

Whitepaper



From Legacy to Cloud

Simplifying the Migration of Windows
Applications for Modern Work Environments

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Executive Summary



Overview

Businesses today face increasing pressure to support remote work environments, multi-platform accessibility, and advanced security standards. However, many are constrained by legacy Windows applications, which were built to function in traditional, on-premise environments. These legacy applications are critical to business operations, yet their maintenance is becoming increasingly complex and costly. Many organizations lack the resources, time, or expertise to redevelop these applications for the cloud, leading to ongoing compatibility issues, mounting IT support demands, and an inability to scale.

Our solution bridges this gap by offering a cloud-based platform that allows organizations to continue using their legacy Windows applications without any redevelopment. Instead of being limited to outdated infrastructure, businesses can stream their applications from the cloud, ensuring access across multiple devices and operating systems. By doing so, companies can gain the flexibility, security, and performance required in modern environments while maintaining their core functionality. This whitepaper outlines how our solution can simplify IT management, reduce costs, and significantly improve operational agility.

Key Benefits

Cost-Effectiveness

One of the major challenges of modernizing legacy applications is the excessive cost of redevelopment. The process of rewriting or migrating legacy Windows applications to modern platforms often involves extensive resources, both financial and technical. Our cloud solution eliminates this need by enabling businesses to stream their existing applications as-is from the cloud. This approach avoids the need for expensive and time-consuming redevelopment projects while still unlocking all the benefits of cloud technology.

With a predictable, fixed per-user fee structure, our solution allows businesses to budget their IT costs more effectively. This eliminates the unpredictability associated with managing on-premise infrastructure, dealing with frequent updates, and troubleshooting issues unique to individual user environments. Our platform reduces the need for frequent manual interventions from the IT team, leading to lower operational expenses and fewer support tickets.



Cross-Platform Compatibility

In today's diverse work environments, employees require access to applications across a wide range of devices and operating systems. Legacy Windows applications are often restricted to older, Windows-based environments, making it difficult for organizations to support teams working remotely or using non-Windows devices like macOS, iOS, or Android.

Our solution breaks these limitations by providing complete cross-platform compatibility. Legacy applications can be accessed seamlessly on Windows, macOS, Linux, iOS, and Android devices through either native apps or browser interfaces. This ensures that employees can work from anywhere, on any device, without being tied to specific hardware or software environments. The ability to access critical applications across platforms boosts productivity, supports remote and mobile workforces, and reduces downtime caused by compatibility issues.



Scalability

Modern businesses need solutions that scale with their growth. Legacy infrastructure often lacks the ability to expand quickly, creating bottlenecks when companies grow or require additional resources. Traditional IT environments can be slow and expensive to scale, requiring new hardware, software, and significant IT intervention.

Our cloud solution is designed to scale effortlessly based on the specific needs of your business. Whether you need to add more users or increase your computing resources, our cloud platform allows for seamless expansion without the need for complex infrastructure upgrades. Organizations can easily adjust their usage, enabling them to quickly react to market changes or internal growth without facing delays in provisioning.

Security

Security is one of the primary concerns for organizations managing legacy applications. As these systems become more outdated, they often lack the security features necessary to protect against modern cyber threats. Additionally, deploying legacy apps in various client environments can expose organizations to security risks, as inconsistent configurations and firewalls may leave gaps in protection.

Our cloud solution offers built-in, end-to-end encryption, ensuring that all data transferred through the platform is secure. By utilizing standard ports and integrated security protocols, our solution overcomes many of the security system challenges that legacy applications face, ensuring compliance with industry standards such as GDPR and HIPAA. We also offer secure access via both native apps and browsers, with centralized security management to ensure that all users are protected by the latest updates and patches.



Simplified IT Management

Maintaining legacy applications often requires significant IT resources. Between managing updates, troubleshooting compatibility issues, and ensuring security, the burden on IT teams can be overwhelming. This complexity only increases as the user base grows and as applications are deployed across different environments.

Our solution simplifies IT management by offering centralized control over the entire application environment. All updates, patches, and security measures are handled from the cloud, ensuring that the latest versions are deployed automatically to all users. IT teams no longer need to worry about individual configurations or troubleshooting each user environment, freeing up resources for more strategic tasks. This centralized approach not only reduces operational overhead but also improves reliability and user experience.



No Redevelopment Required

Redeveloping legacy applications can be a daunting task. Businesses are often faced with the choice of continuing to use outdated software or investing heavily in redevelopment projects that can take months, or even years, to complete. In many cases, redevelopment is not feasible due to resource constraints, the complexity of the application, or a lack of expertise in modern software development.

Our cloud solution eliminates the need for redevelopment entirely. Businesses can continue using their legacy Windows applications without making any changes to the underlying code. By streaming the application from the cloud, we ensure that the software functions as intended while unlocking the benefits of modern cloud computing—such as scalability, security, and flexibility—without the need for a costly and time-consuming rewrite.

Compliance & Data Protection

With increasing regulations around data protection and privacy, businesses must ensure that their software complies with industry standards. Legacy applications often lack the built-in security measures required to meet these compliance requirements, making them vulnerable to data breaches and other security incidents.

Our platform adheres to the latest compliance and data protection standards, ensuring that businesses can meet regulatory requirements without additional effort. We offer full encryption of data both at rest and in transit, as well as regular backups to ensure business continuity in the event of an incident. Our solution is compliant with key regulations such as GDPR, HIPAA, and other industry-specific security frameworks, giving businesses peace of mind that their applications and data are fully protected.



Problem Statement

Legacy Applications in Modern Environments

Many businesses rely heavily on legacy Windows applications that were built for earlier generations of technology and business processes. While these applications remain essential to daily operations, they are increasingly ill-suited to the demands of modern work environments. As organizations strive to adopt more flexible, remote-friendly work models and support a variety of devices and platforms, legacy applications create significant challenges in terms of compatibility, scalability, and security.

