

Sun™ Virtual Desktop Solution

Consolidate resources and improve access for national, state and local government



Highlights

- Increase the security of the desktop environment and eliminate the threat of theft by removing sensitive data off of local devices
- Improve the efficiency of government employees by providing instant, flexible, and secure access to desktops and appropriate applications from any device or platform over the network
- Reduce costs by consolidating desktops and applications into the datacenter and creating a centrally managed environment
- Provide an emergency preparedness and business continuity solution for the desktop
- Set up new user users, work-groups, departments, or agencies in minutes
- Provide session mobility from device to device — enabling the next generation of e-government
- Access multiple desktops or applications running on diverse platforms from a single device



Government agencies and public servants are not in the IT business — they're in the business of ensuring public safety; delivering health, human, and social services; providing for public transportation; and securing national interests. These agencies and departments must operate with thin budgets, support business transparency, and effectively manage resources to support thousands of desktop environments. They can't afford to be the victim of a lost or stolen laptop with sensitive data and information stored locally.

Government employees also need immediate access to information that's relevant to their jobs to be efficient and productive. Their workspace needs to be always on and available in the event of a natural disaster, pandemic outbreak, or other event that prevents workers from being able to physically reach their offices and desktops.

In addition, government agencies need to accommodate the needs of surrounding communities, public users, and contractors who need to access appropriate information or complete desktops.

Government challenges:

- Fast, secure access to information and desktops
- Sensitive information being stored on local devices
- Limited staff and budget to support a large distributed desktop environment
- Unknown devices being used to access sensitive data and desktops over a network
- An emergency preparedness plan for the desktop environment in the event that employees need to work remotely

The Sun Solution

Sun™ Virtual Desktop Solutions address these national, state and local government challenges by providing a centralized virtual desktop environment that's secure, cost efficient, and resilient.

The Sun solution starts by consolidating and virtualizing complete desktop environments or individual applications and hosting them in the datacenter where they can be secured, managed, and maintained. Now a few data-center servers can be managed instead of thousands of desktop devices.

With Sun Virtual Desktop Solutions, desktops and applications can be provisioned to users who are assigned appropriate access rights based on individual or group criteria. Access to these desktops and applications is provided by Sun Ray™ technology, Sun Secure Global Desktop Software, or a combination of both. The ability to leverage the stability and flexibility of the Solaris™ 10 operating system can add an even greater level of security to control access to sensitive data.

As a stateless client that needs no configuring and is not susceptible to viruses, the Sun Ray virtual display client is an ideal choice for government workers to access their virtual desktop. Using smart cards, workers can move their virtual desktop from Sun Ray device to Sun Ray device on the network. And when the card is removed, no data nor applications are left on the device.

The addition of Sun Secure Global Desktop Software provides secure, browser-based access to the same virtual desktop session from a wide range of client devices, including

Windows PCs, Macs, other thin clients, even Windows PDAs. Sun Secure Global Desktop Software also provides access to legacy UNIX,® Linux, Windows, AS/400, or mainframe applications.

More and more, government agencies need to implement a remote workforce or emergency preparedness plan in the event that workers can't physically make it into the office and reach their desktop device. But VPN solutions can be costly to manage and maintain and rewriting applications for Web delivery is not only costly and time consuming, it can strip away familiar user interfaces, making applications difficult to use. The Sun Virtual Desktop Solution utilizes familiar interfaces for applications and desktops, so there's no need to retrain users, and logging on takes seconds and not minutes in an environment where time is critical to making informed decisions.

Security

Ironclad security is essential to keeping sensitive data private and safe. With Sun Ray software and Sun Secure Global Desktop Software installed on servers running the Solaris OS, the Sun Virtual Desktop Solution capitalizes on all that software's inherent features, including advanced security, scalability, and reliability. Plus, the three-tiered architecture provides an added layer of protection against malicious attacks to the datacenter. The solution employs leading dual-factor authentication mechanisms, such as RSA SecurID, and integrates with LDAP, directory services, Microsoft Windows Domains, and UNIX passwords.

Availability

The Sun Virtual Desktop Solution provides always-on mobile access for government professionals on the move, emergency first-responders, and others needing to reduce the time it takes to access critical data. The solution allows a worker

to stop using a desktop or application at any time on one device and resume the session later on a different one, without session interruption or loss of data. As an added benefit, mobile application access reduces manual data entry and associated human error that can affect data integrity, while providing government workers the ability to move about freely.

Cost savings

By centralizing application administration, the Sun Virtual Desktop Solution reduces the overhead associated with PC-based upgrades and refresh cycles. It accelerates the training of new staff and eliminates the retraining of existing employees. Because desktops and applications are Web based and accessible from a variety of devices, multiple workstations are no longer needed, reducing capital expenses, maintenance, and support costs. The Sun Ray client uses only 4 watts of electricity, reducing power requirements and making it an eco-friendly choice.

Sun Virtual Desktop Solution components

Sun Ray virtual display clients offer the ideal platform for displaying the virtualized desktop. A Sun Ray client contains no resident operating system or applications, which makes it virtually immune to viruses and service attacks. And because a Sun Ray client doesn't contain a disk drive or any means of persistent data storage, it is an unattractive target for theft. All data and applications displayed onscreen disappear the instant the client is turned off or the access card is removed.

Sun Secure Global Desktop Software provides secure, mobile access to virtualized desktops and applications from a variety of clients over any network. Cost-effective and reliable, even in

Learn More

To learn more about the Sun Virtual Desktop Solution, visit sun.com/datacenter/consolidation/virtualization/desktop.

To learn more about Sun in Government, go to sun.com/government.

To learn more about Sun Secure Global Desktop Software, go to sun.com/sgd.

complex business and technology environments, it delivers centralized management and flexible application access with industrial-strength security and encryption. Sun Secure Global Desktop Software enables immediate access to centralized Windows, UNIX, mainframe, and midrange applications from any device with a Java™ technology-enabled browser or native client.

Adopt the Sun Virtual Desktop Solution

With the Sun Virtual Desktop Solution, government workers gain secure, flexible, and rapid access to desktops and applications while retaining familiar interfaces and reducing costly and time-consuming retraining.

- Increase employee efficiency through instant, flexible access to desktops and applications — from any device or platform
- Consolidate the network infrastructure and create a centrally managed computing environment
- Provide secure delivery of sensitive data over any network
- Improve and maintain regulatory compliance
- Reduce deployment and maintenance costs through network-based desktop and application access