

About Customer

With its country, troops, and international allies facing the threat of attacks from land, sea, and space, this government agency runs in-depth data analyses and telemetry studies to plan for every “what if” scenario possible.

Geo

North America

Industry

Government

Solution Area

Accelerate Core Applications
Activate Real-time Analytics
Power Artificial Intelligence

Pure Storage®

Products in Use

FlashArray//C™
FlashBlade®
Evergreen//Forever™

Defense Simulations That Cover Every Angle

Defending a country against attacks from multiple fronts requires split-second decision-making based on accurate and up-to-date mission data. Military branches run complex models and simulations to help craft and implement these defense strategies, and they cannot afford any downtime or uncertainty in their IT operations.

By replacing its spinning disk storage with Pure FlashArray, this agency created a high-performance compute environment. Military branches can now run time-sensitive data simulations to help them better protect their country and allies while simplifying and reducing the cost of IT operations.

The combination of performance, reliability, and guaranteed uptime made Pure a clear choice for the agency, which will increasingly lean on its FlashArray block storage to support decision-makers across the military.

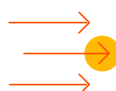
Ready for “What If” Scenarios

Working closely with combatant commands across the military, this agency develops, tests, and fields an integrated defense system that protects its country, troops, and global allies from attacks.

Expected Impact



Use advanced analytics to strengthen global defenses

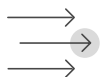


Move swiftly and decisively to defend the country from constant threats



Improve collaboration and joint military strategies with global allies

Challenges



Military teams needed to process data more quickly



Outdated spinning disk arrays caused storage downtime



Storage admin tasks took time away from defense priorities

Results



100% availability of sensor and telemetry data to fuel analyses



Reduce total cost of ownership by simplifying storage management



Cut datacenter footprint 5-fold, improving both scale and sustainability

These simulations help with contingency planning, such as determining the best interception points to minimize casualties or damage to critical infrastructure. Its tests are underpinned by complex data analyses and inform global security strategies in multiple time zones.

Pure delivers the storage processing power the agency needs to refine its defense strategies with confidence and at scale, while delivering 100 percent availability.

Simplicity, Sustainability, and Cost-Savings

Using Pure FlashArray//C, the agency can analyze enormous volumes of sensor and telemetry data to power its defense simulations. Scalable storage will also help it grow its role as it takes on new IT workloads while streamlining storage admin times, enabling military personnel to focus on their operational and mission priorities.

Moving from spinning disk to flash storage has cut the agency's data center footprint five-fold, reducing energy use, emissions, and data management costs. Pure Evergreen//Forever delivers non-disruptive and cost-effective modular storage upgrades—a major selling point for a team with zero wiggle-room for downtime, IT performance issues, or unplanned budget requests.

Powerful Storage That Never Sleeps

The combination of performance, reliability, and guaranteed uptime made Pure a clear choice for the agency, which will increasingly lean on its FlashArray block storage to support decision-makers across the military.

The total cost of ownership for its data environment has already improved beyond expectations. Evergreen//Forever reduces costs associated with controller upgrades. The agency continues to uncover new efficiencies each day, reinforcing the business case for all-flash arrays over spinning disks. For instance, one team uses Pure FlashBlade for high throughput, high-concurrency, unstructured data analytics workloads, leveraging artificial intelligence (AI) across a range of military use cases.

From short-term scenario planning to multi-week simulations, the agency's uncompromising approach to defense testing will help it to protect its country, people, and interests from every angle.

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