Flexible, Secure and Scalable VDI with Omnissa and IGEL

Summary

As the distributed workforce becomes the new standard, organizations need a flexible, secure, and scalable virtual desktop infrastructure (VDI) that enables IT admins to securely and efficiently provide employees with anywhere, anytime access to virtual desktops and apps, and ensure high-quality user experiences.

Omnissa Horizon is a truly modern platform that enables your organization to securely and efficiently deliver virtual desktops and apps from on-premises and cloud-based data centers to end users regardless of endpoint device and location. Built for simplicity and speed, it offers one-to-many provisioning and streamlined management of images, apps, profiles, and policies.

IGEL Secure Endpoint OS (aka IGEL OS) is a fully encrypted operating system with no local data storage. IGEL's Preventive Security Model^{TM} (PSM) eliminates endpoint vulnerabilities, and expensive breach investigations associated with ransomware, IT outages or lost or stolen devices.

The combination of Omnissa Horizon and IGEL Secure Endpoint OS delivers multiple benefits that streamline operations, enhance security, and boost productivity.
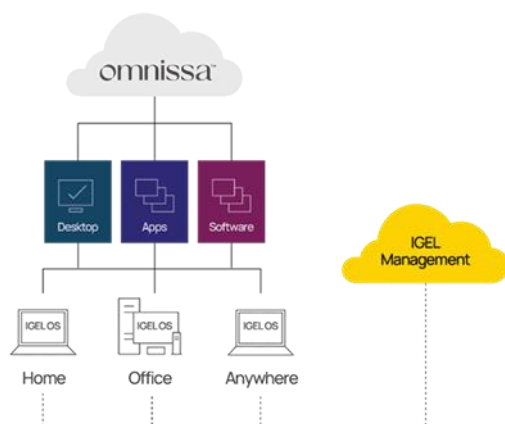
Combined Omnissa and IGEL Solution

IGEL integrates with Omnissa Horizon and Workspace ONE to simplify management of your virtualized desktop and application infrastructure and ensure the best possible user experience. These include:

- IGEL client for Horizon 8 supporting on premises and cloud hosted Horizon

- Workspace ONE Access integration for multi-factor authentication and SSO

- Support for Workspace ONE Intelligent Hub

Improved User Experience

Horizon® Blast protocol ensures high-quality user experiences under varying network conditions, including high latency or demanding graphical workloads, optimizing the delivery of virtual desktops and apps from any device. DEX for Horizon offers GPO load time tracking, improved infrastructure metrics, and RDSH app insights. The IGEL App Portal delivers IGEL OS native application for unified communication and collaboration, including Teams, Zoom, Webex, and Horizon enhanced unified communication performance features. IGEL OS delivers the best possible user experience by optimizing the workloads for IGEL-enabled devices.

Robust Built-in Security

Omnissa Dynamic Environment Manager offers centralized contextual real-time policy controls and user profile management. Unified Access Gateway protects user sessions and devices by using least-privilege capabilities to enable users to access only what they need to be productive. Horizon includes forensics, which improves the security of virtual desktops and sessions. IGEL Preventive Security Model^{TM} (PSM) eliminates many of the endpoint vulnerabilities bad actors seek to exploit in ransomware and cyber-attacks. A Trusted Application Platform delivers a secure boot and full chain of trust from the hardware to the application layer. IGEL's modular design minimizes the attack surface reducing the risk of malware and ransomware. Through the Preventative Security Model, IGEL can be a key element in the delivery of Zero Trust approaches to IT security.

Rapid Endpoint Recovery

In the event of a system outage or other catastrophic event, IGEL endpoints can connect to backup or failover systems in a matter of minutes. Should the endpoint become unusable, a user's personal or other device can be quickly repurposed using the IGEL UD pocket, a small USB device that boots the highly secure IGEL OS. Accessing devices running IGEL OS is further secured using two-factor authentication to connect to your organization's resources. The native device operating system is untouched and isolated from IGEL OS.

Partnership for Co-Innovation

IGEL and Omnissa have a long-running collaboration in developing integrated VDI solutions and supporting our joint customers. IGEL is part of the Omnissa Technology Alliance Partner Program.