Traditional legacy applications are often limited to specific operating systems (typically Windows) and require outdated infrastructure to function. This creates a rigid IT environment, making it difficult to adapt to current trends like BYOD (Bring Your Own Device), remote work, and mobile-first workflows. The result is a growing disconnect between the tools businesses need to thrive in modern environments and the capabilities of their legacy software.

In addition to compatibility issues, businesses also face escalating support costs. Legacy applications typically require more maintenance and troubleshooting than their modern counterparts, as they are prone to crashes, bugs, and security vulnerabilities. The diverse configurations in client environments often lead to unpredictable and costly support requests. Furthermore, many legacy applications rely on outdated security models, making them susceptible to attacks and limiting their ability to comply with current data protection regulations.

Current Pain Points

Compatibility Issues

Legacy applications are often limited to older versions of Windows operating systems, restricting their accessibility on newer platforms like macOS, Linux, iOS, and Android. This incompatibility prevents businesses from fully supporting remote workforces or mobile users, leading to reduced productivity and limited user flexibility.

Outdated Prerequisites

Many legacy applications depend on outdated software components, such as older versions of Windows, specific drivers, or legacy databases. This reliance on outdated prerequisites makes it difficult to deploy the applications on modern systems and increases the risk of incompatibility and performance issues.

High Support Costs

Maintaining legacy applications can be resource intensive. As these systems age, they require more frequent troubleshooting, updates, and patches. Businesses often face escalating support costs as they attempt to address the unique configurations and technical problems that arise when deploying legacy apps across diverse environments.

Security Systems

As businesses implement modern security systems and protocols to protect their data, legacy applications often struggle to comply. Security systems may block critical components of legacy apps, or the applications themselves may lack built-in encryption and data protection, exposing the organization to risk. Ensuring that legacy systems comply with new security frameworks and regulations requires significant effort and expertise.

The Need for Cloud Migration



Why Cloud?

Cloud computing has rapidly become the foundation of modern business operations, offering organizations unparalleled flexibility, scalability, and cost efficiency. With the ability to host applications, store data, and manage workflows in the cloud, businesses can eliminate the need for on-premise infrastructure and reduce the associated maintenance and support costs. Cloud-based systems provide access to software and data from any location or device, enabling remote work, mobile access, and real-time collaboration.

For organizations relying on legacy Windows applications, migrating to the cloud presents a unique opportunity. By transitioning these applications to a cloud-based environment, businesses can retain their existing functionality while gaining the benefits of modern IT infrastructure. Cloud migration enables businesses to reduce dependency on outdated hardware, simplify IT management, and support remote workers more effectively.

Challenges of Rewriting Legacy Apps

While the benefits of cloud computing are clear, the process of rewriting or redeveloping legacy applications for the cloud is often complex and expensive. Legacy applications are typically built on outdated codebases, using technologies that may no longer be supported. Rewriting these applications for modern platforms requires considerable time, effort, and technical expertise.

For many businesses, the process of redeveloping legacy apps involves completely overhauling the software architecture, which can be disruptive to daily operations. In addition, the excessive costs associated with redevelopment often make it an unattractive option, particularly for small and mid-sized businesses with limited budgets. Many organizations find themselves stuck in a difficult situation, wanting to take advantage of cloud benefits but unable to afford the time or resources needed for a full redevelopment project.

Our cloud-based solution eliminates these challenges by allowing businesses to migrate their legacy Windows applications without any redevelopment. Rather than rewriting the code, we enable businesses to stream their existing applications from the cloud, maintaining full functionality while unlocking the benefits of modern cloud computing.



Our Solution

Introduction to Our Cloud-Based Streaming for Legacy Windows Apps

Our cloud-based solution is designed to meet the needs of organizations struggling to modernize their legacy Windows applications. By offering a fully managed cloud platform, we allow businesses to stream their legacy applications from the cloud, eliminating the need for redevelopment. This approach preserves the full functionality of the existing software while delivering the flexibility, security, and scalability required in today's fast-paced business environment.

With our solution, businesses can access their legacy applications from any device, regardless of operating system. Whether through native apps or browser interfaces, users can enjoy seamless performance and full functionality across Windows, macOS, Linux, iOS, and Android. This makes it easier than ever to support remote work, mobile access, and cross-platform workflows, empowering businesses to operate more efficiently and effectively.

How It Works

Our cloud platform hosts legacy Windows applications in a secure, scalable environment. These applications are streamed to users' devices via the cloud, allowing full functionality and performance without requiring any changes to the underlying code.

Users can access their applications through either native apps or web browsers, depending on their device and preferences. All data and communications are encrypted to ensure security, and updates are managed centrally, ensuring that all users have access to the latest version of the application. The platform leverages cloud infrastructure to deliver high performance, reliability, and scalability, making it easy to adjust resources as needed.

In practice, this means businesses can continue using their legacy Windows applications while gaining all the benefits of modern cloud computing, such as reduced IT complexity, simplified updates, and enhanced security.



