

# ZIGEL LIGEL

**Use Cases Software**  $\rightarrow$ **Endpoint Devices**  $\rightarrow$ Advanced  $\rightarrow$ **Services** Support  $\rightarrow$ **Options Industry Impact**  $\rightarrow$ Looking **Forward**  $\rightarrow$ 

**Next Steps** 

# WELCOME. WHAT IGEL STANDS FOR.

Securing and optimizing user access to virtualized apps, desktops, and cloud workspaces is not an afterthought. It's IGEL's sole focus.

From hardware-agnostic software to portable software licenses, drag and drop profiling and no touch deployment to enterprise security already built-in, IGEL's technology exists to make IT's life easier while enabling end-users to thrive. Once you experience IGEL's managed endpoint OS for secure access to any digital workspace, nothing else will do.

### SIMPLE

Maximize hardware life to save CAPEX

### SMART

Easy endpoint management and control saves OPEX.

### **SECURE**

Protect endpoint devices against attacks.



## WHO IS IGEL?

IGEL is the world leader in providing the endpoint solution for today's digital workspaces.

IGEL provides IGEL OS, the managed endpoint OS for secure access to any digital workspace, along with simple, smart, and secure management and control software for virtual apps, desktops, and cloud-delivered virtual workspaces.

The IGEL Ready Program provides IGEL the capability of holding strategic alliance and development partnerships with Citrix, Microsoft, VMware, LG, Lenovo, HP, Intel, and healthcare-sector OEMs including Imprivata, Enovate Medical and Epic. In addition, IGEL has more than 1,500 channel reseller and consulting partners.

IGEL products are used by 17,000 customers worldwide with over 3 million IGEL OS-powered clients under management.

Its headquarters are in Bremen, Germany, primary development in Augsburg and Karlsruhe, Germany, and North American operations out of San Francisco.

1.5K Resellers

100+

Development Engineers

25
Years of Laser Focus
Continual Improvement

130+
Technology Partners

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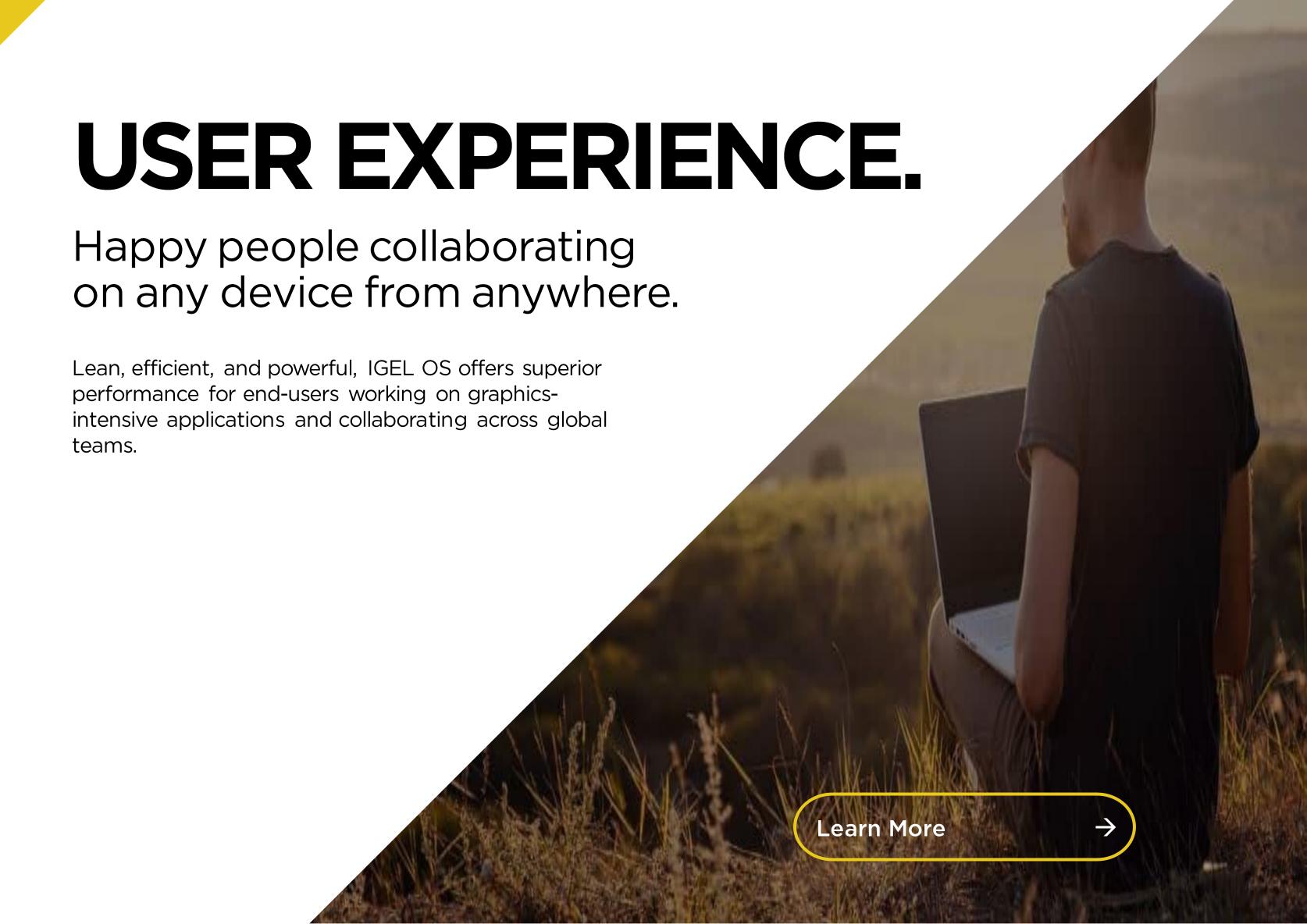
# USE CASES.

