

Mattermost Capabilities Statement

Mattermost is a secure collaboration platform built on open source and designed to enhance mission-critical work in on-premises, hybrid, and public or private cloud environments. Mattermost provides a comprehensive suite of capabilities to address the unique challenges faced by the Department of Defense in both mission operations and software development. This capabilities statement explains how Mattermost's secure, scalable, and flexible platform enables the DoD to enhance operational efficiency, decision-making processes, and overall mission readiness.

Mission Operations Capabilities

Secure Command and Control (C2)

Mattermost provides a robust platform for secure Command and Control operations, enabling real-time communication and coordination across various echelons of the DoD.

- **Real-Time Operational Picture:** Mattermost creates a comprehensive real-time operational picture by integrating data, tools, teams, and mission partners, driving decisive action.
- **Rapid Decision-Making:** The platform accelerates critical processes, enabling commanders to make faster, more informed decisions during high-stakes missions.
- **Situational Awareness:** Teams have instant access to detailed operational information, including real-time access to reports, maps, and personnel locations.

Enhanced Communication and Coordination

Mattermost's secure messaging platform with audio and screen sharing capabilities significantly improves communication across all levels of defense operations.

- **Instantaneous Information Sharing:** Defense teams can share critical information in real-time within a shared collaboration space, reducing the risk of miscommunication.
- **Cross-Branch Coordination:** Facilitates seamless communication between different branches of the military, supporting joint operations and exercises.
- **Data Sovereignty:** Self-hosted and private cloud options provide complete control over data, meeting stringent security requirements.
- **Mobile Readiness:** Secure mobile apps enable personnel, including flight crews, to access critical documents and communicate from anywhere in the world.

Advanced Decision-Making Support

The platform empowers defense teams to analyze information swiftly and make agile decisions as conditions rapidly evolve.

- **Real-Time Data Analytics:** Enables sharing and discussion of real-time data for informed decision-making.
- **AI-Powered Decision Support:** Leverages artificial intelligence to enhance decision-making processes.
- **Collaborative Decision-Making:** Allows experts from various fields to contribute insights, resulting in well-rounded operational strategies.

Software Operations Capabilities

Agile Software Development Integration

Mattermost deeply integrates with a wide range of developer tools, enhancing productivity throughout the software development lifecycle. Mattermost excels in orchestrating developer workflows, providing advanced capabilities for Engineering and IT management.

- **Developer Tool Ecosystem:** Pre-packaged integrations with common tools like Jira, GitHub, Confluence, and GitLab streamline workflows and reduce context switching.
- **Custom Workflows:** Open APIs and developer frameworks allow for tailored workflow automation. Utilize playbooks for structured workflows, including task automation and stakeholder updates.
- **Code Sharing and Collaboration:** Share code snippets directly within channels for quick peer review and collaborative problem-solving.
- **Agile Development Support:** Supports all phases of agile development, including planning, building, releasing, and operating.

Secure DevOps Environment

Mattermost provides a secure environment for DevOps practices, crucial for DoD software operations.

- **Self-Hosted Deployment:** Deploy Mattermost on-premises or in a private cloud, maintaining full data control.
- **Compliance Integration:** Conform to in-house security and compliance frameworks for strict data governance.
- **Air-Gapped Deployment:** Supports deployment in air-gapped networks, ensuring the highest level of security for classified development environments.

Extensibility and Customization

Mattermost offers extensive customization options to meet the specific needs of DoD software operations.

- **Custom Apps and Bots:** Enhance Mattermost with custom apps, bots, and integrations from the Mattermost Marketplace.

- **Multi-Language Support:** Supports 20 languages, catering to global development teams.
- **Custom Plugins:** Develop custom plugins to extend Mattermost's functionality for unique operational needs.

Collaboration at Scale

Mattermost supports large-scale collaboration, essential for complex DoD software projects.

- **Channels:** Organize discussions in channels for real-time collaboration on projects.
- **File Sharing:** Share files and documents securely within development teams.
- **Scalable Architecture:** Designed for enterprise scalability, supporting large-scale DoD operations.

Helpful Resources

<https://mattermost.com/mission-critical-collaboration-for-modern-defense/>

Outlines Mattermost's capabilities for defense operations, including secure command and control, enhanced communication, and support for CJADC2 interoperability. It also details specific solutions for different branches of the military.

<https://info.augustschell.com/streamline-mission-critical-communications-with-mattermost>

Highlights how Mattermost empowers commanders to make faster, more informed decisions in high-pressure environments, focusing on real-time communication, optimized decision-making, and situational awareness.

<https://mattermost.com/blog/modernize-defense-operations/>

Discusses how Mattermost modernizes defense operations by enhancing communication, empowering secure information sharing, facilitating agile decision-making, and streamlining training and knowledge sharing.

<https://mattermost.com/newsroom/press-releases/mattermost-enables-real-time-mission-workflow-with-completion-of-1-1-million-afwerx-sbir-phase-ii-contract/>

Announces Mattermost's completion of an AFWERX contract, releasing new audio and visual capabilities to support enhanced Command and Control efforts for the US Air Force.

<https://mattermost.com/customers/us-department-of-defense/>

Case study on how the USAF improved mission information availability by 4x using Mattermost, detailing its implementation in Platform One and use by Air Mobility Command for field operations.