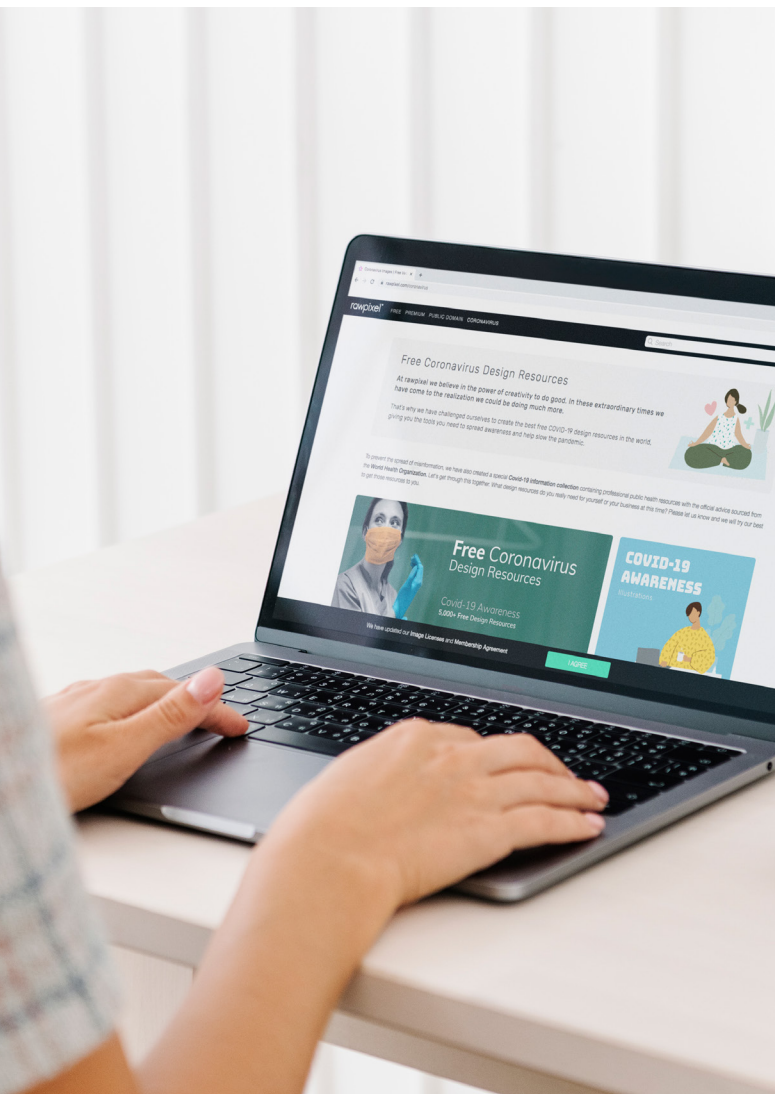
Benefits of Our Solution

No need for redevelopment

Redeveloping legacy applications from the ground up can be a daunting and resource-intensive process, often requiring extensive time and effort to migrate the application to a new architecture. This process also introduces potential risks, such as loss of functionality or prolonged downtime during the transition. For businesses with mission-critical applications, these risks and the substantial financial investment can create barriers to modernization.

Our solution circumvents these challenges entirely by eliminating the need for redevelopment. With our cloud-based streaming platform, businesses can continue using their legacy Windows applications without any modification to the existing code. This means there is no need to rebuild, redesign, or re-engineer the software. The application's functionality is preserved in its entirety, while leveraging modern cloud infrastructure to enhance performance, accessibility, and security.

By removing the redevelopment requirement, organizations can avoid the excessive costs and disruptions often associated with traditional migration methods. This allows companies to focus on strategic growth and innovation without being bogged down by complex redevelopment projects. Moreover, the cloud infrastructure we provide enables these applications to function seamlessly across modern devices, ensuring business continuity and operational efficiency.



Native and browser access

Accessibility across platforms and devices is crucial in today's fast-moving, distributed work environments. Employees are no longer limited to working from desktop computers within the office; instead, they require access to critical applications from multiple devices, including laptops, tablets, and smartphones. This is especially important in industries where employees need to work remotely or while traveling.

Our solution offers both **native app** and **browser-based access** to legacy Windows applications, ensuring users can interact with the software on any device. The **native applications** provide users with the full, rich functionality of legacy software on platforms like iOS, Android, Windows, macOS, and Linux. This flexibility ensures that users are not restricted by their operating system or device type, making it easier to accommodate diverse work environments.

In addition to native apps, our platform also supports **browser-based access** via any modern web browser. This means users can access their applications without the need to install additional software, which is particularly beneficial for environments where installing software is restricted, such as in highly secure industries or when accessing applications from shared or public devices. This dual access model maximizes user flexibility, improves productivity, and simplifies access for a global workforce.

Centralized updates

Maintaining up-to-date software is critical for both performance and security. In traditional on-premise environments, managing updates for legacy applications can be an arduous process, requiring manual intervention, server downtime, and coordination across various departments. Businesses that rely on outdated versions of software are exposed to security vulnerabilities and operational inefficiencies, as the software may no longer be compatible with newer technologies or devices.

Our cloud platform addresses these challenges by offering **centralized updates** and maintenance, eliminating the need for manual patching and version control. This centralized system ensures that every user is always operating with the most current version of the application, regardless of their location or device. By automating the update process, businesses can ensure that their legacy applications remain secure, compatible, and fully functional without placing additional burdens on the IT team.

Centralized updates also improve compliance with industry regulations, as businesses can rapidly apply patches and security enhancements to ensure continuous alignment with regulatory standards. In addition, it reduces the risk of downtime caused by update delays or failures, enabling businesses to operate more smoothly and efficiently.

Fixed per-user cost structure

Budgeting for IT operations can be unpredictable, especially when maintaining legacy infrastructure. Costs associated with hardware maintenance, software licensing, and on-site support can fluctuate, leading to financial unpredictability. Moreover, as businesses grow, scaling their IT operations to accommodate additional users often incurs significant incremental costs.

Our solution offers a **fixed per-user fee structure**, allowing businesses to predict and control their IT expenses with greater accuracy. By standardizing costs on a per-user basis, companies can easily budget for the deployment of their legacy applications and plan for future growth without worrying about unexpected expenses related to infrastructure upgrades, support, or troubleshooting.

