

IGEL COSMOS

A SECURE ENDPOINT PLATFORM FOR ACCESSING ANY CLOUD-DELIVERED DIGITAL WORKSPACE

The world of end-user computing is moving faster than ever. How employee workspaces are delivered to a widely distributed workforce requires a new way of thinking: end-users are demanding more freedom and flexibility than ever to work when and where they prefer, on their endpoint devices of choice. The importance of security, cloud adoption, and the evolution of SaaS-based applications is driving organizations to a hybrid workspace that requires different approaches to how employees and endpoints are used, managed and controlled.

IGEL **COSMOS** serves as the ideal solution for secure access to digital workspaces of any kind. It is comprised of IGEL OS (a secure endpoint operating system), the Universal Management Suite (UMS) for highly scalable endpoint management and control, and an array of cloud-based services that enable a secure, optimal experience for both IT administrators and end-users. IGEL **COSMOS** represents a fundamentally new approach in enabling endpoint devices to access VDI, DaaS, SaaS, and any other form of cloud-delivered digital workspaces with unprecedented levels of security, flexibility, and performance.

IGEL **COSMOS** consists of the following key elements:

- IGEL OS - the secure, easy to manage and scale endpoint device operating system designed for accessing any form of digital workspace
- UMS 12 - a management and control system that makes it easy to manage and control up to hundreds of thousands of IGEL OS-powered endpoints - the Universal Management Suite
- Cloud-based services that compliment the OS and UMS to help reduce the cost of endpoint management and deliver improved employee experience, including
 - Onboarding service
 - App Portal
 - Insight service
 - Licensing portal
 - Support portal
 - ... and a growing array of other secure, cloud-based services in the future



IGEL COSMOS Platform at a glance



A key architectural aspect of IGEL **COSMOS** is that IGEL OS is fully separate from the apps and services, and updated and patched independently. This full separation of the OS from the apps and services shrinks the attack surface on each endpoint to its absolute minimum and enables unsurpassed flexibility and efficiency in how end-user apps and cloud services are procured, downloaded, and updated.

The other significant advantage of separating the endpoint OS from the apps and services is that it frees organizations and their people from the disruption and rigidity of the typical large software release management process. Instead of waiting for the next big "X.Y release", end-users simply download the latest version of their apps when they become available. This allows the organization to easily keep technology from software providers updated and current, vastly streamlines the OS and app qualification process for IT for more timely, non-disruptive updates and patches, and enables end-users to benefit from the very latest apps as soon as they are available in the App Portal.

IGEL COSMOS: Designed for Today's and Tomorrow's Digital Workspaces

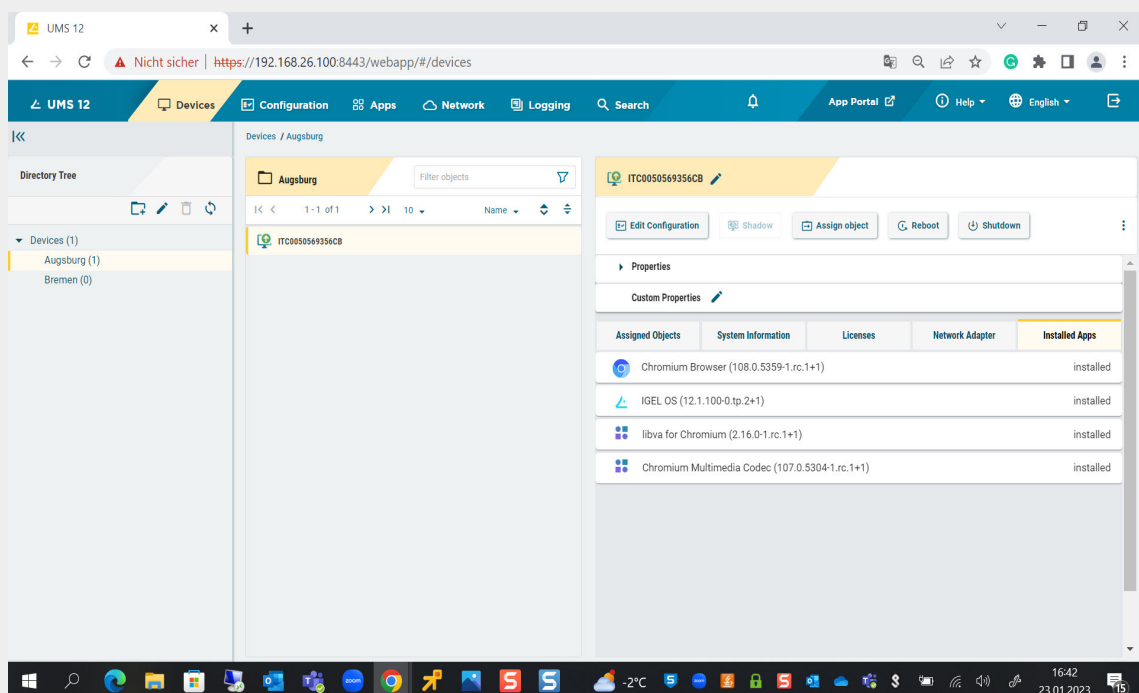
IGEL **COSMOS** is designed for modern end-user computing, where digital workspaces may be delivered from any on-prem or cloud-based source. Its mission is to ease and streamline the workload for IT endpoint administrators while providing a secure, modern, and productive desktop for end-users. Annoying, time-consuming, and oftentimes mundane disruptions like onboarding, updates, patches, or endpoint troubleshooting belong in the past. This visionary platform is ideal for digital workspaces consisting of a growing percentage of SaaS-based applications and services.