IGEL offers more than just a secure, managed endpoint operating system. IGEL OS and the IGEL UMS enable simple, fast, and secure access to cloud-delivered digital workspaces of any kind -- today and in the future.

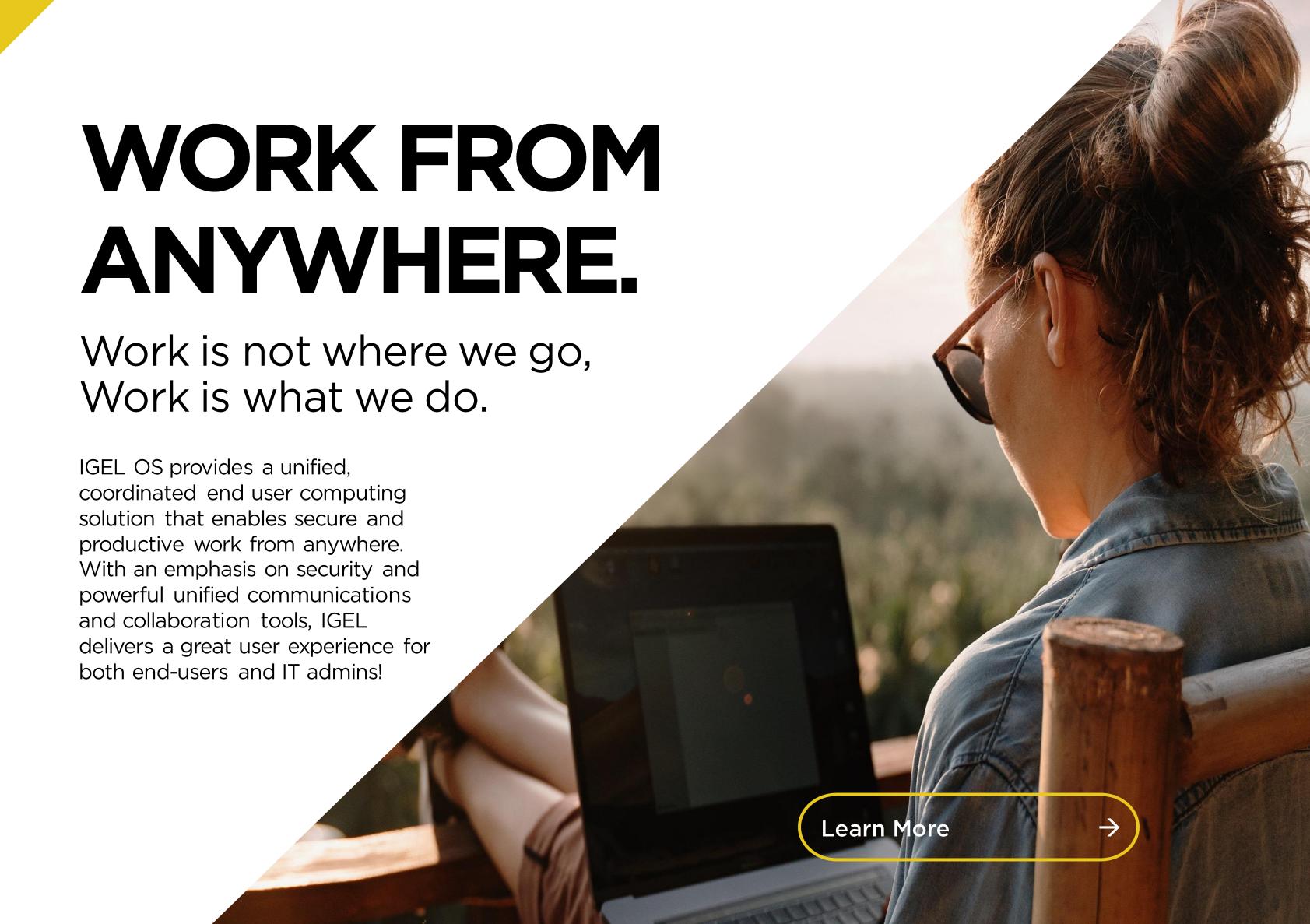
Discover more about current trends and topics.

User Experience	$\rightarrow$
Work from Anywhere	$\rightarrow$
Hybrid Workspaces	$\rightarrow$
Security	<b>→</b>
Sustainable IT	$\rightarrow$















IGEL SECURITY.

Achieve Comprehensive Endpoint Protection for the Secure Enterprise.

IGEL OS is a secure endpoint operating system with security 'built-in' for the work-from-anywhere era. It's read-only, modular, and small footprint is designed to minimize endpoint security exposures and stores no corporate data locally. IGEL OS helps prevent attackers from infiltrating your organization through the most common entry point: your employees' devices.

Learn More →

### LIGEL L

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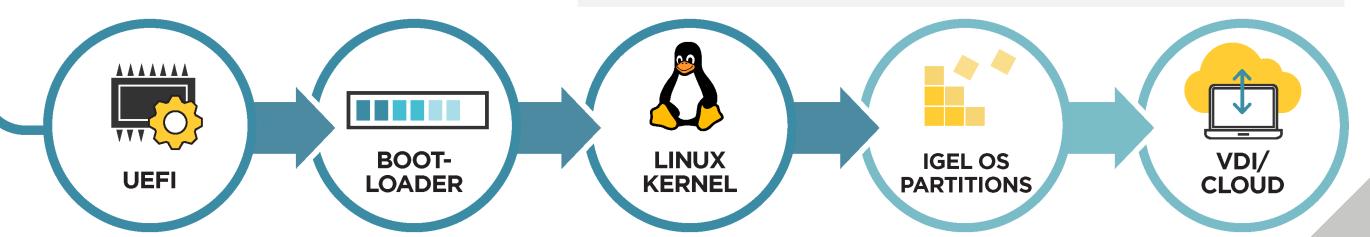
# THE IGEL CHAIN OF TRUST.



