

MODERNIZING FEDERAL INFORMATION TECHNOLOGY

Why IT Modernization Matters in the Federal Government

How Does VMware Help the Federal Government?

As the pioneer in virtualization and an innovator in cloud and mobility, VMware is a proven leader within the Federal Government. VMware solutions are run by all 15 Cabinet Departments; including all Department of Defense agencies, services, and joint commands; and throughout both the legislative and judicial branches. These solutions help the Federal Government streamline information technology (IT) management, reduce costs, and strengthen data security. As federal IT transitions from reactive, hardware-dependent silos to proactive, software-defined organizations that drive agility, efficiency, and innovation, VMware helps agencies implement new technologies to support evolving mission requirements without compromising security or operability.

VMware's software-defined approach to IT—coupled with deeply integrated partnerships across federal systems integrators and solution providers, including Dell, Microsoft, Apple, Amazon and IBM—accelerates federal IT modernization initiatives. The VMware Cross-Cloud Architecture™ integrates with government cloud providers such as Amazon Web Services and IBM Cloud, helping agencies manage workloads securely and flexibly across private and public clouds. This same architecture applies to our FedRAMP-compliant digital workspace solutions that enable personnel to access data and resources across devices and locations without compromising security or performance.

Our software-defined approach also extends to security, where our innovations in identity, data loss prevention, and compliance monitoring extend from inside the data center to the physical endpoint device, enabling an unmatched federal security posture. With the help of our extensive federal ecosystem of cloud, security, and technology partners, VMware helps agencies securely transition from rigid, hardware-laden IT infrastructure to flexible, digital computing environments that increase efficiency, reduce costs, and improve mission performance. VMware's end-to-end IT framework supports the entire federal environment—from fieldwork to the most critical defense systems—and helps agencies safely transition to modern, digital-first services that optimize long-term effectiveness, security, collaboration, and cost savings. Our virtualization, automation, management, and mobility solutions consistently earn us top marks among industry analysts. With our solutions, federal agencies can streamline IT management, strengthen data security, and transform operations in support of mission and business goals.

VMware and Security

VMware enables federal agencies to securely deploy digital infrastructure while maintaining vigorous cybersecurity standards across users and endpoints. Our software solutions extend security from the data center to the endpoint device, and include end-to-end protection of digital assets and data via identity-based conditional access, granular network, device, and application controls, and automated compliance monitoring and remediation. Through comprehensive visibility, management, and control of the entire computing ecosystem, federal agencies are better equipped to mitigate risk, prevent data loss, and keep pace with current and emerging threats.

ABOUT VMWARE SOLUTIONS FOR FEDERAL GOVERNMENT

VMware offers a pragmatic, value-added path to IT modernization that spans data center, cloud, mobility, and security. With VMware, government agencies can transform mission and business outcomes by harnessing the power of modern, secure, and resilient IT infrastructure.

WHY CHOOSE VMWARE

- Complete workspace environment management and control from the data center to the device
- Backed by the richest ecosystem in the industry, including strong partnerships with Microsoft, Apple, IBM, Amazon, federal systems integrators, and more
- Dedicated teams of federal leaders, engineers, and subject matter experts
- Compliance with federal authentication and security requirements
- Best-in-class security and support coupled with best-of-breed solutions and flexibility

WHY VMWARE IS A TRUSTED LEADER

- Infrastructure platform of choice for 100 percent of the Fortune 500
- Trusted partner for more than 500,000 enterprise and government customers
- Vast partner ecosystem with more than 75,000 solution partners

KEY BENEFITS

- Lower both IT capital and operational expenses
- Reduce federal IT complexity
- Ensure Continuity of Operations (COOP) with highly available, high performing compute resources
- Meet expanding demands for mobile access to information, empower field-based personnel, and ramp up telework forces
- Safeguard against mounting cyberattacks and system vulnerabilities and maintain compliance
- Enable system interoperability and shared services across departments and organizations
- Enable new methods of citizen service delivery and mission support

The Federal IT Landscape

The current federal agenda is clear: wherever possible, reduce costs, increase efficiencies, and streamline operations. Representing more than \$80 billion in annual spending, federal IT is critical to operations, yet the technologies underpinning federal workflows monopolize the budget, threaten data security, and challenge innovation. In today's reality of doing more with less, federal agencies must strategically update technology to meet business and mission goals, or risk compounding Operations and Maintenance (O&M) costs, threats to data security, and stagnated service delivery models. With IT spend per federal employee averaging more than \$39,000 USD—nearly four times the industry average—strategically updating aging IT assets where appropriate can help lower costs over the long term while dramatically boosting agency performance and outcomes.¹

Recent Federal Policies

In recent years, the Federal Government has taken a keen interest in modernizing IT infrastructure for the explicit purpose of saving money, reducing wasteful spending, and modernizing operations. The Federal Data Center Consolidation Initiative (FDCCI) introduced in 2010 required agencies to consolidate and decommission inefficient hardware to reduce the Federal Government's physical footprint and save on energy costs and capital expenses. Agencies reported \$2.8 billion USD in savings and cost avoidances from fiscal year 2010 through August 2016 due to this effort.² The 2010 Cloud-First Policy advises federal agencies to “default to cloud-based solutions whenever a secure, reliable, cost effective cloud option exists,” and the 2016 Data Center Optimization Initiative (DCOI)—superseding the FDCCI—recommends cloud services and automation tools to advance efforts and meet targets.

Why Modernizing Federal Technology Matters

Simply put, federal agencies rely on outdated information technology equipment and systems to support mission objectives, and the majority of federal IT spend is spread across aging, highly customized legacy systems and unused hardware—leaving little budget or resources for innovation. Without timely investments in modern IT infrastructure, maintenance and spending on aging infrastructure will soon prove unsustainable and data security will continue to be at risk. As demand grows for more efficient, effective, and accountable government services—against a computing environment consisting of mobile devices, cloud-based applications, and escalating cyber threats—agencies will need to invest in modern technologies that drive mission success, optimize agency performance, and safeguard data while also reducing costs over the long term.

For more information, visit www.vmware.com/solutions/industry/government/federal.

¹ IDC Government Insights, [Perspective: An Asset Management Enigma — U.S. Agencies Spend Four Times More on IT per Employee Versus Industry Average](#), September 2016.

² U.S. Government Accountability Office, [Data Center Optimization](#), GAO-17-388: Published: May 18, 2017.

