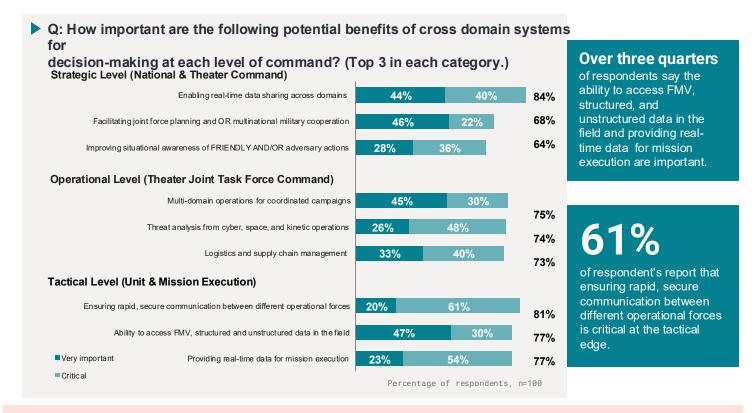


The Cross Domain Dilemma: Gaps, Risks, and Roadblocks in Defense Systems

Modern multi-domain operations require fast, adaptable, and secure information sharing across multiple security levels, environments, and commands. Cross domain solutions (CDSs) are essential to enabling this capability—but current systems aren't keeping pace with mission demands. A survey of defense leaders reveal a clear picture: fragmented data flows, system incompatibilities, and rigid architectures are limiting mission effectiveness. As contested environments intensify and resources tighten, defense leaders are calling for CDS capabilities that are secure, interoperable, and designed for real-time adaptability—at every echelon of command.

What matters most for cross domain decision making

A successful CDS must balance speed and security with real-time data sharing across domains and with coalition partners: lives depend on it. Respondents most often rate enabling real-time data sharing across domains, ensuring rapid communication between different operational forces, and the ability to access full-motion video (FMV), structured, and unstructured data in the field as critical/very important benefits of CDS.



The Owl Cyber Defense™ Insight

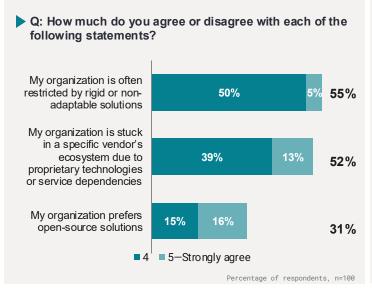
Advancing Mission Success Through Resilient Cross Domain Solutions

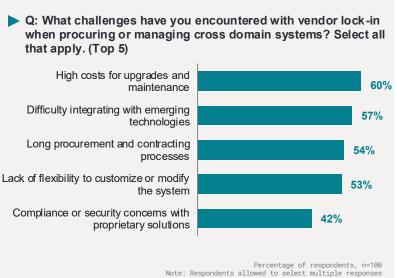
As multi-domain operations grow more complex and adversarial threats escalate, the ability to securely move mission-critical information across domains is not optional—it's foundational. This survey set out to understand how CDSs are being used across the U.S. armed forces, and where today's systems are falling short. The results are clear: rigid architectures, fragmented data flows, and integration hurdles hinder mission agility. In this environment, defense leaders need more than just compliance—they need CDS capabilities that are adaptable, interoperable, and purposebuilt for the speed and scale of modern missions. Owl Cyber Defense™ is committed to delivering the trusted, missionaligned technologies that meet these evolving demands—ensuring decision dominance at every level of command.



