Mattermost

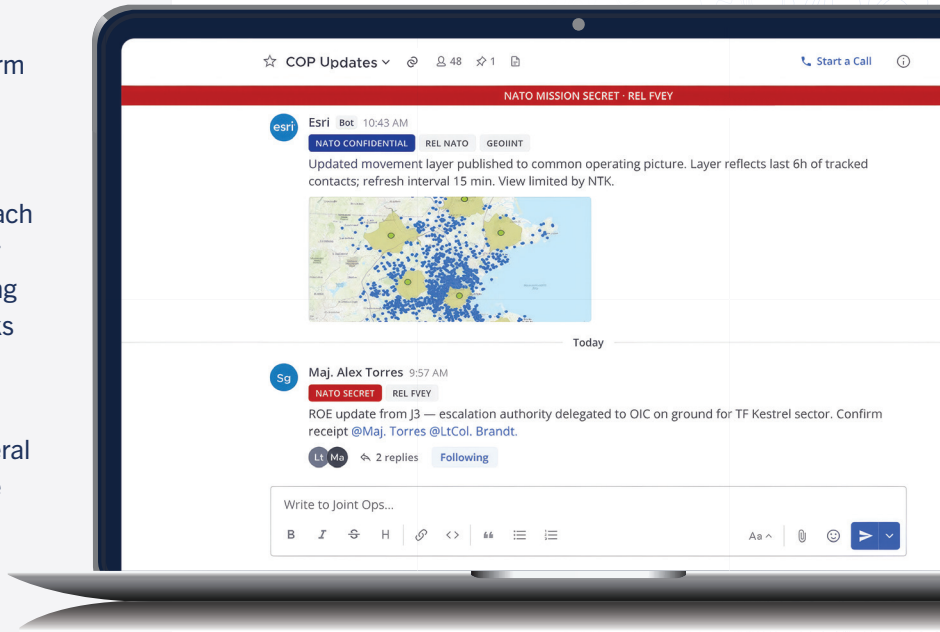
Modernization of High Side Collaboration

A unified, sovereign platform for classified intelligence operations

Who is Mattermost?

Mattermost is a self-hosted collaboration platform purpose-built for organizations that require a sovereign, extensible foundation for secure communications. Unlike commercial cloud platforms, Mattermost deploys entirely within each network boundary - on-premises, air-gapped, or in a government-controlled data center - enabling federated instances to bridge classified networks without creating a single point of risk.

Trusted by allied defense and intelligence communities across Five Eyes, NATO, and bilateral partnership networks, Mattermost serves as the collaboration backbone for operations where controlled information sharing - not information siloing - is the mission requirement.



The Problem

High-side collaboration today is a patchwork of isolated systems: legacy chat within a network, email, and out-of-band voice calls across networks. Sharing intelligence or operational data across classification boundaries requires manual processes - physically moving data, maintaining separate logins on each network, or accepting the risk of uncontrolled voice coordination.

The problem is not within any single network. It is the gaps between them - between national classified networks, coalition partner environments, and different classification levels - where mission-critical decisions are delayed and information remains siloed.

The Solution

Mattermost functions as a federated layer that bridges classified and coalition networks rather than replacing existing tools. Deployed as a sovereign instance within each network boundary, federated Mattermost servers share selectively - enforcing policy controls at each endpoint while enabling the cross-domain information flow that modern joint operations require.

Three core scenarios: low-to-high (aggregating information from lower classification environments), high-to-high (sharing between national classified networks), and high-to-coalition (controlled sharing across coalition and bilateral partner networks).

Modern High Side Foundations

Replacing fragmented legacy tools with Mattermost gives intelligence analysts and operators a unified environment that aggregates capabilities, enforces controls automatically, and accelerates decision-making at the speed of the mission:

- **Federated instances across agencies and coalition networks** for controlled high-to-high and high-to-coalition information sharing, with consistent enforcement applied at every endpoint rather than trusted at the boundary alone.
- **Cross-Domain Solution (CDS) integration** supporting low-to-high, high-to-high, and high-to-coalition-network scenarios across allied partner environments.
- **Legacy chat integration** enabling cross-domain messaging in allied operational contexts, connecting classified and cross-domain chat tooling to mission-relevant Mattermost channels.
- **Program-based encryption** compartmentalizes Need-to-Know at the channel level, providing cryptographic controls beyond standard classification handling - including for shared coalition channels.
- **Attribute-Based Access Control (ABAC)** automatically governs access to channels and files based on user clearance, program affiliation, coalition membership, and resource sensitivity - not just network membership.
- **Channel-level classification designations** extend into direct messages, reducing spillage risk at every interaction across network and coalition boundaries.
- **Data spillage handling** enabling any user to flag, isolate, and route a potential leak to the security team immediately.
- **Sovereign AI skills** - Situation Report, Decision Log, After Action Report - compiled from live channel activity with mandatory human-in-the-loop review.

Cross-Domain Federation and Network Interoperability

Intelligence and defense organizations operate across multiple network boundaries - national classified networks, coalition partner environments, and combined operations centers. Mattermost's federated architecture keeps every element connected without collapsing those boundaries:

- **Federated instances across network boundaries** allow selective, policy-controlled information sharing while preserving the sovereignty and integrity of each environment - no single federated server holds the keys to all.
- **Program-based encryption with ABAC** ensures that access to shared coalition data is governed by user attributes, program affiliation, and coalition membership - not just the network the user happens to be logged into.
- **Cross-domain support for Five Eyes, NATO Secret, and allied bilateral networks** with enforcement policies applied independently at each federated endpoint to match the classification and releasability requirements of each environment.
- **Open-source architecture** provides full auditability and transparency over source code, federation policies, and deployments - enabling allied partners to independently verify trust without accepting a black-box commercial product.
- **Extensibility via APIs, webhooks, and plugins** connects Mattermost to modern and legacy systems within each network boundary without expanding the attack surface or creating cross-domain dependencies.
- **Audit-ready logging and access controls** meeting the compliance requirements of multiple national security frameworks simultaneously - adaptable to each nation's own classification and cybersecurity standards.

Sovereign AI and Intelligence Integration

The intelligence community is among the highest adopters of AI-assisted analysis - and the most demanding about where inference happens. Mattermost integrates AI that stays entirely within your network boundary:

- **Sovereign AI model integration** keeps inference, model weights, and all AI responses entirely within your network boundary - no data routed through external AI providers or foreign cloud infrastructure.
- **AI-drafted Situation Reports and Decision Logs** compiled from live channel activity, explicitly labeled AI-generated and requiring analyst review before any operational use.
- **After Action Reports** automatically assembled from channel history across federated instances, reducing post-mission documentation burden without sacrificing completeness.
- **AI skills that understand coalition context** - Situation Reports and Decision Logs drafted from multi-network channel activity, with source network and classification level preserved in the output.
- **Playbook-driven incident response** automates mission coordination and compliance workflows, reducing mean time to response across distributed and coalition teams.
- **Human-in-the-loop guardrails** on all AI outputs - analysts remain in command of every decision, with explicit regenerate and dismiss controls at every step.

Trusted by National Security Organizations

Mattermost is trusted by defense and intelligence organizations across allied nations to protect data and enable secure collaboration across classification and coalition boundaries:

National Security

- U.S. Department of War
- U.S. Air Force and Space Force
- Multiple NATO member states and allied nations
- Major European defense and intelligence organizations

Ready for multi-domain secure operations?

Contact us today at mattermost.com/contact-sales

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