



Catalyst

Orchestrate the Mission. Power the Network.

Catalyst connects systems, sensors, and decision-makers through a governed Common Operational Data Layer (CODL). It unifies fragmented data without relocating it, giving you precise control over who can see and use what, when, and how.

Built for today's mission networks, Catalyst delivers near-real-time data movement, partner-specific visibility, and seamless integration across federated environments. With zero-trust networking, a post-quantum-ready security architecture, and scalable interoperability, Catalyst makes security a feature, not a barrier.

PLATFORM HIGHLIGHTS

✓ Federated Security & Access Control

Catalyst puts data owners in control. Access is governed by attribute-based movement and release policy evaluated at every hop, not bolted on at the perimeter, so owners decide who can see and use what, when, and how. Policy travels with the data across nodes, sites, and partners.

✓ Configurable Data Catalog

Every plugin, flow, and data type on the CODL is registered, versioned, and discoverable through a governed artifact registry and a typed content taxonomy, so operators can find and reuse what they need, and governance scales with operations regardless of format or location.

✓ Unified Data Fabric

Catalyst eliminates silos with a transport-agnostic data mesh. Systems publish and subscribe over a Common Operational Data Layer (CODL) without relocating their data. There is no central hub and no single point of failure. The mesh routes around any node that goes dark. Integration is seamless, governed, and consistent, with no duplication and no delay.

✓ Post-Quantum Encryption

Catalyst is built for the post-quantum era: inter-node transit is designed for hybrid ML-KEM (FIPS 203) key exchange over mutually authenticated TLS, protecting operational data against harvest-now-decrypt-later threats in contested environments.

✓ Tool-Neutral Integration

Catalyst fits your stack, not the other way around. It empowers partners to use their preferred tools while still enabling full participation in a shared mission ecosystem.

✓ Built for Innovation

Whether onboarding a new sensor, linking to a foreign partner, or deploying a tactical node, Catalyst makes it fast, secure, and repeatable.

Trusted. Integrated. Mission-Ready.
Orbis Catalyst



Contact us for additional
information, demonstrations,
and pricing.

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