This cost model is highly scalable, making it suitable for businesses of all sizes, from small teams to large enterprises. Organizations only pay for what they need, and as they scale, the costs remain manageable and transparent. By offering predictable pricing, we help businesses avoid financial strain and allocate resources more effectively.



Integrated security and compliance

As cyber threats evolve, ensuring the security of legacy applications is paramount. Many older applications lack the built-in security features needed to protect sensitive data, particularly when those applications are deployed in environments that are no longer supported by modern security tools. Furthermore, businesses must comply with increasingly stringent regulatory standards, particularly in industries such as finance, healthcare, and technology.

Our platform includes **end-to-end encryption** and **multi-layered security features** designed to safeguard data during transmission and storage. All communications between the user and the cloud-hosted application are encrypted using **TLS (Transport Layer Security)**, ensuring that data cannot be intercepted by unauthorized parties. Additionally, the platform is protected by **security system policies, intrusion detection systems, and multi-factor authentication (MFA)**, providing robust defense against cyberattacks.

Compliance is equally critical, and our platform is designed to meet a wide range of regulatory requirements. We adhere to industry-leading standards, including:



GDPR (General Data Protection Regulation)

Ensures that all data privacy requirements for organizations operating within the EU are met, protecting customer and employee information.

HIPAA (Health Insurance Portability and Accountability Act)

Guarantees that healthcare organizations handling patient data comply with strict privacy and security rules.

ISO/IEC 27001

Provides a framework for establishing, implementing, maintaining, and continuously improving information security management systems (ISMS).

SOC 2 (Service Organization Control 2)

Focuses on non-financial reporting controls related to security, availability, processing integrity, confidentiality, and privacy.

PCI DSS (Payment Card Industry Data Security Standard)

Ensures secure handling of credit card information for organizations involved in payment processing.

These certifications and frameworks ensure that businesses across various industries can trust our platform to meet their security and compliance needs. Whether handling sensitive healthcare records, financial transactions, or personal data, our solution provides the necessary safeguards to keep data secure and compliant with global standards.

Key Features and Capabilities

Cross-Platform Support

The ability to access critical applications from any device or operating system is crucial in today's mobile-first, distributed work environment. Legacy Windows applications, however, are often limited to specific versions of Windows, forcing organizations to rely on outdated infrastructure or limiting their workforce's flexibility.

Our solution provides **comprehensive cross-platform support**, enabling legacy Windows applications to run seamlessly on modern operating systems, including **Windows, macOS, Linux, iOS, and Android**. Whether through native apps or web browsers, users can interact with their legacy applications from a variety of devices, including desktops, laptops, tablets, and smartphones. This ensures that organizations can accommodate diverse work environments, enabling employees to work remotely or on the go without losing access to essential tools.

Cross-platform support enhances business agility, allowing organizations to adopt **BYOD (Bring Your Own Device)** policies without compromising productivity. Employees can access applications on the device of their choice, reducing dependency on specific hardware or operating systems. Additionally, businesses with a global workforce can provide consistent access to applications across regions and time zones, improving collaboration and communication.

Built-in Security

Security is a primary concern for organizations using legacy applications, particularly those handling sensitive data in industries like finance, healthcare, and technology. Legacy applications are often susceptible to security vulnerabilities, as they were not designed with modern cybersecurity threats in mind. This creates potential risks for businesses, especially when those applications are exposed to the internet or are accessed from remote devices.

Our platform integrates **multi-layered security features** that protect legacy applications from unauthorized access and cyberattacks. Key security measures include:

End-to-End Encryption

All data transmitted between users and the cloud-hosted application is encrypted using **AES-256 encryption**, ensuring that sensitive information remains protected from interception.

Secure Ports and Protocols

Our platform uses **standard, secure ports** (such as HTTPS and SSH) to avoid conflicts with firewalls and security systems, ensuring consistent access while protecting against external threats.

Firewall and Intrusion Detection Systems

Our platform is secured by **advanced firewalls** and **intrusion detection systems (IDS)**, which monitor for and prevent unauthorized access attempts or malicious activity.

Multi-Factor Authentication (MFA)

Ensures that only authorized users can access the system, adding an additional layer of security to prevent unauthorized access.

Zero Trust Architecture

Our solution follows the **Zero Trust** security model, meaning that no user or device is trusted by default, regardless of whether they are inside or outside the network. This model requires continuous verification of user identities and device status before granting access to the application.

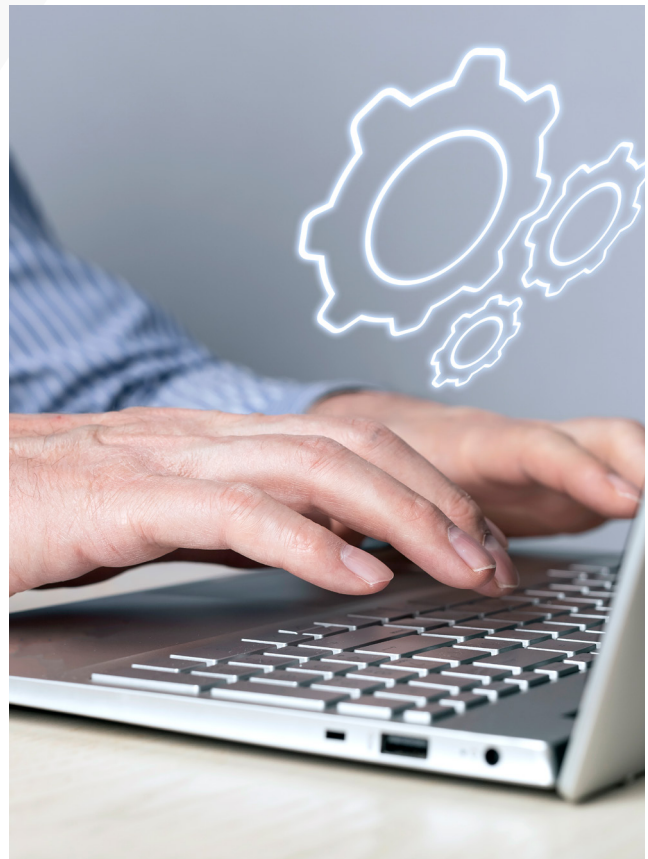
By incorporating these security measures, our platform ensures that legacy applications are fully protected, even when accessed from remote devices or over the internet. This allows businesses to extend their legacy applications to a broader user base without compromising security or compliance.

