



WHITEPAPER

Modernizing and Securing Facilities with Cross Domain Solutions

EVERFOX

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Introduction

Today's government and military building projects are complex, high-stakes, and under budget pressures from day one.

Whether it's a complex military construction project or a retrofit and refurbishment of a legacy facility, you must balance modern physical and cybersecurity, reliability, usability, and connectivity needs with ever-present cost pressures.

All of these pressures are changing the way facilities are designed, built, and renovated, with IT systems becoming as integral to a facility's design as plumbing or electrical systems.

Innovative Cross-Domain Solutions

The Everfox suite of secure, operationally proven, NSA-approved Cross Domain Solutions products enable an innovative approach to IT for government facilities.

Cross Domain Solutions Deliver:

- Increased Efficiencies
- Monetary savings
- IT modernization
- Enhanced Security

Time to Drive Down the Cost

Everfox CDS access products replace costly, crowded desks cluttered with multiple PC's, monitors, keyboards and mice by bringing everything into a single pane of glass.

Everfox CDS-transfer products eliminate duplicative, redundant IT systems across security boundaries, moving data efficiently and securely between security levels.

This infrastructure reduction offers multiple benefits beyond IT costs savings. It reduces long-term operational and maintenance expenses while providing a more streamlined and efficient IT environment, ultimately leading to a more effective workforce. Additionally, it yields significant savings in areas such as HVAC, Cabling, and wiring costs, as well as workspace requirements.

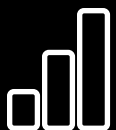
Unlocking Innovation in Cross Domain Security: The Economic Benefits of Everfox's Solutions

Everfox Cross Domain Security (CDS) solutions have been shown to bring significant economic benefits to organizations, with a risk-adjusted ROI of 268% and a payback period of less than 6 months. The total economic impact framework constructed by Forrester reveals that Everfox Cross Domain solutions can enable secure, real-time data-sharing across multiple domains, reducing hardware software and infrastructure needs. Everfox Cross Domain Solutions also streamline network administrator security tasks and enhance network visibility, resulting in cost savings and increased efficiency.

\$6.1 Million
Efficiencies Gained

\$1.4 Million
Hardware Replacement Costs

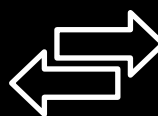
\$7.49 Million
3 Year Benefits



\$5.45 Million
Net Present Value



Payback in
<6 Months



268%
Return on Investment

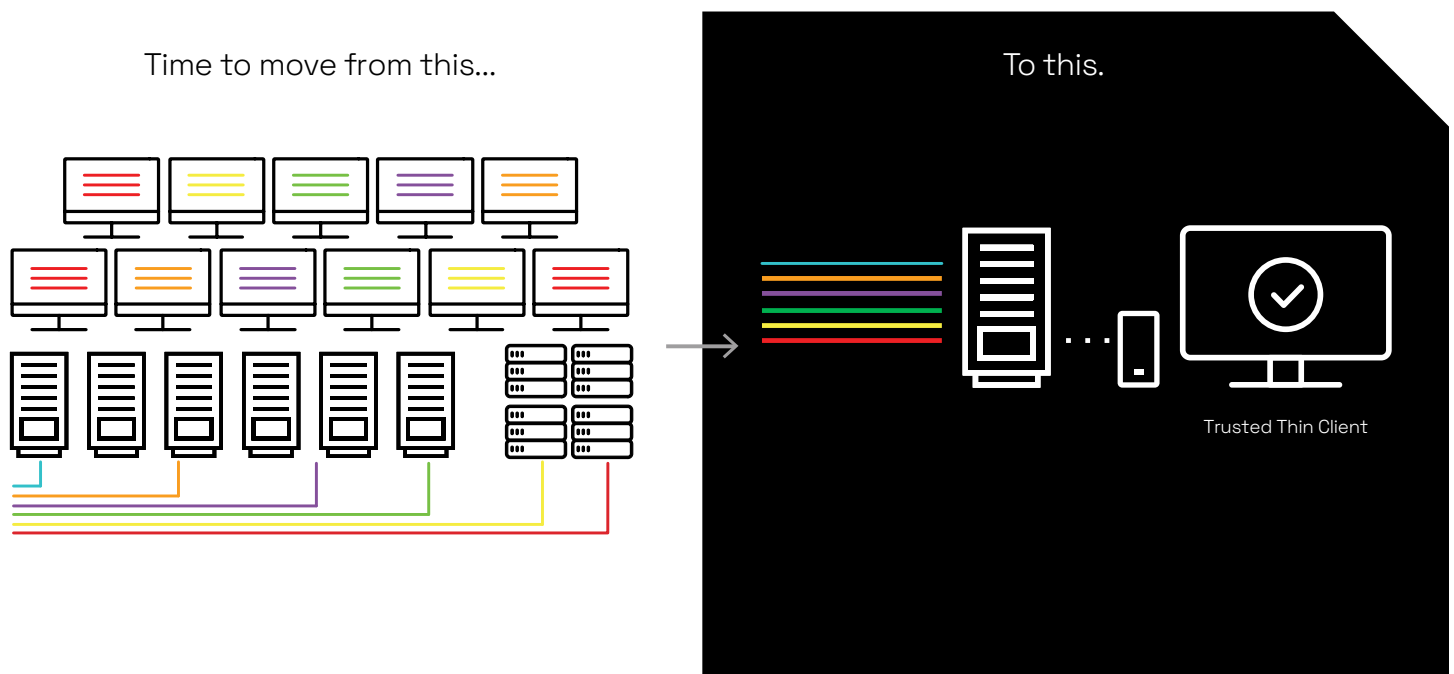
*THE TOTAL ECONOMIC IMPACT™ OF [EVERFOX] CROSS DOMAIN SECURITY SOLUTIONS. * Everfox was formerly known as Forcepoint Federal.

