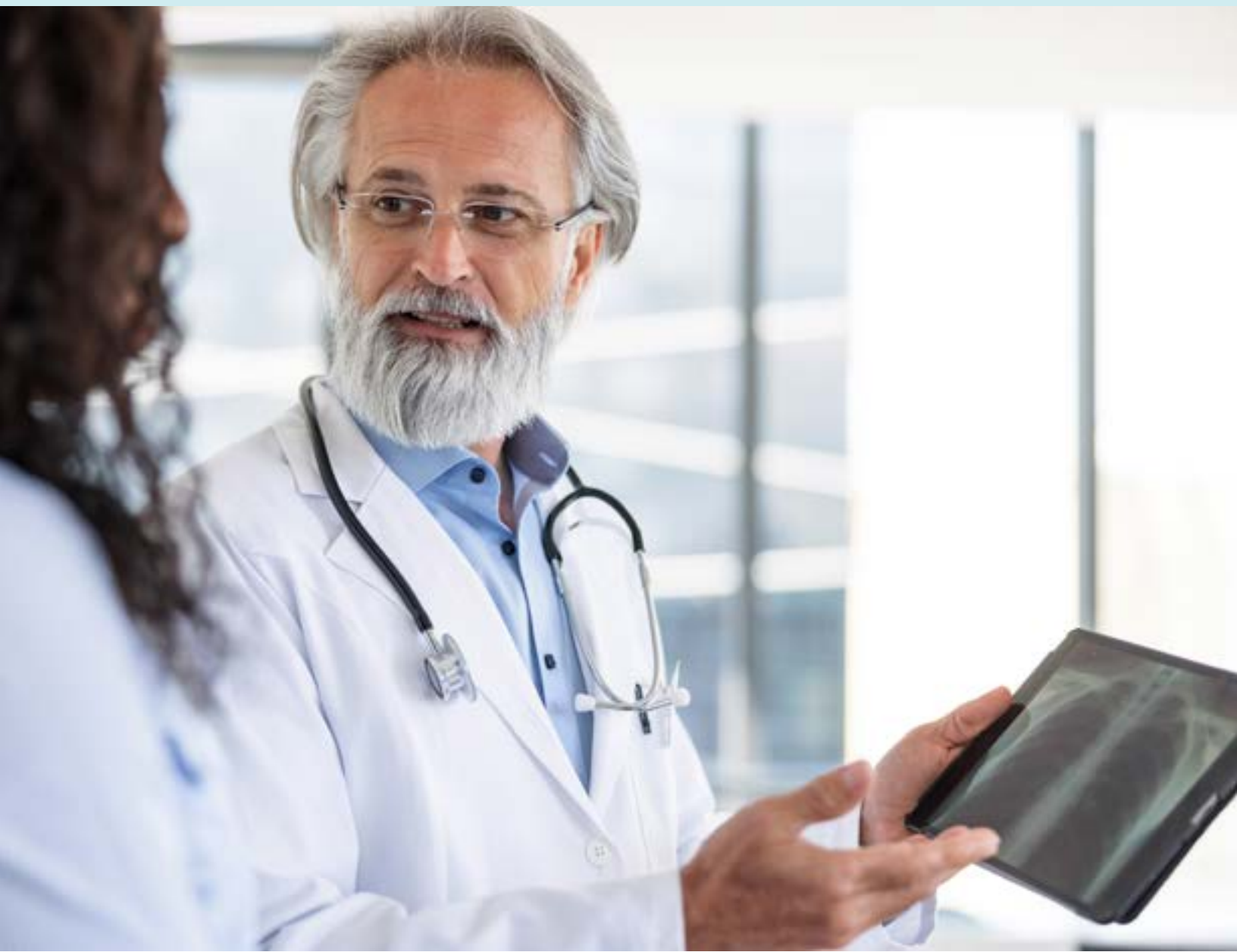


Optimize Clinical Workflows with Citrix and IGEL

Seamless, rapid, and secure access to clinical apps and patient information in distributed healthcare facilities



IGEL OS is the managed endpoint operating system for secure access to any digital workspace, purpose-built for enterprise access to virtual environments. It is ideal for clinical settings and fully tested and validated with Citrix Workspace and Citrix Cloud. IGEL OS can run on any compatible 64-bit x86 device, and it supports a vast array of remote display protocols and integrations with over 130 technology partners. The IGEL Universal Management Suite (UMS) unified management and control solution allows IT administrators to deploy and manage hundreds of thousands of IGEL OS-powered endpoints from a single console.