Automated Updates & Maintenance

Maintaining legacy applications often requires significant manual intervention, particularly when updating software or applying security patches. Traditional software updates involve extensive testing, coordination with various departments, and sometimes downtime, all of which can be costly and disruptive to business operations.

Our solution streamlines this process by offering **automated updates** and maintenance, ensuring that legacy applications remain up to date without the need for manual oversight. Updates, including security patches and new features, are deployed centrally through the cloud, ensuring that all users are automatically upgraded to the latest version. This reduces downtime, minimizes security vulnerabilities, and allows IT teams to focus on more strategic tasks.

In addition to simplifying updates, our platform offers **predictive maintenance** capabilities. By continuously monitoring the performance and usage of applications, our system can detect potential issues before they become critical, allowing businesses to address performance bottlenecks or resource limitations proactively. This reduces the risk of unexpected downtime and improves the overall reliability of legacy applications.



Scalability & Performance

As businesses grow and evolve, their IT infrastructure must scale to meet new demands. Legacy applications, however, are often limited by the underlying hardware and infrastructure, making it difficult for businesses to scale without significant investment in new servers, software, and IT resources.

Our cloud platform is designed to scale effortlessly, enabling businesses to adjust their usage and resource allocation in real-time. Whether you are expanding your user base, adding new locations, or increasing the complexity of your workflows, our solution can scale to meet your needs without requiring additional infrastructure. This elastic scalability ensures that your applications remain responsive and high performing, even during periods of increased demand.

Performance is a key consideration for any business, and our cloud platform is optimized for high availability and low latency. By leveraging cloud infrastructure, we ensure that applications are always available, regardless of user location, and that they perform efficiently even under heavy loads. With load balancing and auto-scaling capabilities, our platform distributes resources dynamically, ensuring that applications remain stable and responsive even during peak usage.

Use Cases

Legacy Windows applications are critical to the operations of many industries, including finance, health-care, manufacturing, and beyond. These applications often manage complex workflows, sensitive data, and industry-specific processes that are essential to the organization's success. However, due to their outdated nature, they can struggle to keep pace with modern technology requirements, particularly in environments that demand remote access, mobile compatibility, and enhanced security.

Our cloud-based solution addresses these challenges by enabling seamless access to legacy applications on modern platforms. Through our platform, organizations can continue using their trusted legacy software while gaining the benefits of cloud technology, such as scalability, security, and flexibility. Below are detailed examples of how various industries can leverage our solution to modernize their operations without the need for costly redevelopment.

Typical Use Cases

Finance

Financial institutions manage extremely sensitive and mission-critical data across various functions such as accounting, auditing, trading, risk management, and transaction processing. Many of these financial applications, including custom accounting systems, portfolio management tools, or proprietary auditing software, were built for earlier versions of Windows and lack the integration capabilities necessary for today's modern IT ecosystems. These legacy financial applications often need to run on outdated infrastructure and have trouble supporting remote work, multi-platform access, and stringent compliance requirements.

Our solution offers a secure, cloud-based alternative that ensures financial institutions can continue to use their existing legacy applications while gaining access to the following benefits:



Regulatory Compliance

Financial institutions are subject to strict regulations such as **GDPR, SOX (Sarbanes-Oxley Act), PCI DSS (Payment Card Industry Data Security Standard),** and **FINRA (Financial Industry Regulatory Authority).**

Our solution integrates built-in security features like **encryption, audit trails, and user activity monitoring** to ensure that financial applications meet these regulations, ensuring safe data storage and secure financial transactions.



Real-Time Access

With our cloud-based platform, financial data can be accessed in real time from any device, regardless of whether employees are working on a desktop in the office or remotely on a mobile device.

This enhances decision-making, enables real-time financial analytics, and facilitates collaboration between geographically distributed teams.



Cross-Platform Accessibility

Financial institutions often rely on employees using a variety of devices, such as Windows workstations in offices and macOS laptops or iOS devices when working remotely.

Our solution ensures that financial applications can be accessed securely and seamlessly across all these platforms.

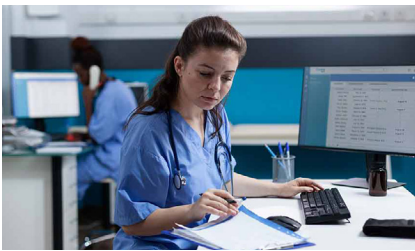
Healthcare

The healthcare sector is another industry that relies heavily on legacy applications to manage critical processes such as **patient records, billing, scheduling, and prescription management**. Many healthcare organizations use Electronic Health Record (EHR) systems or Hospital Information Systems (HIS) that were built decades ago but remain core to their operations. These systems are essential for managing sensitive patient data, tracking medical history, and coordinating care across departments.

However, the healthcare industry also faces some of the strictest regulatory standards, including **HIPAA (Health Insurance Portability and Accountability Act)** and **HITECH (Health Information Technology for Economic and Clinical Health Act)**. Ensuring compliance with these regulations while managing legacy applications can be a significant challenge, especially when it comes to protecting patient data and ensuring secure access for remote healthcare workers.