- Ensures all components of a VDI/cloud workspace scenario are secure and trustworthy.
- As each component starts, it checks the cryptographic signature of the next, only starting it, if it is signed by a trusted party (e.g., IGEL, UEFI Forum).
- If a failure condition at any step is detected, the end-user is alerted, and IT can take appropriate action.

#### THE PROCESS

- 1) The software-related IGEL Chain of Trust starts at UEFI.
- 2 UEFI checks the bootloader for a UEFI Secure Boot signature.
- (3) Bootloader then checks the IGEL OS Linux kernel.
- 4 If the OS partitions' signatures are correct, IGEL OS is started, and the partitions are mounted.
- 5 For users connecting to a VDI or cloud environment, access software checks the certificate of the connected server.



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# SUSTAINABLE IT.

Reduce carbon footprint and slash energy use with IGEL.

Transform the hardware you already own into a managed workspace powered by IGEL OS to reduce CO2 emissions incurred by manufacturing by up to 40%. Add years of useful life to your existing endpoints. Secure hybrid work cuts daily commuting, and lean, efficient IGEL OS reduces energy costs by up to 49%.



Learn More

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## SOFTWARE.

IGEL OS is the managed endpoint OS designed for secure, high-performance access to any digital workspace. Not Windows, it's lightweight, read-only, and modular, making it an unappealing target for hackers and malware, yet familiar and powerful for end-users, and easy for IT teams to manage at scale. Discover more about IGEL's software offerings.

### Discover more about IGEL's software offerings.

IGEL OS 

Universal Management Suite 

IGEL Cloud Gateway 

Shared Workplace 

→



## IGEL OS.

# IGEL OS has revolutionized end user computing.

Currently in its 7th generation, the time-tested IGEL OS operating system serves as the ideal endpoint OS for cloud-delivered digital workspaces. It standardizes diverse endpoints onto a unified platform and provides for adaptive configuration and granular control, while giving users a familiar, trouble-free workspace. Supporting more remote display protocols and attached peripheral devices than any alternative solution, IGEL OS is purpose-built for enterprise access to virtual environments of all types.

### **Powerful**

Lean and efficient, with zero "overhead".

### Platform independent

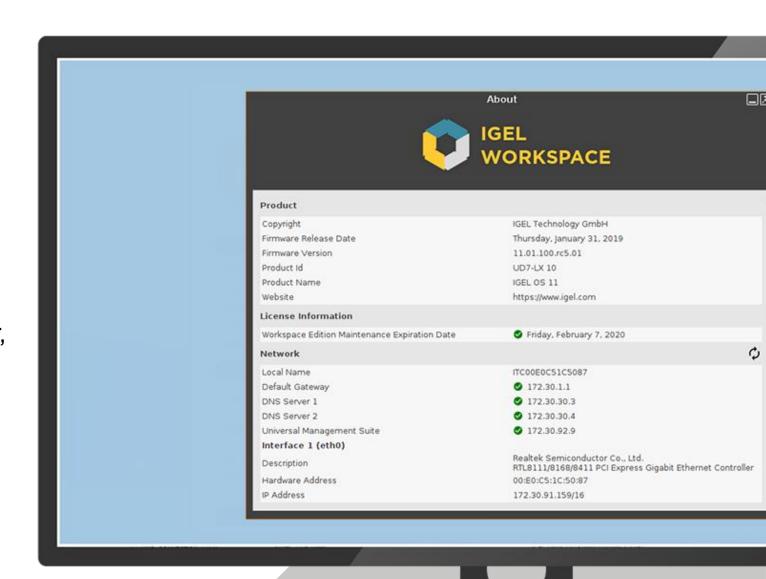
Linux based, read-only, secure and modular.

### Collaborative

Vast partner ecosystem of peripherals and protocols.

### **Employee experience**

- Easy to manage
- Secure
- Sustainable







**Next Steps** 

# What is IGEL 0S?

Designed for hybrid workforces, hardware-agnostic.

A highly secure operating system for x86-64 machines, IGEL OS is designed to become the standard enterprise managed operating system for cloud workspaces, on PCs, laptops, tablets and most other x86-64 devices.

### **Enhanced user experience**

By moving desktop PC workloads from the endpoint and into the secure cloud or data center, which includes inherent fault tolerance and automated backups, the user experiences true efficiency with increased security.

# **Built-in enterprise level security**

Security conscious organizations can be confident in the core operating system on endpoint devices. A readonly file system, two-factor authentification, smart card readers, trusted execution, and a "complete chain of trust" are already included.

# Minimize procurement costs

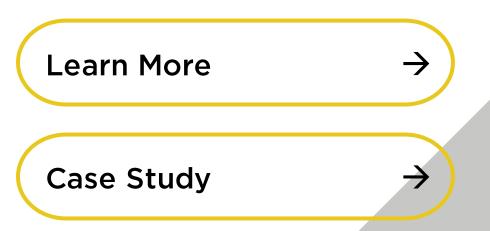
Extending the life of existing hardware assets eliminates the disruption and cost of new hardware. Future-proofing the user's infrastructure further ensures easy scalability.

# Modular configuration

IGEL OS is designed to let an organization "turn off" unused features to give back resources to the system, thus keeping endpoints "thin" while minimizing the attack surface of the device.

### **Easy customization** of firmware

From added functionality to corporate branding to screensavers that display corporate messaging, IGEL OS is designed for managed customization and cloud-based environments.









