

Lockheed Martin Revolutionizes AI Integration With STAR.OS™

Lockheed Martin launches the STAR.OS™ solution, a groundbreaking tool that enables different artificial intelligence (AI) systems to work together seamlessly.

BETHESDA, Md., Nov. 6, 2025 – Lockheed Martin has made a major breakthrough in artificial intelligence (AI) technology with the introduction of the STAR.OS™ solution, a powerful new tool that enables different AI systems to work together smoothly and effectively. This innovative solution has the potential to be used in future collaborations with private sector companies and solves a long-standing challenge in the field of AI by providing a common framework that makes it easier to combine different AI systems and services to achieve a common goal.

The STAR.OS™ solution seamlessly integrates Systems, Tactical applications, Autonomy/AI, and Rapid deployment, providing a unified framework for AI deployments that support national security. The platform consists of three main components: a toolkit for developers (STAR.SDK™), a system that connects different AI systems (STAR.IO™), and a user-friendly interface that provides a clear view of how AI is being used in real-time (STAR.UI™).

“With the STAR.OS™ solution, we're taking a major step forward in our ability to bring together different AI systems and make them work together seamlessly,” said Mike Baylor, Lockheed Martin vice president and chief digital AI officer. “This will help us provide more effective and efficient solutions to our customers and ultimately help them make more informed decisions and stay ahead of emerging threats.”

STAR.OS is a key part of Lockheed Martin's efforts to integrate AI systems across different domains, making it easier to deploy AI capabilities and enhance mission effectiveness for the Department of War, U.S. government and beyond.

Key Components of STAR.OS™

The STAR.OS™ platform is made up of three product lines, each designed to address specific challenges in AI integration:

1. Service Development Kit (STAR.SDK™): A toolkit that helps developers create and deploy AI services quickly and efficiently, so they can focus on what they want to achieve rather than how to achieve it.
2. Interoperability (STAR.IO™): A system that connects different AI systems and allows them to work together, ensuring they can communicate and share information seamlessly.
3. User Interface (STAR.UI™): A user-friendly interface that lets engineers and operators see how AI is being used in real-time, and get insights into how it's performing, with the help of built-in AI assistants.

Making a Difference

Early instances of the STAR.OS™ solution are being used to support the Department of War and other government customers, with successful integrations in areas such as detecting threats at sea and missile warning. At a recent internal hackathon as part of [AI Fight Club™](#), the STAR.OS™ solution showcased its ability to integrate multiple AI services into a digital environment, demonstrating its potential to enhance mission effectiveness for the warfighter.

STAR.OS™ is now available to federal and private sector customers as a unified framework for combining different AI systems and services. For more information about Lockheed Martin's the STAR.OS™ solution, visit: <https://www.lockheedmartin.com/STAROS>

About Lockheed Martin

Lockheed Martin is a global defense technology company driving innovation and advancing scientific discovery. Our all-domain mission solutions and 21st Century Security® vision accelerate the delivery of transformative technologies to ensure those we serve always stay ahead of ready. More information at www.lockheedmartin.com.

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