

# Transform the Federal Workplace

Secure, modern technology is the best way to achieve the flexibility users want and the productivity agencies need.



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## Introduction

**B**EFORE the Deputy Director leaves for work, he quickly reserves a workspace at the government's all-purpose building down the road. Once he arrives, he walks to his assigned cubicle, quickly and securely connects his mobile device to the wireless network, and begins working on his daily report. When it's time for a scheduled meeting with two other managers, he launches a secure collaboration application and shares the progress he has made with the other participants. The three annotate and share files back and forth until they have a polished report.

This scenario may seem futuristic, but it's happening more frequently across government and industry. Employees seek more flexibility and work/life balance, and organizations look to increase productivity and efficiencies. For both employees and employers, the goal is to be able to work anywhere, anytime, on any device.

That's true for all employees, but certainly highest among millennials. They expect the tools they use in their personal life to be just as fast and feature-rich in their work life. A recent CompTIA study, titled "Managing the Multigenerational Workforce<sup>1</sup>," found millennials expect workplace flexibility. Three-quarters of them say an organization's technology usage is a factor in their employment decision.

"The idea is that work is something you do, not someplace you go, as long as you have the technology to connect," says David Everard, Director, Federal Solution Provider Sales, at Intel.

Federal agencies increasingly are getting onboard with this concept. The General Services Administration (GSA) is leading the charge with its Total Workplace Initiative, which works with agencies to help them establish 21<sup>st</sup> century workplaces that reduce office space, modernize and mobilize technology, and foster collaboration and sustainability.

The GSA has proven the point within its own agency. It has consolidated six DC-area leases into one building, achieving a 2:1 worker-to-workspace ratio. In the process, it saved \$24 million in annual lease costs, more than \$7 million by sharing service costs, and 16 million kilowatts of energy annually, according to the GSA<sup>2</sup>. Study after study has proven that making changes that foster anytime, anywhere, any device work environments pays off.

## True Workplace Transformation

It takes more than the will and a vision to enable true workplace transformation. It takes modern, secure, collaborative, and flexible technology. Technologies that help foster workplace transformation include small form factor PCs and other mobile devices—tools that foster collaboration, sharing, secure remote access, wireless connectivity, and centralized device management solutions.

Replacing aging technology with newer, more secure, more mobile, and more flexible technology makes good business sense. Older systems can hamper employee productivity, incur additional repair and maintenance costs, and expose agencies to security threats. The latest data on federal IT expenditures show the vast majority of the federal IT budget today is spent on operating and maintaining older systems. That is budget money that would be better spent upgrading agencies' technology infrastructure with more functional, flexible, secure technology.

**Flexibility and productivity are critical in this new world of work. Employees want the ability to work efficiently no matter where they are, no matter what device they're using or when they want to work. And that is precisely what the technology can deliver.**

If employees can carry small form factor devices with fully functional PC

capabilities, for example, they are no longer tied down to a desk or a cabled connection. Whether it's a detachable and convertible 2 in 1 tablet, light notebook, mini PC, or compute stick, these small mobile devices let employees take their work with them. After wirelessly connecting to a small connectivity hub using the WiGig standard, users have access to all their peripherals including monitors, keyboard, mouse, printers, and more. They are free to securely create content and collaborate with others.

These next-generation small form factor PCs also provide much greater performance than older PCs. Mobile employees can run more tasks, incorporate more video and collaborate more effectively. Because they're small and light, they are fully mobile, so employees can take them wherever they are needed at any time.

**The performance advances of these devices are due in large part to 6th gen Intel® Core™ vPro™ Processors, which outperform their five-year-old counterparts by 183 percent.<sup>3</sup>**

This latest chipset also provides instant-on capability for the devices it powers. These devices can regain full functionality from sleep mode in less than a second.

The 6<sup>th</sup> gen vPro processor also includes Intel® Active Management Technology. IT staff can remotely access devices to fix, upgrade, or maintain those devices and then put them back on the network. With this type of flexibility, downtime is kept to a minimum, keeping productivity flowing as smoothly as possible.