# UNIVERSAL MANAGEMENT SUITE (UMS).

Purpose-built to simplify complex enterprise endpoint environments, the Universal Management Suite (UMS) supports diverse operating systems, databases and directories. This smart, simple and secure management software lets IT easily manage any remote endpoint, on the corporate network or off, from just a few to tens of thousands, from one single console and one single endpoint administrator.

### **Extended reach**

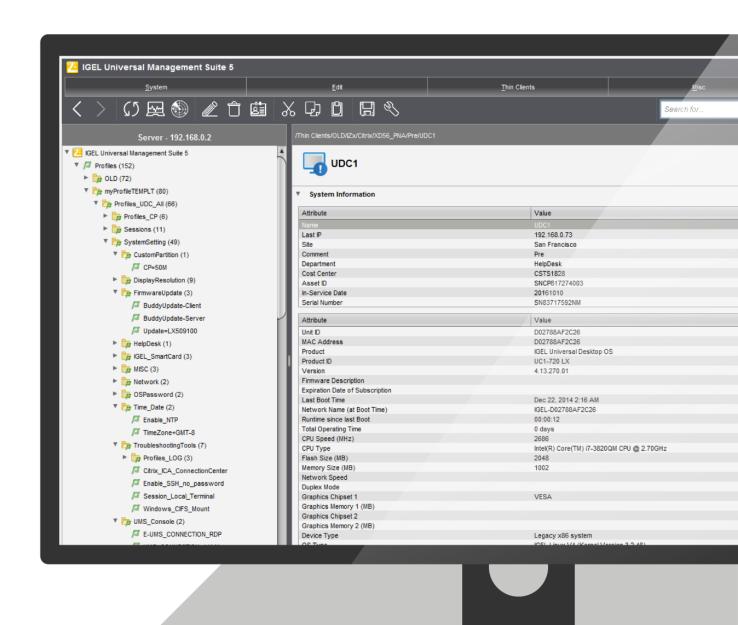
Easy management and control of local and remote endpoints via a familiar, simple interface.

### **Easy integration**

Easily install on your Linux or Windows server, high availability for non-stop & REST API.

### Scalable

Scale up to 300,000 endpoints.







# What is UMS?

Simplify complex enterprise environments.

Universal Management Suite (UMS) offers easy management and control of IGEL OS-powered endpoints via an intuitive, powerful console interface. It can scale to manage from just a few to many thousands of endpoints from one single console.

### **High availability**

The high availability option enables the UMS to offer any degree of scalability, availability and redundancy. Even large-scale endpoint environments (500 or more end devices) can be reconfigured simultaneously.

### **Endpoint software license portability**

UMS has the ability, working in concert with the cloud-based IGEL Licensing Portal, to assign software licenses to endpoints and move a license from one device to another.

### **REST API**

The UMS can connect via a RESTful API to existing enterprise management, reporting and trouble-ticketing systems. It provides the interface for REST-compatible programming languages to connect autonomous systems.

Case Study →



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## UMS WEB APP.

Manage your endpoints in a browser.

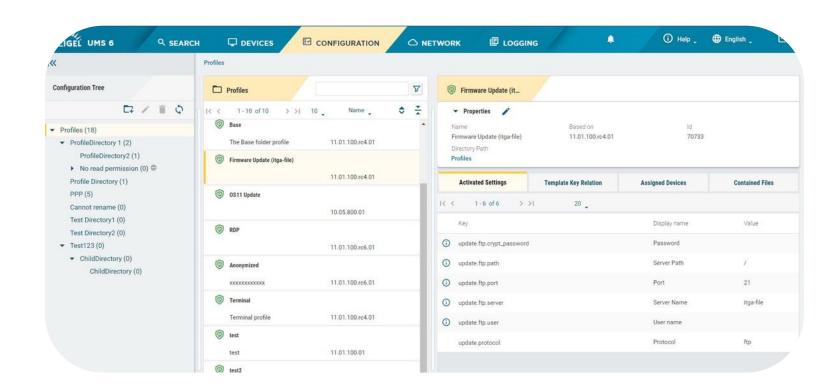
The UMS Web App provides IT administrators with a rich, graphical and user-friendly, browser-based interface for IGEL UMS access.

### **Help Desk Use Case**

Help desk engineers and agents benefit from a webbased user interface for monitoring and managing IGEL OS endpoints with the UMS Web App.

### **Device Management Use Case**

Management and configuration capabilities make it easy to manage profiles and user groups and permissions with the UMS Web App.