Citrix Workspace and IGEL OS

Instant access to healthcare data

Healthcare professionals need rapid access to medical records and clinical apps to facilitate positive patient outcomes and be more productive. Unfortunately, technology often gets in the way. Incompatible solutions and diverse endpoint devices can slow access and complicate management. Installing updates across endpoints in multiple hospitals, clinics, and clinical offices can likewise be daunting. Compliance with a growing list of electronic healthcare records (EHR) and protected healthcare information (PHI) regulations is essential.

To address these issues, the combination of IGEL OS and Citrix Workspace provides an integrated virtual desktop infrastructure (VDI) or desktop as a service (DaaS) solution that enables healthcare IT staff and healthcare workers to achieve more efficient, secure, and productive operations with a high degree of compliance. Clinicians can roam across devices, facilities, and networks, retaining seamless and secure access to the vital healthcare virtual apps and desktops that they need to do their jobs. The result can be an improved focus on the patient rather than the technology infrastructure.

Together, IGEL OS and Citrix workspace offer:

- **Simplified management** at scale across multiple devices, facilities, and networks, significantly simplifying administration for IT staff.
- **A streamlined and more immersive user experience** for physicians, clinicians, and other healthcare workers who need easy and rapid access to patient data and essential applications.
- **Compliance through control** since applications and data are centralized and diverse endpoint devices are unified across dispersed locations through IGEL OS and Citrix.
- **Better security** via the modular and read-only Linux-based IGEL OS, and through tools such as [Citrix Analytics for Security](#) for [Citrix Gateway](#), letting organizations implement a zero-trust architecture in one secure digital workspace solution.
- **Significant OPEX and CAPEX savings** and reduced hardware costs since IGEL OS can repurpose a wide array of industry-standard systems—both new and old—into a highly responsive, centrally managed endpoint, substantially reducing hardware costs.

Control and manage distributed workstations

Unifying an increasingly mobile healthcare workforce across widely distributed hospitals, clinics, and doctor's offices can be difficult. Healthcare IT professionals need to simplify access to critical virtual apps and desktops while minimizing their support matrix. The unified endpoint management and control solution provided by IGEL OS allows IT administrators to quickly deploy and easily manage hundreds of thousands of endpoints from a single console, offering dramatic simplification.

IGEL OS is purpose-built for enterprise access to virtual environments. It can run on any compatible industry-standard x86 64-bit device with a minimum of 2GB of RAM, bringing both new and older devices into a unified management framework. IGEL OS supports a vast array of remote display protocols and technology integrations, including “Day One” support of Citrix Workspace.

Enrich the user experience

Healthcare professionals need solutions that get them the information they need as simply and rapidly as possible. Having to navigate multiple systems with different login and access methods, potentially across multiple facilities, can dramatically slow access to vital clinical apps and patient information.

[Citrix and IGEL combined with integrated single sign-on \(SSO\) solutions](#) enable clinicians to simply “tap and go” to gain instant access to electronic medical records (EMR) on mobile workstations (Figure 1). The result is a more immersive and rewarding end-user experience for:

- Clinicians and workstations-on-wheels
- Physicians and urgent care staff
- Nurses in shared work areas
- Administrative and admissions staff
- Back-office operations personnel
- Remote and at-home staff

Reduced time to access the virtual experience can significantly influence productivity, allowing users to concentrate on more critical tasks. [IGEL's ecosystem](#)

[of integrated technology solutions](#) includes popular authentication, dictation, image viewing, signature capture, and workstation-on-wheels solutions.

Simplify integration of critical medical solutions

Healthcare IT administrators often struggle to integrate incompatible solutions to achieve their goals and support the needs of demanding healthcare environments. Integrated IGEL OS partner solutions address this problem directly, enabling rapid integration into existing healthcare environments and letting administrators rely on tested and proven end-to-end solutions for healthcare.

IGEL OS is validated for [Citrix Ready Endpoint Premium and Citrix Ready for Cloud](#). It is maintained in lockstep with the latest version of the Citrix Workspace App and Citrix DaaS. The Citrix Workspace App is likewise integrated into IGEL OS, and it is easily accessed from the local IGEL OS user interface. The user management system is easy to navigate. Administrators can simply drag-and-drop to connect to new Citrix workloads.

