NSWCDD | IT

Information Technology (IT)

GOAL
Advance NSWCDD's information technology ecosystems to securely support the dynamic evolution of weapons systems development. Enhance resilience, scalability, and adaptability to expedite the delivery of capabilities to the fleet, driving innovation and maintaining strategic advantage.

Background
Advanced digital engineering and the dynamic evolution of weapons systems development requires a secure, resilient, rapidly scalable, and adaptable information technology eco-system that enables expedited delivery of capability to the fleet.

Objectives

Defend NSWCDD Information Technology Systems, data, and networks.
New vulnerability remediation management tools will be deployed accompanied by a command-wide patch plan designed to improve end-point health. A cyber awareness campaign will be launched educating and empowering end-users with the knowledge needed to serve as "first line defenders" of federal data. Comply-To-Connect (C2C) technology will be implemented to prevent unhealthy equipment from connecting to RDTE networks. A timeline will be established for implementation of a zero trust architecture across the enterprise.

Provide diverse connectivity options with integrated resiliency and redundancy.
Network bandwidth will be provided "on-demand" ensuring capacity is available when and where it is needed. We will replace antiquated network cabling and infrastructure with technology capable of supporting high- performance computing requirements. Network connectivity options will be expanded to include WIFI as a standard as opposed to an "option" and increased resiliency will be delivered to facilitate data access/transport via the installation of redundant connectivity paths for RDTE, NMCI, and cloud-based services.

Deliver mission-centric end-point devices.
A multi-year command-wide RDTE PC refresh plan will be established and an additional 3,500 NMCI PC's will be refreshed to deliver a healthy, dependable, and effective PC to every end-user on the RDTE & NMCI networks. Existing telephone service will be replaced with Microsoft Teams outward/inward dial voice services delivering added mobility to the workforce. The use of Nautilus Virtual Desk-top (NVD) will expand enabling end-users to view their M365 desktop and one-drive files from a personal Apple (IOS) device and/or any personal PC equipped with a windows operating system.

Deliver elastic computing power and data storage options.
The existing hybrid cloud infrastructure will expand to include integrated hyper-scalable commercial cloud capability that delivers on-demand data storage and computing power. A "cloud smart" approach will be applied to all new requests for IT systems and services.

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