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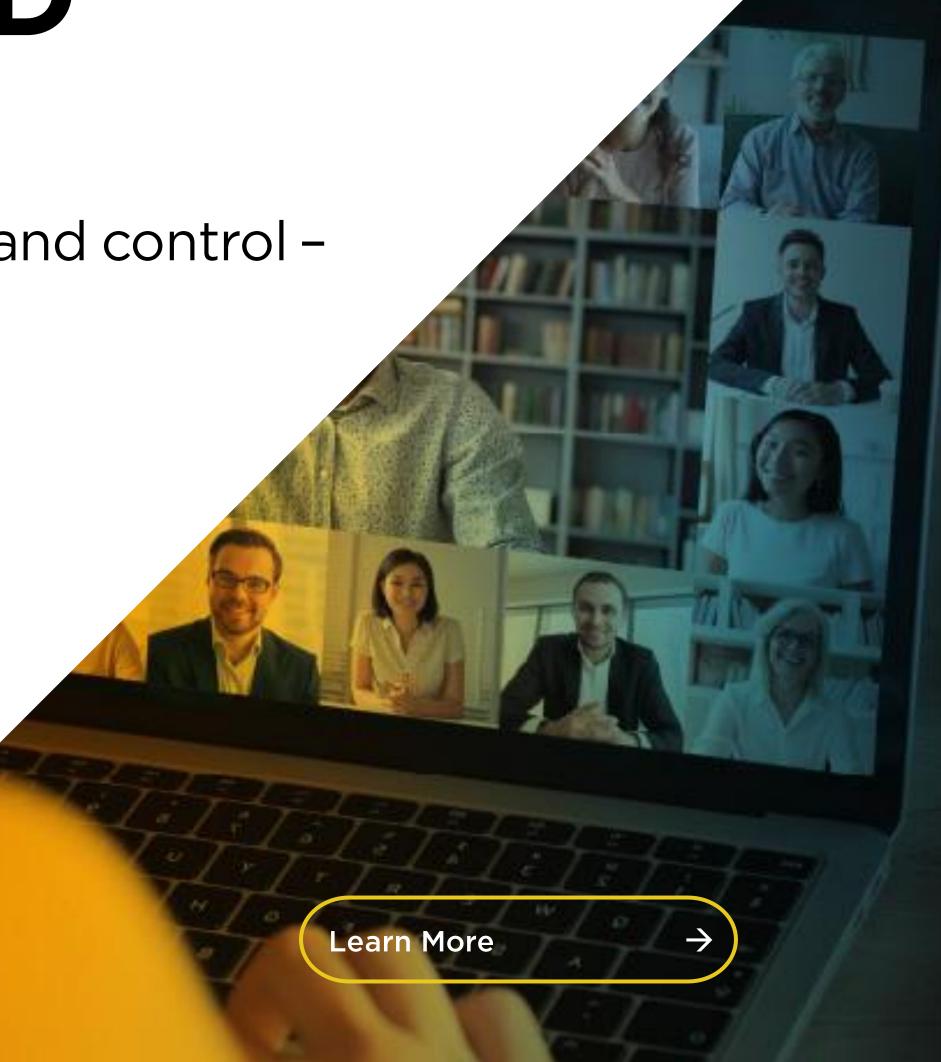
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# IGEL CLOUD GATEVAY.

Endpoint management and control – anytime, anywhere.

The IGEL Cloud Gateway feature extends the management and control reach of the IGEL Universal Management Suite (UMS) via a standard internet connection to endpoints running in remote branch offices, at home offices, or anywhere else.

Across all industries, the IGEL Cloud Gateway offers IT pros a dedicated virtual connection for the transparent and secure management of IGEL OS-powered endpoints, including endpoint devices using the IGEL UD Pocket.



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# SHARED WORKPLACE.

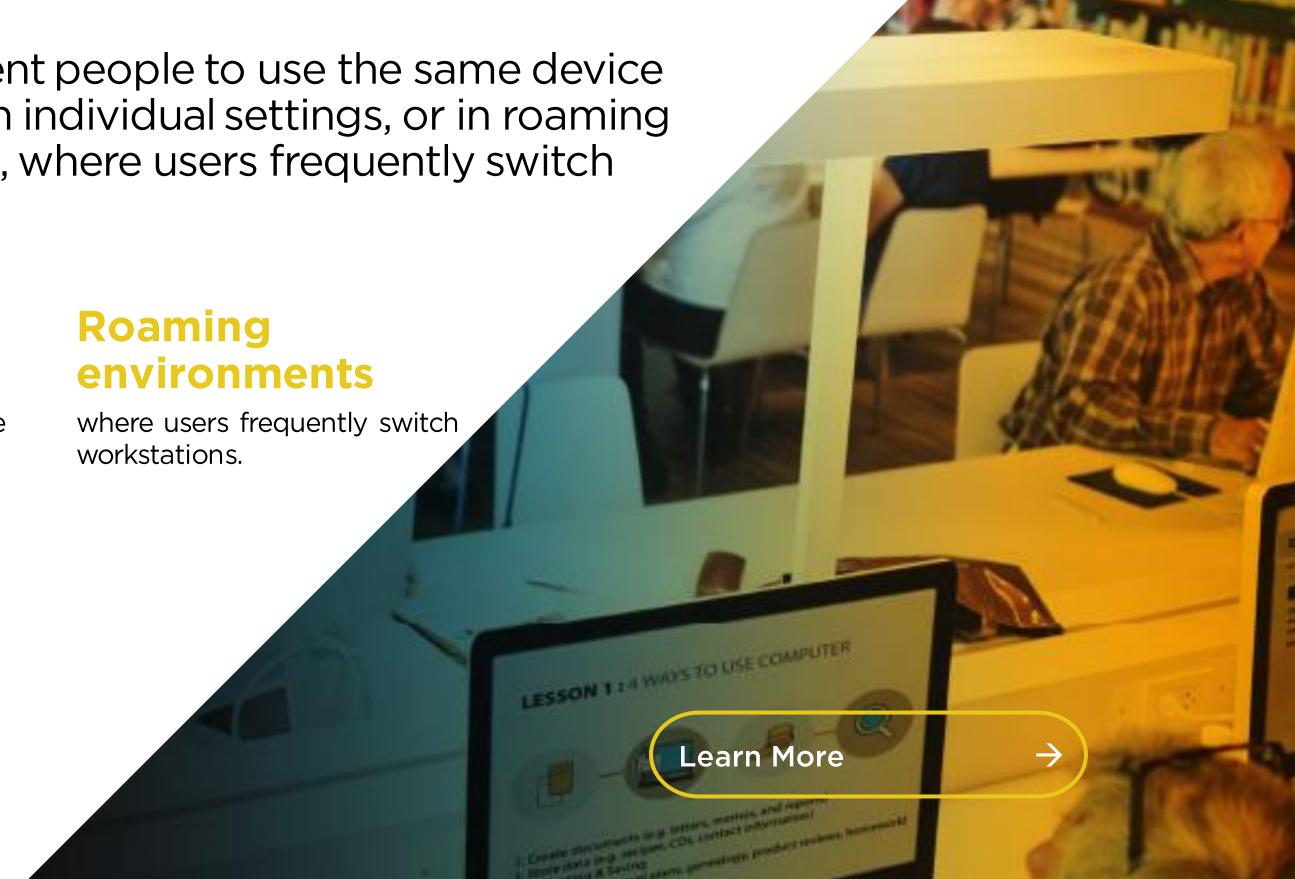
Enable different people to use the same device with their own individual settings, or in roaming environments, where users frequently switch workstations.

