Tyton – Secure gateway for iOS & iPadOS into closed environments

XD Chat – Enables secure text chat across domains

XD Air – Scans and cleans portable media of malware for secure classified data transfer

Key Capabilities

Secure over-the-air iOS, iPadOS updates

Homogeneous and heterogeneous text chat with classification labels

Multi-engine antivirus & CDR scanning

Protocol Filtering Diodes

Hardware-enforced one-way transfer with flexible deployment. Out-of-the-box readiness and streamlined user interface means diodes can be up and running in less than 5 minutes.

Owl Talon – Flexible, modular, U.S. Gov.-evaluated protocol filtering diode platform designed for one-way transfer at up to 100 Gbps.

Owl Incident Response Diode (IRD) – First purpose-built solution for hardware-enforced, one-way transfer from compromised endpoints.

Key Capabilities

Multiple, simultaneous dataflows on one device

Compatible with a variety of COTS platforms

U.S. Gov Evaluated PFD solutions

Enhanced software security with SELinux and STIG compliance

High-speed transfers up to 100Gbps

Solution Engineering

End-to-end CDS expertise, including SELinux, RTB compliance, LBSA testing, and more.

Custom data filter development and DFDL schema creation.

Solutions architecting & CDS/diode implementation.

User training on cross domain technologies and systems hardening.

