

XD Vision™ 2.0

Enterprise Distributed Configuration

Scalable, Secure Multi-Domain Collaboration Voice, Video & Data

Key Features

- Meets U.S. Government's CDS Baseline requirements and approved for deployment to the U.S. DoD & IC
- Meets rigorous "Raise the Bar" standards
- Supports numerous use cases through a flexible & scalable architecture
- Enables real-time voice, video (with KLV), and high-volume structured data transfer
- Monitors and controls all domains and data flows from one interface
- Dedicated appliances ensure high throughput and low latency
- DFDL-based schema customization for flexible, cross-domain binary and XML data parsing and streaming—without vendor lock-in
- Securely links separate federations as standard domain connections
- Maintains rapid, reliable data transfer for mission-critical workloads

Platform Compatibility:

- **Pipeline Appliance:** HPE DL 385 (One for every 3 domains)
- **Dispatcher:** HPE DL 385 (One for every 8 domains)
- **Gateway:** HPE DL 360 (One for every domain)

XD Vision™ 2.0: Cross-Domain Collaboration From Edge to Enterprise on a Single Unified Platform.

XD Vision™ 2.0 is Owl Cyber Defense's® next-generation Cross-Domain Solution (CDS) platform purpose-built for the full spectrum of defense and intelligence mission requirements. It consolidates Owl's mission-tested legacy CDS into a single modular architecture that enables secure, real-time cross-domain communications, including VoIP, VTC, FMV with KLV and geo-fencing, chat, and structured data streaming. Available in multiple form factors and configurations, XD Vision 2.0 reliably scales from peer (2-domain) links to complex multi-domain environments. Backed by ongoing U.S. Government evaluation, it features flexible protocol adapters, pluggable content filters, remote management and monitoring, enhanced auditing, and a unified, intuitive GUI. XD Vision 2.0 delivers the flexibility, scalability, and defense-grade security required to accelerate mission readiness from the enterprise core to the tactical edge.

Enterprise Distributed Configuration

The XD Vision 2.0 Enterprise Distributed configuration delivers maximum scalability and performance in complex, multi-domain enterprise and data center deployments. By separating core functions across modular Gateways, Dispatchers, and Pipeline Appliances, it efficiently manages high-volume data flows across numerous security domains. Purpose-built for large-scale operations, this configuration enables secure, simultaneous VoIP, FMV with KLV, and structured data transfer, with flexible customization to meet today's mission demands and scale for tomorrow's.

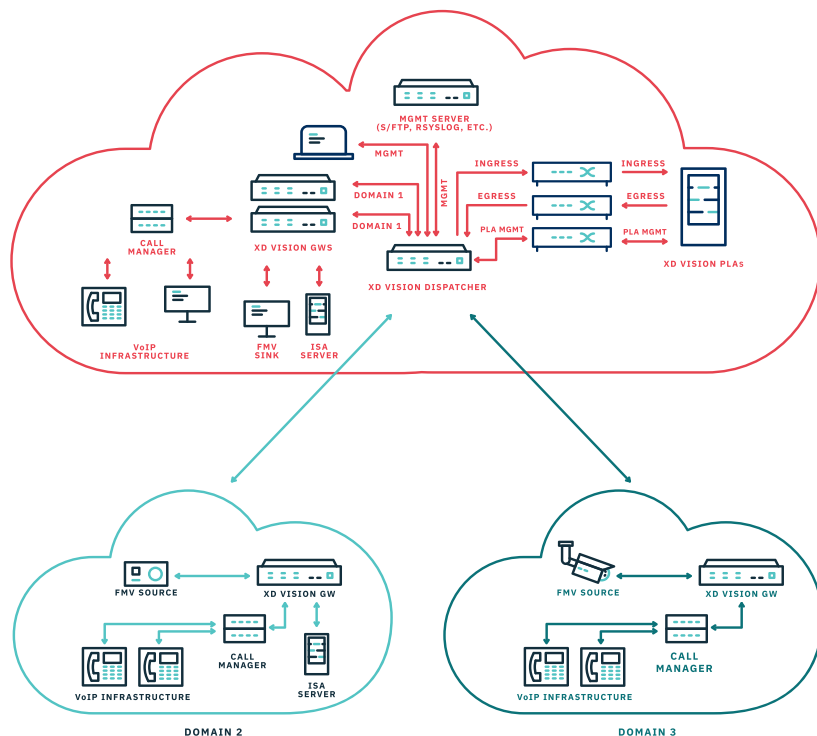
Scalable, Multi-Domain Mission Collaboration

Ideal for complex enterprise environments that require secure, simultaneous voice, video, and data movement across multiple domains, this architecture supports real-time collaboration, mission continuity, and high-throughput streaming from the data center to the tactical edge. It delivers scalable, long-term value by growing with mission demand while protecting existing infrastructure investments.



This product is ITAR controlled and additional licenses may be required to export.





How It Works

In this configuration, multiple domains connect through distributed Gateways, a central Dispatcher, and Pipeline Appliances to manage all cross-domain data flows. When a source in one domain initiates a session with another, the traffic is sent from its Gateway to the Dispatcher, which verifies that the communication is permitted under security policy before filtering the voice, video, and data through the egress and ingress pipelines and revalidating the session prior to delivery.



4 Mission-Ready Deployment Options for Diverse Mission Requirements

In addition to the **Enterprise Distributed** configuration, XD Vision 2.0 is available in the following configurations:

- **Point-to-Point Dual Server** configuration, ideal for high-volume peer VoIP, FMV, & data streaming with strict hardware separation requirements.
- **Single Box Multi-Domain** configuration, designed for scalable data & audio streaming across up to 12 domains from a single chassis.
- **Point-to-Point Single Server** configuration, to be validated during LBSA, is optimized for low-SWaP environments with streaming data, audio & FMV requirements.