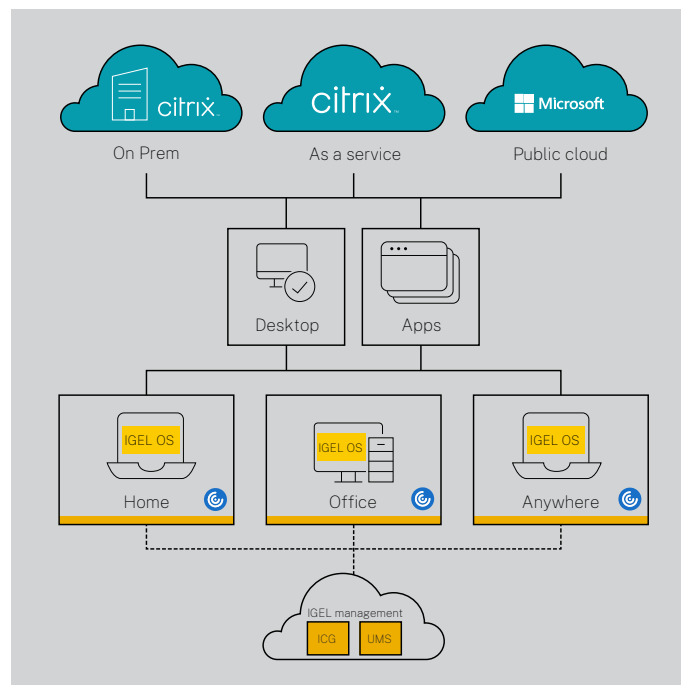


Figure 1. IGEL OS coupled with Citrix Workspace allows easy and fast access to applications and data anywhere in the clinical setting.

Compliance with regulations and standards

Compliance in healthcare is complex enough without worrying about the quirks of disparate endpoint devices in multiple locations. IGEL OS and Citrix Workspace dramatically simplify compliance by unifying disparate locations, facilities, and networks into a single virtual environment. IGEL OS running on any endpoint can be managed with the IGEL UMS and managed remotely via the IGEL Cloud Gateway. Citrix solutions include built-in tools for monitoring, logging and reporting for easy access to HIPAA and HITECH compliance data.

Gain performance and interactivity

Clinicians need responsive endpoint devices to view potentially complex patient data without delays or quality issues. IGEL OS supports offloading much of multimedia processing to the local operating system while running critical real-time communications components on the device.

IGEL OS supports Citrix HDX 3D Pro and Citrix Realtime Media Engine, enabling intelligent redirection, adaptive compression, and data de-duplication. These capabilities are implemented in different combinations as needed to simplify IT administration and optimize the user experience. Advanced H.264 accelerated graphics in Citrix environments using IGEL OS-powered endpoints enables a rich user experience for graphics-intensive applications and tasks.

Citrix Workspace and IGEL OS enable high-fidelity unified communications optimized for Microsoft Teams, Zoom, and WebEx.

Implement zero-trust security

Protecting private patient data is paramount, and security and system integrity are critical in clinical settings. Citrix provides end-to-end solutions for realizing a [zero-trust security architecture](#). The [Citrix Trust Center](#) provides the latest information on the Citrix approach to security, privacy, and compliance.

Secure the endpoint device with IGEL

Endpoint breaches and malware attacks at the network edge can put entire healthcare organizations at risk. IGEL helps safeguard against these attacks with integrated security capabilities within IGEL OS and the IGEL management console.

Moving Microsoft Windows from endpoints to the cloud provides additional security benefits by eliminating the need for time-consuming remote Windows patching. IGEL OS also presents a much smaller attack surface on the endpoint as a modular, read-only operating system. It also features a unique “chain of trust” architecture that validates every step of endpoint execution—from the endpoint device to the cloud—cryptographically.

Conclusion

[IGEL OS and Citrix Workspace](#) enable a secure and productive remote environment. With seamless access for clinicians and physicians, Citrix and IGEL can secure and greatly simplify the management of many disparate endpoint devices. With unified and centrally managed apps and desktops, healthcare workers can concentrate on their patients, not technology. Learn more about the Citrix-verified IGEL technologies at: <https://citrixready.citrix.com/igel-technology.html>



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