Our cloud-based solution for healthcare providers offers:



HIPAA & HITECH Compliance

Our platform includes **end-to-end encryption, secure access controls, audit logging, and data protection features** that are fully compliant with HIPAA and HITECH regulations.

This ensures that patient data is kept confidential and protected from breaches, whether accessed locally or remotely.



Remote Access for Medical Staff

As telehealth services become more prevalent, healthcare professionals need access to patient data from remote locations.

Our solution enables secure remote access to legacy healthcare applications through **native apps and web browsers**, ensuring that doctors, nurses, and administrative staff can work efficiently without being tied to outdated on-premise systems.



Interoperability with Modern Systems

Many healthcare organizations are moving toward more modern EHR systems, but they still rely on older applications for certain processes.

Our platform supports the **interoperability** of legacy systems with newer software, allowing healthcare organizations to modernize gradually without completely overhauling their entire IT infrastructure.

Manufacturing

In the manufacturing sector, legacy applications are often used to manage crucial operations such as inventory management, production planning, quality control, and supply chain coordination. These applications are vital to ensuring smooth production workflows, tracking materials, managing production schedules, and coordinating with suppliers and customers. However, many of these systems were developed for older versions of Windows and struggle with scalability and integration into modern IT infrastructures.

Manufacturers also face the challenge of increasing their operational flexibility, particularly as they scale up production or expand into new markets. Traditional manufacturing applications may not be able to support this growth effectively, leading to performance bottlenecks and downtime.



Our solution for manufacturing companies offers:



Enhanced Scalability

As manufacturers grow, their IT infrastructure must scale to support larger production volumes, more complex supply chains, and additional users.

Our cloud platform allows manufacturing companies to **scale their legacy applications** dynamically, enabling them to expand production without investing in new hardware or infrastructure upgrades.



Improved Accessibility

Manufacturing companies often need to access their systems from remote warehouses, factories, or distribution centers.

Our solution ensures that manufacturing teams can access critical applications from **any location**, enabling better communication between departments and ensuring that production schedules remain on track.



Cloud-Enhanced Performance

Manufacturing systems need to process substantial amounts of data in real time to track production output, manage inventory, and monitor quality control.

Our platform provides **high-performance cloud infrastructure** that ensures legacy systems can handle the demands of modern manufacturing environments without the risk of downtime or data loss.

Industry-Specific Challenges

While the use cases across finance, healthcare, and manufacturing highlight the general benefits of our solution, each of these industries also faces unique challenges that must be addressed to ensure the successful transition of legacy applications to the cloud. Our solution is designed to address these challenges head-on, providing tailored support for industry-specific requirements.

Finance

The financial services industry must operate within a highly regulated environment that mandates strict data protection, auditability, and transparency. Financial institutions face significant challenges when attempting to modernize legacy systems due to the need for continuous compliance with global standards and regulations such as:



GDPR (General Data Protection Regulation)

Ensures the secure processing and storage of customer data, especially for organizations operating within the EU or handling the personal data of EU residents.

SOX (Sarbanes-Oxley Act)

Mandates that financial institutions provide accurate financial disclosures, requiring built-in auditability and traceability within financial applications.

PCI DSS (Payment Card Industry Data Security Standard)

Enforces strict guidelines for companies handling credit card transactions, including secure storage of cardholder information and encryption of sensitive data.

FINRA (Financial Industry Regulatory Authority)

Requires financial institutions to maintain secure, compliant systems for managing trading, reporting, and transaction data.

Our solution ensures that legacy financial applications meet these regulatory requirements by providing robust encryption, comprehensive access control, audit trails, and real-time monitoring. This allows financial institutions to continue using their existing applications while remaining compliant with the latest industry standards.

Healthcare

Healthcare providers face significant challenges in protecting sensitive patient data while maintaining seamless access to legacy systems. As healthcare organizations adopt modern electronic health record (EHR) systems, there is still a need to ensure interoperability between legacy applications and newer systems, particularly in complex hospital environments where data needs to flow smoothly between different departments and medical devices.

Key regulations for healthcare organizations include:

HIPAA (Health Insurance Portability and Accountability Act)

Protects sensitive patient health information from being disclosed without the patient's consent or knowledge.

HITECH (Health Information Technology for Economic and Clinical Health Act)

Encourages healthcare providers to adopt secure electronic health records while enhancing the protection of healthcare data.

Our solution ensures that healthcare organizations can maintain HIPAA and HITECH compliance across their legacy applications by offering role-based access control, data encryption, real-time monitoring, and audit trails. This enables healthcare providers to protect patient data while accessing and managing legacy systems across departments, enhancing care coordination and operational efficiency.

Manufacturing

Manufacturing companies often struggle to scale legacy systems as they grow or expand into new regions. This challenge is compounded by the need for real-time data processing across the entire supply chain, including materials tracking, production schedules, and supplier coordination. Manufacturers must ensure that their legacy applications remain **resilient and responsive** to market changes and production fluctuations.

Our solution provides manufacturers with the ability to **dynamically scale** their legacy applications to meet fluctuating production demands. Additionally, by migrating these systems to the cloud, manufacturers can gain **real-time access** to production data, improving efficiency and decision-making processes. Our solution also enhances **disaster recovery capabilities**, ensuring that critical production and inventory data are protected and can be recovered quickly in the event of a system failure.

Case Study

Fully Automated Deployment for Medical Software in the Cloud

A leading healthcare company faced significant challenges with its critical medical software, which was essential for daily operations such as patient management, medical record maintenance, and internal communication. However, the legacy nature of this software and its on-premise deployment made it difficult to scale and adapt to the evolving demands of modern healthcare. With increasing pressure to provide remote access to medical professionals, ensure regulatory compliance, and reduce IT operational costs, the company sought a solution that would modernize its infrastructure without disrupting core operations.