## Enhanced Collaboration

While it might seem like the ability to collaborate could suffer in this type of transformed work environment, technology not only makes it possible to share information and work together on projects, but also be more productive. Instead of meeting in a large conference

room and using cable-connected display devices, for example, employees can now meet in smaller groups and use wireless collaboration tools to work together and make decisions quickly and effectively. Intel® Pro Wireless Display provides a fast and more secure way to connect laptops, PCs, and small form factor devices to projectors and displays and offers flexible control, sharing, and display options.

Smaller groups who need to work together and share information—even if some are in the same room and some in other locations—can use Intel® Unite™, software that runs on small form factor PCs. Participants can share their screens using their own displays or projectors, and view multiple screens at the same time and annotate files. Collaborative sessions are more secure, thanks to hardware-enhanced security of the Intel Core vPro processor and the unique rotating PIN design in the software.

While flexibility and productivity are the primary requirements of the “work

anywhere, anytime, with any device” structure, security is always the top priority. Intel’s latest processors and devices provide comprehensive protection for agency data and devices.

**“A key innovation priority for Intel is to offer hardware-enhanced security within our processor platforms.”**

—VICTORIA ZAGARIA,  
FEDERAL INDUSTRY MANAGER AT INTEL

The Intel 6<sup>th</sup> gen vPro Processor includes a broader scope of security advancements. The chipset uses hardware-based, multi-factor authentication that ensures user identity, as well as the newest generation of the Trusted Platform Module (TPM). Another example, Intel® Data Protection technology, helps safeguard data with Intel® Advanced Encryption Standard-New Instructions (Intel® AES-NI) where Intel processors work with the security features

available in the accompanying encryption software. “The chipset does this by applying cryptographic acceleration built in to the processor,” she says.

Intel also has worked diligently to map its hardware security capabilities to NIST specifications. In the event of devices being lost or stolen, Intel provides data protection within its Intel® SSD Pro Series Drives. These drives can also be repurposed as Remote Secure Erase lets IT staffers erase drives without having to physically remove them.

Overall, the goal is to provide all this capability and flexibility to meet the new work environment. “It’s all about a better end-user experience,” Zagaria says. “People want to run more tasks, bring in more video and collaborate more effectively, while taking advantage of these advanced security technologies.”

<sup>1</sup> <https://www.comptia.org/resources/managing-the-multigenerational-workforce>

<sup>2</sup> <http://www.gsa.gov/portal/content/178259>

<sup>3</sup> “Change your desktop, change your business,” Principled Technologies Report, 2015: [http://www.principledtechnologies.com/Intel/Desktop\\_upgrade\\_0315\\_v3.pdf](http://www.principledtechnologies.com/Intel/Desktop_upgrade_0315_v3.pdf)

## Look at Windows 10\*

With next-generation security features and a host of productivity and access management enhancements, it’s no surprise federal agencies are strongly considering an upgrade to Windows 10. The Defense Department is the first out of the gate. It has already started the migration and expects to have updated millions of computing devices by 2017.

Besides major enhancements like a digital assistant (called Cortana<sup>1</sup>) that responds to voice commands and facial and fingerprint recognition, Windows 10 introduces several new security features. These include:

- Windows Device Guard<sup>2</sup>, which blocks unauthorized software from being installed on a system.
- Credential Guard, which helps protect and manage credentials using virtualization-based security.

Combining these security features with those built into Intel’s 6<sup>th</sup> gen Core vPro processors results in extremely strong protection for agency devices. Besides the strong security benefits, Intel’s 6<sup>th</sup> gen vPro chipset helps optimize Windows 10’s productivity and access management features. Together, they provide a more efficient and more secure experience across the board.



## A Trusted Partnership

As a leading National Solutions Provider, GovConnection has been trusted for more than 30 years to connect people with technology that enhances growth, elevates productivity, and empowers innovation. We stand ready to deliver, install, and maintain technology nationwide by leveraging our internal professional services expertise and top-tier vendor partnerships.

## Intel—Looking Forward

Intel’s vision for transforming the workplace is rooted in experience and backed by industry-leading technology innovation that continually focuses on the future. By applying Intel’s principles of workplace transformation within your own organization, you can address the challenges of a changing workplace with the latest tools and technologies to gain a competitive edge.

Together with GovConnection, Intel will continue to explore and expand new ways of working within the evolving federal enterprises—from advanced collaboration, productivity, and integrated workspaces to the ongoing recognition that people are the ultimate source of innovation.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit <http://www.intel.com/performance>.

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