Omnissa Horizon and Workspace ONE, in tandem with IGEL OS, provide a comprehensive solution to address the evolving demands of your organization. From simplifying management and enhancing security to boosting productivity and reducing costs, this powerful combination empowers you to build a robust, flexible, and future-ready digital workspace.

Omnissa Horizon Overview

Omnissa Horizon – The Industry-leading Platform for Secure Delivery of Desktops and Apps across the Hybrid Cloud
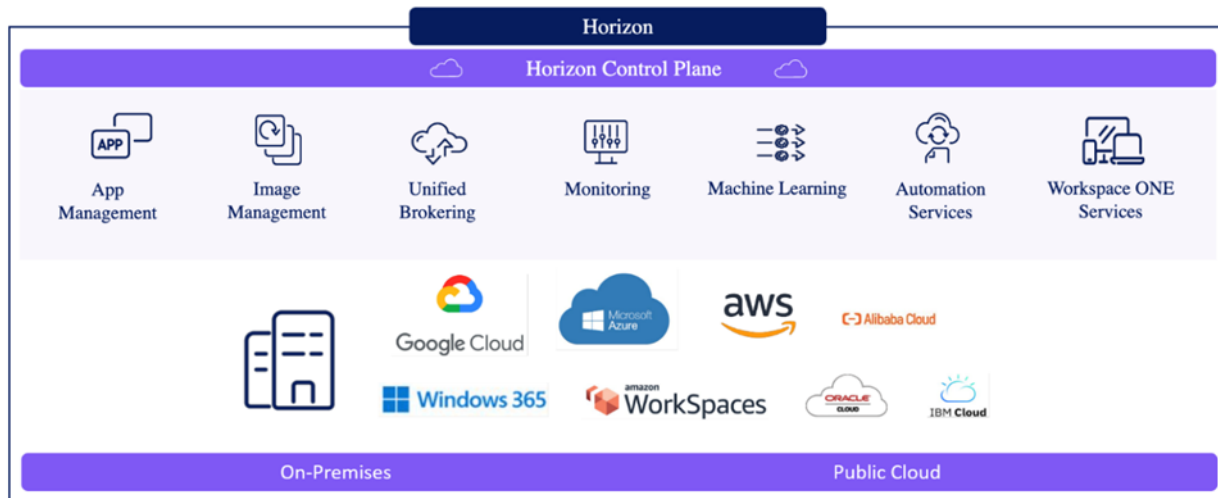
Omnissa Horizon is a modern VDI platform that enables enterprises to securely and efficiently deliver virtual desktops and apps from on-premises and cloud-based data centers to their end users anywhere, anytime. Horizon includes Instant Clone technology, App Volumes with Apps on Demand, and Dynamic Environment Manager to provide a faster way to provision fully personalized and customized VDI desktops or Remote Desktop Session Host (RDSH) environments and dramatically improve app delivery and management at scale.

IGEL Secure Endpoint OS Overview

IGEL Secure Endpoint OS optimizes the endpoint device for on-premises, single cloud and multi-cloud environments. IGEL OS enables organizations to quickly deploy any 64-bit PC, laptop or thin client to securely access virtual desktop and application deployments. IGEL OS enhances endpoint security, reduces complexity and delivers cost savings over a traditional endpoint approach while providing a better and more consistent experience for the end user. The combination of the IGEL Preventative Security Model^{TM} and the security benefits of virtualized desktops and applications deliver a highly robust desktop architecture.

Conclusion

As organizations increasingly embrace a distributed workforce, the need for a flexible, secure, and scalable virtual desktop infrastructure (VDI) is essential. Omnissa Horizon provides a modern platform for delivering virtual desktops and apps securely from both on-premises and cloud-based data centers, offering simplified management and rapid provisioning. Paired with IGEL Secure Endpoint OS, a fully encrypted, read-only operating system with no local data storage, the solution enhances endpoint security and eliminates vulnerabilities. Together, Omnissa Horizon and IGEL streamline IT operations, improve security, and boost productivity for both IT administrators and end users. To learn more about Omnissa Horizon, IGEL sustainability, and Preventative Security Model, read about the integration and request a demonstration here.

omnissa™