The company turned to we-IT GmbH to implement a fully automated cloud deployment of their medical software. This transition began by analyzing the existing infrastructure and determining how to replicate the same functionality in a secure cloud environment. The goal was to migrate the software in a way that maintained its operational integrity while making it accessible to remote workers and ensuring compliance with strict healthcare regulations, including HIPAA and other data privacy standards.

we-IT GmbH began by leveraging their automated cloud deployment framework, which allowed the healthcare provider to migrate the software seamlessly to the cloud. The framework enabled full automation of both deployment and updates, ensuring that the medical software was consistently up to date with the latest patches and security features. This approach minimized the need for manual intervention and drastically reduced the time required for deployment and ongoing maintenance. Through the automated process, the software could now be accessed by medical professionals from any device or location, allowing doctors and staff to securely access patient data remotely, enhancing the flexibility of healthcare services.

Security was a critical component of the solution, given the sensitive nature of medical data. The cloud infrastructure was designed to meet the highest standards of data protection, incorporating end-to-end encryption and secure access controls. By implementing these security measures, the company ensured that patient records remained fully protected while complying with international data protection regulations.

The results were transformative for the healthcare provider. With the software now fully accessible via the cloud, the organization experienced significant improvements in operational efficiency. IT costs were reduced by 40% due to the automation of maintenance and updates, while the availability of the software increased, enabling medical staff to provide better care with fewer technical disruptions. Furthermore, the healthcare provider was able to scale its services easily, adding additional users and expanding its operations without the constraints of legacy infrastructure.

The transition to the cloud not only optimized the company's IT operations but also positioned it to meet future challenges in the healthcare industry. With an agile, secure, and compliant cloud infrastructure in place, the healthcare provider is now well-equipped to handle both the growing demands of patient care and the evolving regulatory landscape.

Technical Details

Cloud Architecture Overview

Our platform is built on a secure, scalable Windows backend, equipped with advanced application streaming capabilities that ensure legacy Windows applications are seamlessly transitioned to the cloud without any loss in functionality. The architecture leverages modern cloud infrastructure to deliver high-performance access to applications, whether they are accessed from a desktop computer in a traditional office environment or from mobile devices in remote locations. By adopting a cloud-first strategy, we eliminate the need for organizations to maintain on-premise servers and associated hardware, which are often costly to update and difficult to maintain.

Cloud architecture is designed to accommodate the unique demands of legacy applications, many of which were developed years ago using outdated technologies. These applications are often critical to business operations, yet their reliance on older infrastructure presents significant challenges in terms of scalability and remote accessibility. Our platform addresses these issues by virtualizing the legacy applications and hosting them on modern cloud servers, ensuring that they retain full functionality while benefiting from the flexibility and resilience of the cloud.

At its core, the platform is built to provide **robust performance** by distributing workloads across multiple servers and data centers. This multi-layered infrastructure enables the platform to handle spikes in demand, ensuring uninterrupted access to applications even during periods of peak usage. The dynamic allocation of computing resources further ensures that applications perform consistently, whether they are being accessed by a handful of users or by a global workforce spread across different time zones. Additionally, the architecture is designed for **high availability**, meaning that downtime is minimized through built-in redundancy and failover systems. In the event of a server failure or outage, traffic is automatically rerouted to backup servers, ensuring that end users experience no disruption in service.

Furthermore, the platform integrates advanced **load balancing techniques** to distribute traffic and computing tasks evenly across servers, preventing bottlenecks and ensuring optimal application performance. As businesses grow or experience fluctuating demand, the platform scales effortlessly, accommodating new users and increased data loads without the need for additional hardware investment. This ensures that organizations can scale their legacy applications alongside their evolving operational needs without sacrificing performance or reliability.

Security Protocols

Security is a fundamental pillar of our cloud solution, particularly given the sensitive nature of the data that legacy applications often handle. Our platform incorporates **industry-leading security protocols** to ensure that data is fully protected, both while it is at rest in the cloud and when it is in transit between the cloud and end-user devices. By leveraging **AES-256 encryption**, we ensure that all sensitive information remains secure, whether it is being accessed by employees, customers, or external partners. This encryption standard is one of the most advanced available, providing a level of security that meets the requirements of even the most regulated industries, such as healthcare, finance, and government.

Beyond encryption, the platform includes **multi-factor authentication (MFA)**, which adds an extra layer of security by requiring users to verify their identity using more than just a password. MFA helps prevent unauthorized access to sensitive applications, even in cases where passwords are compromised, by requiring additional authentication factors such as a mobile app or hardware token.

The platform is also designed with **zero trust security** principles in mind. This means that users and devices are not automatically trusted simply because they are within the network. Instead, every access request is thoroughly verified, authenticated, and authorized before being granted, further reducing the risk of unau-

thorized access. The platform employs role-based access controls (RBAC), ensuring users only have access to the data and applications relevant to their specific roles within the organization. This minimizes the potential for accidental data exposure or intentional misuse.

We also implement **comprehensive logging and monitoring** features, which ensure that every access event, user action, and system change is logged and monitored in real-time. This auditability is crucial for meeting the compliance requirements of various industries, as it provides businesses with a full record of system activity. In the event of a breach or suspicious activity, the platform's **intrusion detection systems (IDS)** alert administrators, enabling rapid responses to mitigate the threat. Additionally, automatic **backups** are performed at regular intervals, ensuring that data is never lost, and that recovery is possible in the event of accidental deletion or malicious attack.

Our platform is designed to comply with all major data protection regulations, including **GDPR (General Data Protection Regulation)**, **HIPAA (Health Insurance Portability and Accountability Act)**, **PCI DSS (Payment Card Industry Data Security Standard)**, **SOC 2 (Service Organization Control 2)**, and **ISO/IEC 27001**. These certifications guarantee that businesses operating within highly regulated environments can confidently migrate their legacy applications to the cloud while maintaining compliance with all necessary data privacy and security standards.