### Working environments

where different staff members use the same device and need their own individual settings.

### **User authentication**

via Active Directory for remote workplaces.





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ASSET INVENTORY TRACKER.

Gain insight into peripheral devices connected to IGEL OS-powered endpoints across distributed workplaces with the AIT feature of the IGEL UMS.

### **Track Assets**

Identify and collect information on USB and Bluetooth assets.

### **Asset Manageability**

Enable connection to external asset management tools via REST API.

### **Asset Visibility**

Help prevent the use of unauthorized peripheral devices.

Learn More →





# ENDPOINT DEVICES.

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IGEL offers great flexibility in endpoint device usage, as IGEL OS runs on any compatible x86-64 endpoint, including those devices offered by premier hardware partners including HP, Lenovo, LG, and others.

Endpoint hardware that fits every need.

IGEL Ready Advanced Partners 

Any Compatible x86-64 device 

UD Pocket 

→

IGEL OS(RPI4)

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# IGEL READY ADVANCED PARTNERS.

As IGEL Ready Advanced partners, IGEL OS is validated on hardware from HP, Lenovo, and LG Business Solutions and pre-installed on selected devices.





























## LIGEL \*\*

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# ANY COMPATIBLE X86-64 DEVICE.

Hardware-agnostic.

A secure Linux-based operating system for x86 machines built with industry-standard highly components, regardless of manufacturer, platform-independent IGEL OS is designed to become the standard enterprise managed operating system for PCs, laptops, tablets, thin clients, and most every other x86-64 device accessing a digital workspace.

### **Compatible & Certified Devices**



SAMSUNG







WYSE

Contact IGEL for a comprehensive list of all supported devices.

IGEL offers UD2, UD3, and UD7 devices as a complete endpoint solution of software and hardware.

**Learn More** 





## UD POCKET.

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Achieve secure and controlled access to company apps, data and your desired workflows from anywhere. Boot IGEL OS on any x86-64 device into a secure, managed cloud or VDI workspace with the IGEL UD Pocket. Once complete, simply remove to return to the native environment.



# Repurpose **Existing Hardware**

The UD Pocket delivers IGEL OS to legacy and unmanaged x86-64 devices from either a USB-A or a USB-C connector to access a configured, managed, and secure workspace.

# Work Securely from Home or Anywhere

The UD Pocket delivers modular, read-only IGEL OS, providing a highly secure Linux-based operating system with support of two-factor authentication and trusted execution.

### **Primary Uses**

- Disaster Recovery
- Bring Your Own Device (BYOD)
- Remote workers using their own personal endpoint devices
- Suppliers

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Datasheet →

Case Study

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# IGEL OS(RPI4).

The revolution continues.

IGEL OS, the managed endpoint OS for cloud workspaces, is purpose-built for enterprise access to virtual environments – and is now also available for the Arm platform. IGEL OS(RPI4) helps to protect enterprises against malware and viruses.

### **Optimized for Citrix**

Optimized for Citrix HDX, supports Citrix Workspace App and Workspace Hub.\*

### **Adressing Opportunities in IoT**

Enables your entrance to the world of the Internet of Things (IoT).



♦ ▲ [] 25:29



Datasheet

Supporting the NComputing RX420(IGEL) device and based on the Raspberry Pi 4 platform, IGEL OS(RPI4) expands its range of applications

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\* Workspace Hub is experimental and not yet fully supported by IGEL.



**Next Steps** 

# SUPPORT OPTIONS.

IGEL software maintenance ensures users have the latest updates, upgrades and features.

### Select

Select Support, included with software maintenance, ensures the latest software updates, upgrades and feature releases for the life of the maintenance agreement.

- Standard business hours
- Product updates & upgrades\*
- 3 business days non critical response time (CRT)
- Annual fee included with software maintenance

### **Priority**

Priority Support adds to SELECT support with phone support and remote access by an IGEL support engineer, with a shorter inquiry response window for critical issues.

- Next business day non critical response time (CRT)
- Annual fee

### **Priority Plus**

Finally, Priority Plus Support includes business hour web, email and phone support as well as direct remote access from IGEL support engineers with 24×7 coverage for critical issues.

- 24x7 for critical issues\*\*
- 4 business hours non critical response time (CRT)
- Annual fee

**Learn More** 

IGEL endpoint hardware comes with a 2-year warranty that extends to 5 years with registration.

\*Requires active maintenance on endpoint

\*\*Must be logged via phone







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# ADVANCED SERVICES.

Starting right, scaling smart.

To ensure successful and faster time-to-value IGEL deployments, IGEL provides advanced services to guide customers toward a successful IGEL OS roll-out and operation within their environment. IGEL provides three types of advanced services:

# Consulting & implementation services

Achieve greater time-to-value with IGEL Advanced Services for design, deployment, implementation and customization of IGEL solutions to achieve maximum value. Services packages are available for numerous scenarios including short-term implementation projects, e.g. health checks, upgrades, IGEL roll-out.

### Technical Relationship Manager (TRM) services

As your trusted IGEL advisor, IGEL TRMs are your long-term dedicated IGEL subject matter experts, who can assist with your technical IGEL needs to ensure a successful, stable and scalable IGEL environment to get maximum value and ROI from IGEL products and services.