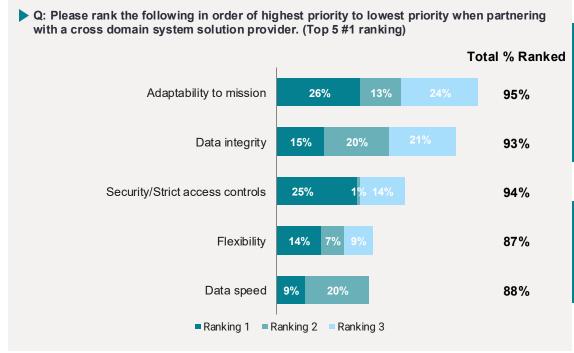
Finding the right solutions: fast, secure, and adaptable

Over half of respondents agree that rigid or non-adaptable solutions often restrict their organization, and/or that their organization is stuck in a specific vendor's ecosystem. **Vendor lock-in is a challenge:** 60% encounter challenges with high costs for upgrades and maintenance and well over half have experienced difficulties integrating with emerging technologies, long procurement and contracting processes, and a lack of flexibility to customize or modify systems.





Given the challenges with vendor lock-in, what are respondents really looking for in a partner? They believe everything is important. However, some features rank higher than others. Nearly all respondents rate adaptability to the mission, security/strict access controls, and data integrity as their top priorities in cross domain solution providers. Of those, adaptability to mission and security/strict access control are the number one priorities.





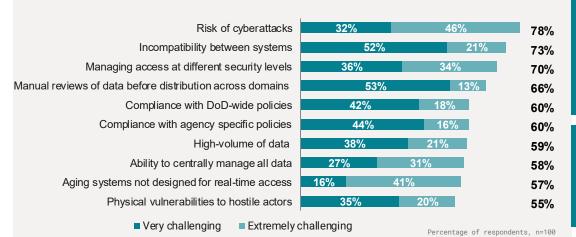




Challenges to overcome

When choosing whether to use CDS, respondents say their top challenges are risk of cyberattacks, incompatibility between systems, and managing access at different security levels. Cross domain solutions need to successfully address these challenges to ensure mission success.

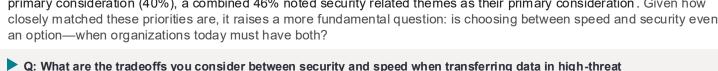
Q: How challenging are each of the following in utilizing cross domain solutions to ensure mission-critical decision-making happens at the right level of command? (Top 10)

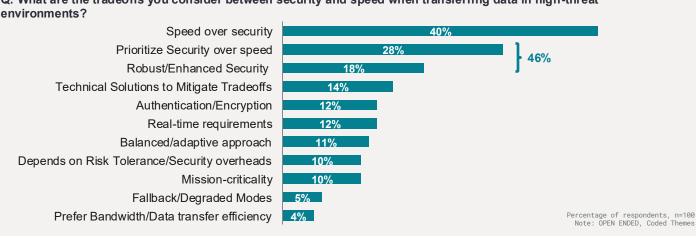


41% Of respondents are extremely challenged by aging systems not designed for real-time access.

Over a third of respondents are extremely challenged by managing access at different security levels.

Trading one important feature for another is always a challenge. While respondents say speed over security is their primary consideration (40%), a combined 46% noted security related themes as their primary consideration. Given how closely matched these priorities are, it raises a more fundamental question: is choosing between speed and security even





Methodology

GovExec Intelligence deployed a 6-question poll to a random sample of 100 Defense decision-makers, fielding in March and

About GovExec Intelligence

GovExec Intelligence delivers actionable data and insights for businesses serving the public sector. The market research firm is a sought-after authority on preferences, perceptions, and trends among Federal Civilian, Defense, and State and Local decision makers.

About Owl Cyber Defense™ Solutions, LLC

Owl Cyber Defense™ Solutions, LLC, headquartered in Columbia, MD, is a pure play cybersecurity company solely focused on purpose-built, made-in-the-USA data diode and cross domain solutions. Trusted to protect the most sensitive U.S. government and critical infrastructure networks, our technologies are developed secure, near-instantaneous collaboration across network boundaries—powering faster, safer, and smarter decisions for military, federal, and commercial critical infrastructure organizations. With a focus on scalability, interoperability, and regulatory compliance, Owl ensures resilient communication in the most highthreat environments. Rigorously tested. Globally trusted.