

# Business Continuity with IGEL's Defense in Depth Solution

## Rapidly regain control of compromised endpoints when a disruptive event occurs.

In today's dynamic business landscape, IT outages, ransomware attacks, security incidents, and weather events cause business disruption resulting in significant financial loss and reputational damage. Organizations implement business continuity plans to ensure critical data is backed up, replicated, and readily available when an incident occurs. These plans focus on data, many plans overlook a crucial aspect of the infrastructure: the endpoint. Rapid endpoint recovery plays a critical role in minimizing downtime and supporting operational efficiency.

*According to IBM, as many as 90% of successful cyber-attacks originate from the endpoint, the everyday devices – desktops, laptops, and other connected hardware that people use to communicate and work.*

## A Defense In Depth Approach to Rapid Endpoint Recovery

Defense in Depth (DiD) is a cybersecurity strategy that uses multiple layers of security controls to protect data and systems from threats. Instead of relying on a single defense mechanism, DiD ensures that if one layer is compromised, others are still in place to mitigate risks. IGEL Business Continuity offers an in-depth approach to endpoint recovery including IGEL Dual Boot, IGEL USB Boot and specialist services.

### IGEL Business Continuity Dual Boot

IGEL Business Continuity Dual Boot is a protected IGEL partition alongside the Windows partition. It can be installed with Windows management tools, no-touch on an endpoint. In the event the Windows OS is compromised, the IGEL Dual Boot enables the user to clean boot to secure IGEL OS, operations can quickly reinstate secure connection to communication and business services.

### IGEL Business Continuity USB Boot


IGEL Business Continuity USB Boot is a dedicated USB drive distributed to the user and set up with IT specialist services during onboarding. In the event the hard disk on the compromised endpoint fails, IGEL Business Continuity USB Boot enables IT to clean boot a compromised Windows endpoint to IGEL OS, retrieve the latest updates from IGEL UMS management to securely reconnect to communication and business services.

## Business Continuity Services

An IGEL Business Continuity Specialist assists in setting up the required IGEL infrastructure and configuration of the endpoint image. Regularly, this image can either be updated on the IGEL Business Continuity USB Boot or through remote management of the endpoints on the IGEL Dual Boot partition. Different endpoint requirements depending on user location, business unit, or use case, —such as authentication, virtual desktop clients, and collaboration tools — may arise and need to be installed on each USB device/boot image. The specialist will collaborate with the customer's IT teams to prepare test and refine the images and participate in scheduled recovery exercises throughout the year. This proactive setup ensures the organization's business continuity plan is in place, allowing IT teams to focus on incident response when needed.

## Restore Compromised Endpoints; Clean-Boot to IGEL OS

When ransomware strikes, the Windows operating system is typically altered to contain malicious code. IGEL Business Continuity bypasses the compromised Windows OS by booting directly into a clean IGEL OS environment. This allows administrators to swiftly reconnect users to business apps and essential online services like Office 365, Teams, and Zoom. In tandem, IT can decide on the best course of action— whether re-imaging, replacing, or transitioning those



endpoints to IGEL OS to prevent future attacks. As part of the IGEL Preventative Security Model™, IGEL OS operates as a read-only system with no local data storage. This reduces the attack surface, eliminating vulnerabilities that bad actors often exploit, mitigating endpoint attack risks while supporting a Zero Trust security model. IGEL OS is a more secure alternative to Windows on the endpoint.

## Work-from-Home Events: Be Prepared for the Unexpected

Snow, storms, floods, fires, and transport strikes—there are many reasons why office-based workers might not be able to reach their workplace and devices. In these scenarios, IGEL Business Continuity provides an 'emergency break glass' option. Employees can use their personal x86 64-bit devices to boot cleanly into IGEL OS, gaining secure access to company resources. The Preventative Security Model™ at the core of IGEL OS ensures that no company data can be copied to the employee's device. Since no changes are written by IGEL OS to the device's hard disk, the native operating system stays intact.

## Enhance Endpoint Resilience and Minimize Downtime with IGEL

IGEL OS is a transformative, secure enterprise endpoint operating system designed for SaaS, DaaS, and VDI environments. Seamless to manage and a great user experience, at the core of IGEL OS is the Preventative Security Model™ that removes endpoint vulnerabilities while reducing endpoint cost of ownership.

## Rapid Recovery

IGEL Business Continuity enables compromised Windows endpoints to be quickly brought back online during an IT outage or ransomware attack, reducing recovery time from days to minutes.

## Preventative Security

The IGEL Preventative Security Model™ significantly reduces the attack surface by preventing unauthorized software installations and isolating endpoints from potential threats.

## Secure Access from Any Location

Whether due to snow days, transportation strikes, or natural disasters, IGEL OS enables employees to work securely from personal or backup devices without compromising security.

## Restore Critical Services

Including an IGEL Business Continuity Specialist, organizations can minimize downtime and support business operations, even in the worst-case scenarios

## Defense in Depth Approach

IGEL Business Continuity offers rapid endpoint recovery. The IGEL specialist will guide IT through the Dual Boot and USB Boot options, tailoring the solution to the organization's specific business continuity needs.

In an era of increasing IT disruptions and cybersecurity risk, IGEL Business Continuity provides a secure, cost-effective, and defense in depth solution that ensures operations amidst a security incident and unplanned downtime. Include IGEL Business Continuity as a core element of a comprehensive business continuity plan to enhance endpoint resilience and minimize downtime.

Contact us for a demo at [igel.com/business-continuity/](https://www.igel.com/business-continuity/)

[Learn more about IGEL Preventative Security](#)