The Power of Modern Cross Domain Solutions

Cross Domain Solutions securely enable access to multiple enclaves, domains, and clouds, along with seamless data transfer, allowing U.S. and partner nations to securely share data and stand up and decommission secure zones to quickly provide unified coalition capability across all mission partners—wherever they are and at multiple levels of security and classification.

Mission effectiveness is achieved through on-demand access to critical information and increased security. Cost savings are realized through a less complex environment and the elimination of equipment such as Protective Distribution Systems (PDS), KVM switches, and TACLANE devices.

All of these factors contribute to reducing the cost of maintaining separate network infrastructures and outdated physical security measures—making new buildings less costly and the ability to continue working in current structures more feasible.



Architecture and IT Partners for Real-World Mission Success

Everfox products have a proven operational track record across the U.S. government, with hundreds of Everfox CDS products in use across the DoD, IC, and civilian government today. Continually delivering on the promise of improved operations and security, while driving down operational costs.

Everfox Trusted Thin Client and High Speed Guard are among the widest deployed CDS within the DoD, IC, and Civilian Federal Government.

A Prominent Military Command Center has seen significant benefits from using Everfox Cross Domain Solutions

A Leading Military Command Center, leveraging cutting-edge innovations, was designed to seamlessly adapt to emerging requirements. As a pioneering facility, it demanded advanced solutions to meet its growing demands for evolution and integration. To achieve this, the command center rigorously tested and selected Everfox Trusted Thin Client, for its capabilities in delivering seamless multi-domain access. By adopting Everfox's solution, the command center was able to securely enable access to multiple enclaves, domains, and clouds while facilitating seamless data transfer across various levels of security and classification. Everfox Trusted Thin Client supported their efforts while meeting the most stringent security requirements—exceeding Authorization and Accreditation (A&A), NIST guidelines, Raise-the-Bar requirements, and common criteria guidelines. Everfox's solution helped to ensure mission partners and allies were “getting the right information to the right people at the right time.”

A Leading Intelligence Unit within the U.S. Department of Defense has seen significant benefits from using Everfox Cross Domain Solutions

An intelligence unit within the U.S. Department of Defense was consolidating elements spread across multiple posts and joining key affiliated organizations to improve communication, training, talent sharing, and threat assessment. The foundational piece of this effort was the unit's new physical home—a headquarters command complex built with CDS technology in mind. The complex was designed to support collaboration between cyber operators, highlighted by the streamlining of historically compartmented classified networks through the use of Cross Domain Solutions that were included early in the design process. The inclusion of Everfox Cross Domain access, transfer, and printing technology (Trusted Thin Client, Trusted Gateway System, and Trusted Print Delivery) for thousands of users and across up to 10 networks yielded substantial savings and benefits.

