

The Path to U.S. Navy Digital Transformation

Supporting DON CIO Strategic Initiatives

READINESS, CAPABILITY, AND CAPACITY IN THE CYBER DOMAIN

The Information/Cyber domain has joined Land, Sea, Air, and Space as a critical dimension of U.S. Navy operations and strategy. To maintain U.S. Navy supremacy, the department must rapidly adopt best practices providing the agility, speed, and resilience necessary to support its mission and warfighters in digital theaters.

To this end, Department of Navy CIO, Aaron Weis, has issued an Information Superiority Vision encompassing strategic initiatives to ensure information dominance, cyber-resilience, and digital transformation throughout the DON.

MAPPING MISSION REQUIREMENTS TO TECHNOLOGIES AND PRACTICES

Meeting these objectives will depend on robust and resilient solutions from industry partners. BMC Helix solutions provide key enabling technologies and best practices for each initiative including:

BMC Technologies and Practices	Department of the Navy CIO Initiatives			
	Cybersecurity through Readiness	ITAM	DevSecOps	Data Mgt
Zero Trust Architecture/Framework	BMC check in orang for all BMC logo with check	X	X	X
AI/ops and SecOps	X	X	X	X
SaaS IT Service Management	X	X		X
Multi-Cloud Discovery and Dependency Mapping	X	X	X	
Edge Data and Device Management	X	X		X
Cloud Security	X		X	
Data Pipeline Orchestration	X			X

DON INFORMATION SUPERIORITY VISION INITIATIVES:

- Cybersecurity through Readiness:** Develop a new process for securing systems and platforms that is readiness-based, efficient, and agile.
- ITAM (IT Asset Management) Policy:** Establish department-wide configuration management, asset visibility, and lifecycle management practices across all IT assets and services to enhance buying power and auditability.
- DevSecOps Strategy:** Operationalize DevSecOps across the naval enterprise to increase the speed at which secure software is developed and deployed.
- Data Management Policy:** Update roles, responsibilities, and relationships needed to effectively manage DON data.

STRENGTHENING NAVAL INFORMATION/CYBER OPERATIONS WITH BMC HELIX

As leading provider of enterprise-grade solutions, BMC Software is currently engaged in numerous projects related to CIO DON strategic initiatives described above. A Zero Trust model helps DON meet strict requirements for information security and cyberdefense in all BMC-supported initiatives.

CENTRALIZED SERVICE DESK

IT help desks across the Navy are being consolidated and enriched with knowledge management (KM) automation, artificial intelligence (AI), machine learning (ML), and natural language processing (NLP) tools.

- **Outcomes:**

Simpler user experience
Improved IT efficiency
More effective use of data and knowledge
Faster resolution of user issues

- **Initiatives supported:**

Cybersecurity through Readiness
Data Management Policy

- **Enabling BMC technologies and practices:**

Zero Trust Architecture/Framework
AIOps and SecOps
SaaS IT Service Management

END-TO-END IT SERVICES

New services and management functions will address incident resolution, service acquisition and change validation, and user training for 650,000+ users at nearly 1,700 sites worldwide.

- **Outcomes:**

Faster incident resolution
Accelerated service development and deployment
Integration and orchestration of end-to-end services
Optimization of end-to-end network operations

- **Initiatives supported:**

Cybersecurity through Readiness
ITAM (IT Asset Management) Policy

- **Enabling BMC technologies and practices:**

Zero Trust Architecture/Framework
AIOps and SecOps
SaaS IT Service Management
Multi-Cloud Discovery and Dependency
Mapping Edge Data and Device Management

PAY AND PERSONNEL SYSTEMS

USN/USNR sailors will gain 24-hour access, both ashore and afloat, to Electronic Service Record (ESR), training data, and career counseling records. Data workflow orchestration encompasses systems across DON and 70 DON partners.

- **Outcomes:**

Streamlined leave and accounting processes
Self-service access for sailors and commanding officers
More accurate & efficient record-keeping

- **Initiatives supported:**

Cybersecurity through Readiness
Data Management Policy

- **Enabling BMC technologies and practices:**

Zero Trust Architecture/Framework
SaaS IT Service Management
Data Pipeline Orchestration

DATA ANALYTICS

Workflow orchestration tools are automating the inbound flow of data sets from across the Navy and the ELT processes required to unlock their insights.

- **Outcomes:**

Faster, more accurate data analytics processes
Improved data access for informed decision-making
More efficient and effective business operations

- **Initiatives supported:**

Data Management Policy

- **Enabling BMC technologies and practices:**

Zero Trust Architecture/Framework
Data Pipeline Orchestration



FOR MORE INFORMATION

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About BMC

BMC works with 86% of the Forbes Global 50 and customers and partners around the world to create their future. With our history of innovation, industry-leading automation, operations, and service management solutions, combined with unmatched flexibility, we help organizations free up time and space to become an Autonomous Digital Enterprise that conquers the opportunities ahead.

BMC—Run and Reinvent

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