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The U.S. Navy's Data Use Innovation Starts with Data Security

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Abstract:
The need for data-driven decisions is becoming increasingly important to maintain battlefield superiority across land, air, and sea. Yet, enabling warfighters to quickly access data for decision making requires rethinking how data is managed, governed, and secured, so that only the right people can access the right data at the moment it's needed.

To successfully modernize data use and innovate with machine learning (ML) and artificial intelligence (AI) models, the Navy will need to rapidly move from a role-based access control (RBAC) model to attribute-based access control (ABAC).

In this talk, you will learn about:

- Why the Department of the Navy and the Department of Defense (DoD) are transitioning from a "need-to-know" to a "need-to-share" mandate for data
- How efficient data security can enable a range of use cases for the Navy, from battle management and maritime surface vessel tracking to sailor recruitment and retention
- The key differences between RBAC and ABAC, and how both government and commercial entities use the latter to accelerate decision making and overall data security.