### **IGEL** education

**Learn More** 

IGEL Education is the focal point for learning all things IGEL, enabling your business to achieve their goals faster through formally constructed and socially farmed content from throughout the IGEL community. The IGEL Academy portal is accessible to everyone along with one free technical course. IGEL Academy Premium, a paid upgrade, grants you access to advanced training content including on-demand labs and additional technical certifications.

**IGEL Academy** 









# CUSTOMER SUCCESS TEAM.

From the first moment when you become an IGEL customer.

The Customer Success team partners with you to deliver value and positive business outcomes throughout your journey with IGEL.

### **On-boarding**

At IGEL, we pride ourselves on ensuring our customers get the most from our solutions and services as quickly as possible. Our dedicated on-boarding team ensures our customers can deploy our solutions with ease, and that both new and existing customers have instant access to all the support and services they are entitled to.

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### **IGEL** experience

The IGEL customer journey begins with a shared vision. Our Customer Success team takes a dedicated and proactive approach to achieve that vision and helps customers to effectively adopt and use IGEL products. Essential functions include on-boarding, monitoring product usage, providing customer insights to IGEL engineering and product teams, positioning IGEL best practices, connecting the customer with necessary IGEL teams and maintaining proactive communication. Our number one mission is to get our valued customers to their desired outcome with our products and services.







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# INDUSTRY IMPACT.

All industries face intense competition and a growing need to streamline, and future-proof, IT infrastructure technologies. Only IGEL focuses on endpoint operating system, management, control, and optimization software that guarantees the highest levels of availability and connectivity.

#### IGEL is a leader in a range of industries.

Healthcare	$\rightarrow$
Finance, Insurance & Legal	$\rightarrow$
Government	$\rightarrow$
Manufacturing	$\rightarrow$
Higher Education	$\rightarrow$
Retail	$\rightarrow$



HEALTHCARE.

In healthcare, better user productivity translates to better patient care. IGEL has spent decades perfecting IGEL OS and is continually supporting the technologies that are critical to healthcare professionals. From embedded support for single sign-on to secure roaming and data protection, IGEL believes in giving users a familiar, secure, and trouble-free environment.

When considering IT infrastructure solutions, IGEL focuses on delivering software and solutions that automatically meet the healthcare industry's most critical needs.

OneBlood

Welsh Health Board

Learn More





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FINANCE, INSURANCE & LEGAL.

For the legal and financial industry, security is a critical and constant concern. End user computing and cloud workspaces environments must serve to protect data and meet regulatory requirements, while also ensuring operational efficiency through high performance and high availability.

When considering an endpoint OS with central management and control at scale, users should look for a solution that has been tailor-made for enterprise legal and financial services. With IGEL's Linux-based operating system, data remains secure, protected through standards-based encryption, secure remote access, event logging, multi-factor authentication, and IGEL's complete chain of trust. With IGEL, IT can standardize, centralize and streamline endpoints at any branch in the world, giving users a secure, familiar and trouble-free experience.

First Tech Credit Union →

Standard Life

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GOVERNMENT.

Due to budget constraints, coupled with an increased demand for services, government and non-profits often have to keep computers longer than those in the private sector. This resulting combination of legacy systems and devices can lead to operational inefficiencies and exposure to malware and cyber-threats.

Instead of reacting to the headaches brought by a patchwork of devices, use IGEL to standardize all x86-64 machines, regardless of manufacturer. This centralized endpoint OS infrastructure is easier for IT to manage and gives users a familiar, trouble-free experience. Enterprise class endpoint management and control allows government and non-profits to increase operational efficiency and reduce TCO. Now distributed branches can enjoy the same ease of use and security as those in the private sector.

City of Corona →

City of Tigard →





MANUFACTURING.

The manufacturing and logistics industries face intense competition and a growing demand from their distributed workforce for mobile access accelerated by the COVID-19 pandemic.

The IT infrastructure you select plays a critical role in securing the most vulnerable entry point for malware — the network edge. It should also improve overall operational efficiency while creating a secure and lean manufacturing environment. This is especially true for widely distributed user endpoint devices attached to the network, either on a corporate LAN or via the Internet.

Hoppe Holding AG →

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Randolph-Brooks





# HIGHER EDUCATION.

Educational institutions need to serve a variety of users, from students and researchers to teachers and administrators.

IGEL helps the IT team get the most out of any virtualized environment that includes supporting multiple users on shared devices, while reducing IT cost and complexity.

Shifting end-user computing resources to centralized data center or cloud environments with IGEL OS and management software reduces endpoint complexity, eases management and control, and minimizes security exposure.

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Saskatchewan Poly →

**Ayrshire College** 





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### RETAIL.

For the retail industry, staying competitive means constantly streamlining operations.

Lightweight and secure by design, IGEL OS offers a simple, standardized, and secure solution that helps retailers get the most out of their point of service and operational environments.

