A framework for achieving **data intelligence**

Collibra and Lockheed Martin are becoming more data-driven to support agencies' ability to do the same

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GLOBAL SECURITY IS a growing and rapidly accelerating challenge for government agencies. Highly adaptive adversaries confront the U.S. and its allies in every domain: air, sea, space, land and cyber. The aircraft, satellites, ships and ground vehicles that military forces operate collect an abundance of information, but processing and analyzing that amount of data can be daunting, especially given the multiple levels of security in which systems must operate.

The Defense Department is pursuing a new way of warfighting based on a concept called joint all-domain operations. By synchronizing major systems and crucial data, DOD provides a complete picture of the battlespace and empowers warfighters to quickly make decisions that drive action so they can disrupt and overwhelm adversaries in seconds versus minutes when seconds really matter.

There's a new asset helping DOD and its allies realize this vision of the future battlespace: data.

"New innovations are making data more readily available through cloud-based secure networks, more valuable through artificial intelligence and analytics, and more integrated through common data standards and multi-domain networks,"
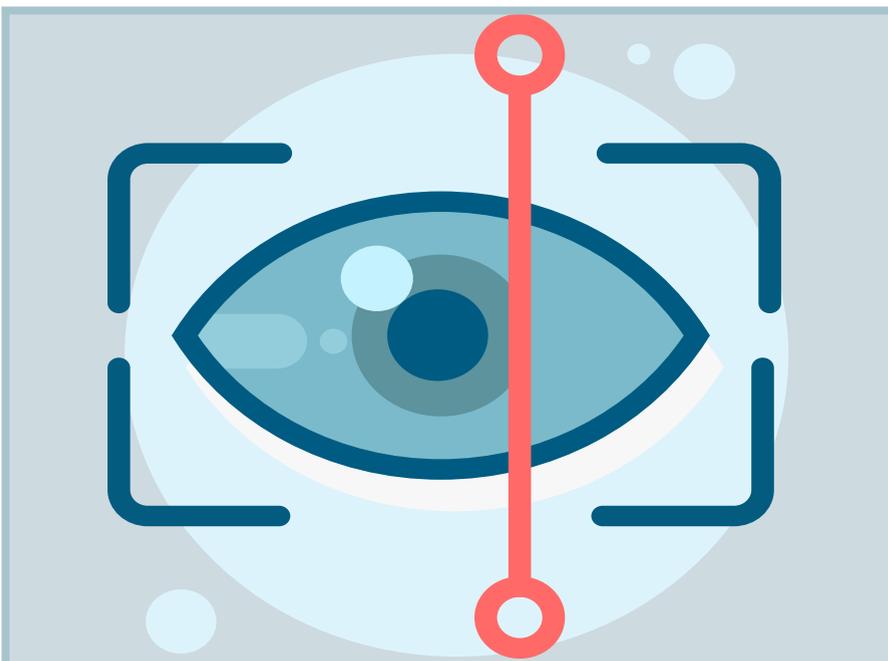said Mike Baylor, vice president and chief data and analytics officer at Lockheed Martin. "That's enabling data-driven operations and improving speed, agility, insights and mission value in every domain."

Building an integrated data marketplace

To take advantage of those advanced technologies, agencies are increasingly seeking to build a federated data environment — or data fabric — that allows them to discover, exchange and understand data across all domains, echelons and security levels.
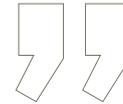
"Collibra helps both government agencies and companies of all sizes build an internal data marketplace that makes oceans of information — on everything from factory operations to the performance of individual parts and system components — more accessible," said Aileen Black, senior vice president of public sector at Collibra.

Lockheed Martin's data marketplace, which integrates Collibra's Data Catalog, turns data into a strategic asset to improve the performance of manufacturing operations, speed up design and prototyping, and make supply chain operations more efficient, agile and secure. Data commonality, standards and interoperability among datasets and systems fuel collaboration across the company.

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The crucial role of data governance

But simply stockpiling data isn't enough; organizations must implement a robust and trusted data governance platform for enabling rapid access to high-quality data.

"Collibra's Data Intelligence Cloud with governance and privacy by design functions as a framework that guides users through the process of identifying priorities, developing a plan to use data to address those priorities and executing that plan,"

Black said. "It enables teams to establish a common understanding around data to facilitate collaboration and innovation across the organization. In addition, they can use templates and customizations on a flexible operating model to design a data environment that evolves in alignment with their particular needs."

"Lockheed Martin has been on a multi-year journey to achieve enterprisewide data intelligence through active data governance, an enterprise data catalog, wide-range connectivity, and collaborative

workflows and management," Baylor said. "Now we're applying that experience to help our customers adopt data-driven strategies and capabilities."

The challenges of the past year clearly demonstrated the importance of treating data as a strategic asset for driving innovation and efficiency. A data strategy that has a robust governance framework is essential for enabling government to meet its mission objectives and be resilient in response to evolving threats and challenges. ■