

BROCADE AND FEDERAL VDI

FEDERAL

VDI: Simplifying Federal Computing

HIGHLIGHTS

- Protects sensitive agency information
- Enables agency employees to access multiple levels of information at the same workstation
- Reduces complexity and management time

Each government agency has a unique mission, and agencies increasingly rely on IT to achieve that mission. But making technology tools simple for IT users often results in enormous cost and complexity for IT departments. What's more, the technology tools can vary widely within an agency, leaving CIOs to wrestle with a large number of devices using a large number of different applications.

Compounding this challenge is the different levels of information access inherent to the Federal government. One employee could have access to unsecured, sensitive, and classified information—and need to access all three on a regular basis. With traditional computing, that employee would need three separate machines at their workstation—three operating systems to patch, three potential points of failure, and three times the operating cost.

Enter Virtual Desktop Infrastructure (VDI). VDI takes the applications and data from a government employee's computer and safely returns it to the data center, projecting an image of the requested information to the user's devices. This increases security because no data resides

on any device. Even if a laptop is lost or stolen, a government employee won't lose any information. In addition, housing the computer in the data center also allows network managers to seamlessly add capacity to a VDI session that's getting close to capacity. Finally, VDI allows government users that require access to multiple levels of information to launch separate VDI sessions on the same terminal—driving down operating costs and reducing the management workload.

Brocade® networking solutions support VDI by helping agencies implement a flexible, reliable, and high-performance infrastructure that helps them achieve their mission objectives.

BROCADE SOLUTIONS FOR VDI

- Ethernet fabrics based on Brocade VCS® Fabric technology provide flat, high-performance networks that can scale horizontally and seamlessly on demand.
- Brocade VDX® switches include distributed intelligence to simplify network configuration and reduce management time as the virtualized environment grows.

- Brocade Gen 5 Fibre Channel (16 Gbps) SAN solutions—including the Brocade DCX® 8510 Backbone, Brocade 6510 Switch, and Brocade 1860 Fabric Adapter—provide a powerful foundation for mission-critical storage infrastructures that support VDI.
- Brocade sFlow capabilities monitor network traffic and can define a baseline of positive performance in VDI environments:
 - ASIC-based for fast, low-overhead monitoring.
 - Reduced need to use port mirroring and to provision probes throughout the network (reducing cost and complexity while maintaining high performance).
 - Broad range of supported protocols (IPv4, IPv6, MPLS, IPX, Appletalk, and more).

BROCADE: SUPPORTING GOVERNMENT INNOVATION

Brocade understands the unique IT challenges of the Federal government. That's why we are committed to making our technology:

- **Easy:** You need to focus on meeting missions. Brocade networking solutions are easy to implement and manage—because agencies should spend less time managing their IT infrastructure and more time accomplishing their mission.
- **Open:** Trying to make a square peg fit in a round hole just takes too much time. Brocade solutions are based on open industry standards and interoperability, providing compatibility with other leading vendors represented in an agency's IT infrastructure. We are also committed to vigorously testing and certifying our products to ensure we comply with the needs and requirements of Federal agencies.
- **Innovative:** Doing the same thing over and over again and expecting different results will not solve the unique challenges

Federal agencies face. That's why Brocade leverages years of experience to deliver innovative networking solutions that specifically address modern IT requirements, such as fabrics that have been successfully deployed in the storage world for more than 15 years. We also develop future-proof technologies designed to leverage new and emerging technologies such as SDN.

- **Value-Oriented:** Budget constraints are a reality in Federal government and beyond. Brocade places a high priority on delivering great value for cost and a strong ROI.
- **Incremental:** While incremental updates aren't always an ideal solution, budget realities and refresh cycles often make incremental innovation easier on agency budgets than rip-and-replace solutions. Brocade solutions allow agencies to update their networks in small incremental steps as needed—reducing dependence on proprietary standards with every step.

To learn how Brocade can help your agency accomplish its most critical missions, visit www.brocade.com/federal.

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