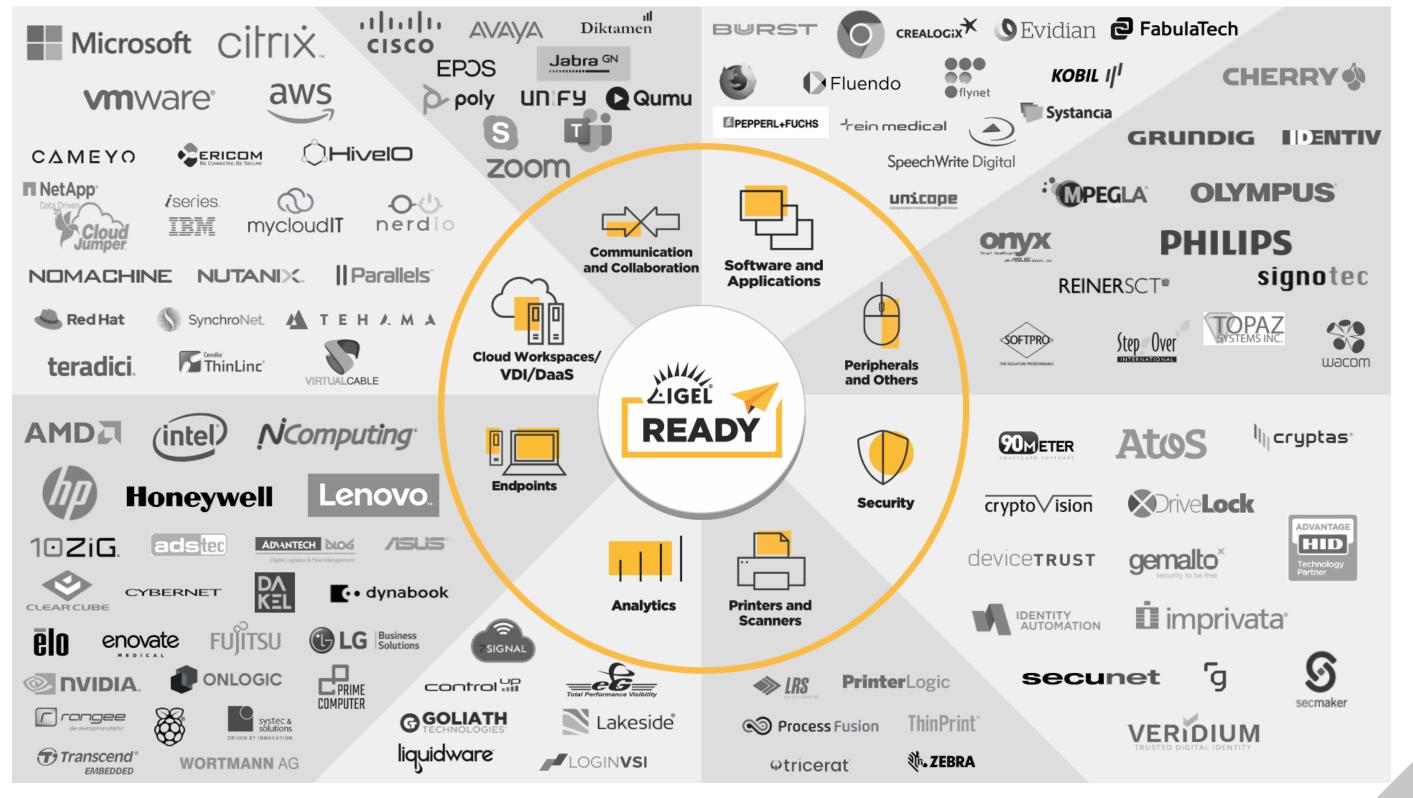
IGEL helps overcome many of the most pressing challenges in retail, including maintaining payment card industry (PCI) data protection compliance while giving end-users an informed and immersive buying experience.







# TECHNOLOGY PARTNER ECOSYSTEM.



<sup>\*</sup>Just a selection, we have solutions from more than 130+ technology partners available. https://www.igel.com/technology-partners/



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# IGEL READY PROGRAM.

### PLATTFORM. PARTNERS. POSSIBILITIES.

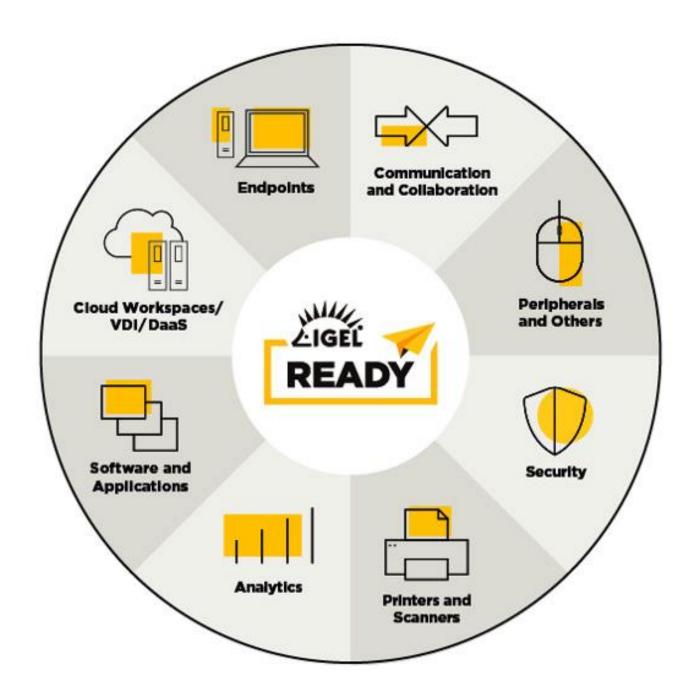
IGEL READY is a technology partner program designed to verify hardware, software, and peripheral technologies to bring to you an ecosystem of solutions that are integrated and interoperable with IGEL OS.

### Why IGEL READY?

Derive more value from IGEL by accessing a repository of tested and validated products and solutions that work seamlessly with IGEL OS.

IGEL Ready gives you the confidence to know that adding IGEL technology into your existing IT infrastructure will be fast and easy, to the benefit of both your end-users and IT team.







# THIS IS THE FUTURE.

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## NEXT STEPS.

Where are you on the path to easy, scalable, and secure endpoint access to any digital workspace?

### Download free licenses

Download free licenses of IGEL Workspace Edition which includes IGEL OS, the Universal Management Suite (UMS) and the Enterprise Management Pack. Trial limited to 90 days.

### Request a 12-minute demo

An IGEL engineer will walk you through the system.

### **Contact details**

info@igel.com

#### **Germany**

+49 421 52094 0

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+1 845 589 5900

#### **ROW**

+49 421 52094 0

#### **More Info**

IGEL.com/resources

**Download Licenses** 

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Request a Demo

