

Sun™ Virtual Desktop Solution

Caregiver Mobility featuring ThinIdentity™



Highlights

- Increase the workflow efficiency of healthcare professionals by providing instant, flexible access to desktops and applications from any device or platform
- Dynamically manage desktop functionality and content as caregiver “hot-desks” between Sun Ray terminals
- Reduce costs by consolidating desktops and applications into the datacenter and creating a centrally managed environment
- Provide secure delivery of sensitive data over the network
- Meet regulatory and compliance requirements through an access infrastructure that supports authentication, auditing, and reporting requirements
- Access multiple desktops or applications running on multiple platforms from single device



Hospitals are dynamic environments where staff and clinicians need fast access to healthcare information technology (HIT) applications and patient records, from a variety of locations. However, this data is sensitive and private, so the system and access to the information must be secure. Typically, a PC desktop is used to access HIT and patient record applications, but the traditional desktop model presents many challenges for the specialized healthcare environment.

Healthcare challenges

The challenges presented by this combination of needs and environment include:

- Secure and access to patient data in less than 10 seconds
- Dynamic session mobility between hospital wards, onsite and offsite doctors offices, and administration areas
- Secure availability of patient data on mobile devices
- Rising administration costs of the distributed desktop environment
- Access to legacy applications from diverse platforms
- Addressing compliance and regulatory requirements

The Sun solution

The Sun™ Virtual Desktop Solution addresses these challenges by providing caregiver information mobility with security. Now, enhanced with ThinIdentity, Sun's Virtual Desktop Solution for healthcare offers feature rich protocols.

The Sun solution starts with virtualizing complete desktop environments and installing them in the datacenter where they can be standardized, managed, and maintained. Now, a few servers can be managed instead of hundreds or thousands of desktop devices.

With the Sun Virtual Desktop Solution, IT staff can provision desktops and applications to end users who are assigned appropriate access rights based on individual or group criteria. Access is provided by Sun Ray™ software, Sun Secure Global Desktop Software, or a combination of both.

As a stateless client that needs no configuring, the Sun Ray Virtual Display Client is an ideal choice for healthcare. By utilizing smart cards, it helps ensure quick access to desktop sessions from any Sun Ray client on the network. The addition of Sun Secure Global Desktop Software provides secure, browser-based access to the same desktop session from a wide range of client devices, including Windows desktops, Apple Macs, other thin clients, and even Windows PDAs. Sun Secure Global Desktop Software also provides access to legacy UNIX®, Linux, Windows, AS/400, or mainframe applications.

Adding ThinIdentity to Sun's Virtual Desktop Infrastructure solutions means:

- Access to clinical workflow-enabled dynamic location awareness for systems
- HIT application integration support
- Seamless, enhanced system level integration with Microsoft technology — works simultaneously to support all major VM infrastructure on the back-end (Citrix, VMware, Terminal Services)
- Centralized configuration and management of Sun Ray servers and virtual desktop servers and sessions
- Dynamic desktop and content management
- Biometric scan and proximity security support
- USB support for medical devices used to monitor patient health

More and more, healthcare workers require mobile and remote access to information and applications. The Sun Virtual Desktop Solution utilizes familiar interfaces for applications and

desktops, and logons take just seconds in an environment where time is a critical component of care.

Regulatory compliance

Increasingly strict privacy and information access guidelines, such as HIPAA and other regional and national regulatory requirements, make tracking network usage and activity essential. The Sun Virtual Desktop Solution's extensive auditing and reporting features streamline compliance tasks and reduce the risk of noncompliance.

Security

Ironclad security is essential to keeping patient data private and safe. With Sun Ray Software and Sun Secure Global Desktop Software installed on servers running the Solaris™ Operating System, the Sun Virtual Desktop Solution capitalizes on all inherent features: security, scalability, and reliability. Furthermore, 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 and point-of-care access. The Solution's session mobility feature allows a user to stop using a desktop or application on one device and resume the session later on a different one, without session interruption or loss of data. Plus, mobile application access reduces error prone manual data entry, while providing caregivers the ability to move about freely.

Cost savings

By centralizing application administration, the Sun Virtual Desktop Solution reduces overhead. It accelerates training and eliminates the

retraining of existing employees. With Web-based desktops and applications, multiple workstations are no longer needed, reducing capital expenses, maintenance, and support costs. The Sun Ray client uses only four watts of electricity, making it an eco-friendly choice.

Sun Virtual Desktop Solution components

ThinIdentity augments industry standard Virtual Desktop Infrastructure from Sun with technology enhancements specifically for healthcare providers. The combined solution improves caregiver mobility through a healthcare workflow process. ThinIdentity even supports major EMR vendor applications. Eco-friendly and reduced energy costs, as well as Capex/Opex reduction, make it an easy solution to adopt. Plus, the choice remains yours with support for technologies including VMware, Citrix, and Microsoft.

To learn more about ThinIdentity, go to thinidentity.com

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 without a disk drive or any means of persistent data storage, it is an unattractive target for theft. All of the data and applications displayed onscreen disappear the instant the client is turned off or the access card is removed.

To learn more about Sun Ray technology, go to sun.com/sunray

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 complex environments, it delivers centralized management and flexible application access

Learn More

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

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.

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

Adopt the Sun Virtual Desktop Solution

With the Sun Virtual Desktop Solution, healthcare professionals 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