Everfox Cross Domain Solutions

Everfox offers a portfolio of Cross Domain solutions which are recognized by the U.S. National Cross Domain Strategy Management Office (NCDSMO) at Top Secret/SCI and Below Interoperability (TSABI), Secret and Below Interoperability (SABI) levels, and meet NSA's Raise-the-Bar (RTB) guidelines.



Trusted Thin Client (TTC)

Delivers secure, simultaneous access to information on any number of networks from a single endpoint. Designed to match the flexibility needed to support deployments that encompass your full enterprise, including garrison, in-theater, at the edge, and in the cloud. Everfox Trusted Thin Client provides administrators with centralized management and monitoring, and scalability to easily add networks and clients.

Distribution Console Spanning functionality reduces network complexity. A single endpoint across the wide-area network (WAN) or low bandwidth networks (tactical/satellite) can span to other Distribution Console servers in different enclaves via one network drop, eliminating the need to pull network cabling.

Uses cases include:

- Centralized administration
- Centralized policy enforcement
- VDI-agnostic
- Hyper-converged agnostic
- Multi-CAC/authentication
- Over \$4 million in cost savings*

*THE TOTAL ECONOMIC IMPACT™ OF FORCEPOINT CROSS DOMAIN SECURITY SOLUTIONS

Trusted Thin Client Remote (TTC-R)

Extends the proven Cross Domain technology of Trusted Thin Client to wireless endpoints or black network infrastructures using a certified Commercial Solutions for Classified (CSfC) infrastructure. Allows trusted Cross Domain access to critical mission resources over any untrusted network, eliminating the need to be in a secure facility.

Allows forward/tactical deployment use of Trusted Thin Client without standing up secure network infrastructure.

Uses cases include:

- Emergency responders (post-natural disasters, anti-terrorism operations)
- Remote clandestine operations
- Continuity of Operations Planning (COOP)

Adds CSfC components to Trusted Thin Client to address data at rest/data in transit concerns.

Everfox TTC-R provides:

- NSA CSfC-approved dual Suite B VPNs for access
- Supports both hardware- and software-level disk encryption
- Performs tamper-resistant hardware attestation of measured boot environment and disk integrity

"End users can access various networks through a single, monitored client or workstation. Not only is the system more efficient for users, but we can maintain our highest level of security"

- System Engineer, Department of Defense

Everfox Cross Domain Solutions (cont.)

Trusted Gateway System, Print and Mail

Enables the secure transfer of unstructured file types between networks with exceptional built-in manual review and automatic validations, such as virus scanning, file type verification, dirty word search, and deep content inspection, enabling safe and simultaneous data movement between networks at different sensitivity levels.

Use cases include:

- Specializes in the quick and secure transfer of unstructured files, such as images, Microsoft Office, and PDF files; and structured XML inspection
- Eliminates sensitive file-sharing inefficiencies during missioncritical activities, such as “Sneakernet”

When paired with the adaptors in Trusted Print Delivery and Trusted Mail System, Trusted Gateway System provides the secure transfer mechanism to support Cross Domain printing and a single inbox for multilevel email. Both solutions serve to further reduce hardware and administration/maintenance

High Speed Guard and High-Speed Guard Special Purpose (SP)

Enables the secure transfer of structured, machine-to-machine data with user-defined data transfer policies and line-speed throughput.

Everfox High Speed Guard and High Speed Guard SP for special purpose implementations support both large enterprise environments and austere environments requiring specific size, weight, power, and cost (SWAP-C) considerations with comparatively low administration overhead.

Everfox High Speed Guard has demonstrated the fastest bi-directional transfer rates of any guard technology.



Raise the Bar

Everfox is a leading OOTS developer with access and transfer solutions recognized by the NCDSMO. Everfox Trusted Thin Client and High Speed Guard are among the widest deployed access solutions within the DOD, IC, and Civilian Federal Government.



About Everfox

Everfox, formerly Forcepoint Federal, has been a trailblazer in defense-grade cybersecurity for more than two decades. Leading the way in delivering innovative, high-assurance solutions. But we're just getting started.

Learn More:

www.everfox.com

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