IGEL OS 12

Lean and efficient and offering a great end-user experience, IGEL OS 12 runs on any compatible x86-64 device, including endpoints from a wide range of vendors, and like IGEL OS 11, can be ordered as a factory-installed option on select endpoints from HP, Lenovo, and LG. Since it typically extends the useful life of existing devices by 3 years or longer, moving to IGEL OS can yield significant CAPEX savings while contributing greatly to an organization's sustainability goals.

Universal Management Suite (UMS) 12

As the powerful management and control cornerstone of IGEL **COSMOS**, UMS 12 can manage and control many thousands of IGEL OS-powered endpoints while giving the EUC admin the flexibility to create and manage tailored endpoint workspaces tuned to the specific needs of end-users based on their job roles, with strong security. The UMS works in unison with the cloud-based Service Hub, with a web-based interface that is designed to provide all necessary information for time-efficient and easy endpoint and app management, such as notifications of new application versions available through the App Portal, for example.



UMS 12 can manage endpoint devices powered by either IGEL OS 11 or IGEL 12, which eases the transition for existing IGEL OS 11 customers, and supports a wide range of powerful endpoint management and control functions, including (but not limited to):

- automatic update stream
- dynamic **COSMOS** Platform Access Subscription (PAS) management
- high availability option
- external load balancing
- and many more capabilities including conventional functionalities like user & permission management, logging, jobs & admin tasks, admin views, etc.

IGEL Cloud Services

IGEL Cloud Services are a centralized, secure, and cloud-based array of value-added services that extend the capabilities and enhance the user experience for both IT teams and end-users, for all IGEL OS-powered endpoint devices. With UMS 12, it orchestrates all the linkages and logic, running transparently in the cloud, that enhance and simplify both the EUC admin and end-user experience. The EUC admin can access all available services with one identity via single sign-on (SSO) within the secure IGEL cloud. SSO can also be extended by the IT team to end-users across the enterprise.

IGEL License Portal (ILP)

The IGEL License Portal (ILP) is IGEL's cloud-based solution to manage IGEL subscriptions. Assigning, removing, moving, metering, and informing of license/subscription expiration are all features of the ILP that are accessed via an easy and intuitive interface. With IGEL **COSMOS**, the ILP manages per-device right-to-use PAS subscriptions for access to the entire IGEL **COSMOS** platform, which includes IGEL OS on the endpoints, the UMS, and access to various end-user accessible services like the App Portal.

IGEL **COSMOS** PAS subscriptions are available via three separate SKUs, each aligned with its corresponding support level (Select, Priority, or Priority Plus), and enable use of the entire platform and its products, features, and support.

IGEL App Portal

The IGEL App Portal is an IGEL-hosted software repository that can be accessed directly through Web, the UMS 12, or by IGEL-powered endpoint users to gain access to a range of applications provided by IGEL and the IGEL Ready ecosystem. It vastly streamlines the process by which IT administrators update and patch endpoints to save valuable time and effort, and enables end-users to simply access the cloud-based App Portal to download software onto their devices, at the discretion of the IT team based on user profiles. Much like updating an iOS or Android device, it's a simple 1-click process for the end-user that requires zero concurrent time or effort from the IT team. This means end-users can benefit from the very latest, validated version of the Citrix Workspace App, Horizon, AVD client, PrinterLogic, Imprivata, and ControlUp clients, etc., as soon as they are available from our IGEL Ready software partners in the App Portal.

The App Portal is perhaps the best example of the huge benefit of separating the base IGEL OS from the apps and services. Various App Portal features help EUC admins to configure endpoints across their environment, including:

- Automatic configuration of “zero day” updates to the device, without the need for an onboarding/updating infrastructure
- Selection and use of a specific version of an application
- An optional on-premises solution for updates and installation of applications

IGEL Onboarding Service

The IGEL Onboarding Service makes onboarding a new user and their device fast and easy, only requiring the end-user to answer three simple questions to get fully onboarded within three minutes. It quickly brings any new, “out-of-box” IGEL OS-powered device reachable over the Internet automatically under the management of the IT department, without requiring any concurrent assistance from anyone on the IT team. Upon initial log-in using a company-provided username and password, the endpoint device does a lookup, and if no UMS is available for that user (indicating that this is the initial out-of-box power-up and log-in) in the local network, the onboarding service is contacted and all necessary information and certificates are deployed over the network to the device. The authentication via a preconfigured identity provider ensures that all the organization’s IGEL OS-powered endpoint devices are safely controlled by the UMS.

This rapid “no-touch” onboarding service makes adding a new endpoint device under management and control from the UMS fast and easy for both end-users and the IT team.

IGEL Insight Service

The IGEL Insight Service provides keen per-device insight that enables proactive recommendations to get the best out of the IGEL product portfolio. It creates reports of unique environments, based on dates from IGEL OS endpoints, from the UMS, and from the IGEL Cloud Services as well, such as outdated apps or devices that do not fulfill the hardware requirements of a deployed unified communication solution.

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