Compatibility Requirements

One of the key advantages of our platform is its extensive compatibility with a wide range of devices and operating systems. While the backend is optimized for Windows applications, businesses can access their legacy software from any device, including desktops, laptops, tablets, and smartphones. The platform supports both **native app access** and **browser-based access**, allowing users to choose the method that best fits their workflow and device capabilities.

Whether accessed via a native application or through a browser, the platform ensures a consistent and seamless experience for end users. The **native apps** are designed to deliver full functionality on devices running **Windows, macOS, iOS, Linux, and Android**, ensuring that users can access the applications they need, regardless of the hardware they use. For organizations that operate in a **Bring Your Own Device (BYOD)** environment, this flexibility is particularly valuable, as it enables employees to work from any location using their personal devices while still maintaining secure access to business-critical applications.

In environments where it is not feasible to install native applications, our platform's **browser-based access** provides a robust alternative. Users can simply log in to their applications via any modern web browser, with no need to install additional software. This is particularly useful in highly secure or shared environments, such as hospitals, libraries, or public workspaces, where installing software may not be permitted.

In addition, the platform uses **standard ports** such as HTTPS (port 443) to ensure compatibility with existing firewalls and security systems. This avoids common issues where firewalls block certain types of traffic or require complex configuration adjustments to allow external access to applications. The platform's architecture is designed to minimize the need for these adjustments, ensuring a smooth integration into existing IT environments without compromising security or performance.



ROI & Cost-Effectiveness

Cost Savings

Migrating legacy applications to the cloud can often be a daunting and costly process, particularly when redevelopment is required. The expense of hiring developers, reengineering the applications, and ensuring the functionality remains intact can make the process prohibitive for many businesses. Our solution provides a more cost-effective alternative, allowing businesses to **migrate their legacy applications without the need for redevelopment**. By avoiding the expenses associated with re-architecting legacy applications, organizations can realize significant cost savings.

With our **fixed per-user pricing model**, businesses gain the ability to forecast IT costs with precision. Unlike traditional on-premise systems, where unexpected costs related to server maintenance, infrastructure upgrades, or additional support staff can create budget unpredictability, our cloud solution offers predictable pricing that aligns with the organization's usage. As businesses grow, the per-user fee structure ensures that costs scale linearly, without requiring significant investments in additional hardware or IT personnel.

Moreover, the **streamlined management** and **automated updates** provided by our platform significantly reduce the need for IT support, further contributing to long-term cost savings. Legacy applications are often complex and require specialized knowledge to maintain. By migrating these applications to our managed cloud platform, organizations can reduce their dependency on expensive IT consultants or internal staff dedicated to managing outdated systems. The elimination of manual updates, security patching, and troubleshooting also translates into fewer operational disruptions, allowing businesses to maintain productivity and reduce downtime.

Lowering IT Complexity

The complexity of managing on-premise IT infrastructure can be a significant burden for many businesses, particularly those that are still reliant on legacy systems. With traditional infrastructure, businesses must maintain physical servers, handle backups, manage software licenses, and ensure security protocols are up to date. This often results in **increased IT overhead**, requiring considerable time and resources from internal teams or external service providers.

By moving to a **managed cloud service**, businesses can **drastically reduce the complexity** of their IT operations. Our platform eliminates the need for on-premise servers, offloading the responsibility for infrastructure maintenance and upgrades to our cloud environment. This frees up IT resources to focus on more strategic initiatives, such as improving user experience, innovating new products, or enhancing operational workflows.

The **centralized management** provided by our platform further simplifies the administrative burden. With all updates, backups, and security patches handled automatically, businesses no longer need to manually schedule maintenance windows or worry about potential security vulnerabilities. This not only reduces downtime but also ensures that applications remain compliant with the latest security standards. The centralized control panel provides administrators with real-time insights into system performance, security events, and user activity, allowing them to manage their entire IT environment from a single interface.

Additionally, the move to a cloud-based infrastructure improves overall **productivity** by reducing system downtime and minimizing the risk of hardware failure. With on-premise servers, businesses are often vulnerable to hardware malfunctions, power outages, or system crashes, all of which can result in costly interruptions to business operations. Our platform mitigates these risks by leveraging a distributed, cloud-based architecture that ensures high availability and quick disaster recovery.

Competitive Advantage

Our cloud solution stands apart in the market as a comprehensive and highly flexible option for businesses seeking to modernize their legacy Windows applications. Unlike many competing solutions, which require organizations to completely redevelop their applications for the cloud, our platform allows businesses to **retain the full functionality of their legacy applications without redevelopment**. This is a significant advantage for organizations that rely on custom-built legacy software, as it eliminates the need for costly reengineering projects that could disrupt business operations.

Moreover, our platform is one of the few solutions that provides **full cross-platform support**, enabling businesses to access their legacy applications from a wide range of devices, including **Windows, macOS, iOS, Android, and Linux**. This level of flexibility is crucial for organizations with a diverse and distributed workforce, as it ensures that employees can access the tools they need regardless of their location or device preferences.

The platform's **scalability** is another key differentiator. Unlike traditional on-premise systems, which often require expensive hardware upgrades or complex licensing arrangements as the business grows, our cloud platform scales effortlessly with the organization's needs. Businesses can add or remove users, increase, or decrease computing resources, and accommodate fluctuations in demand without significant financial or operational impact.

Lastly, our platform's **fixed pricing model** ensures cost predictability, while its **built-in security and compliance features** provide peace of mind for businesses operating in highly regulated industries. Many competitors either lack these features or charge additional fees for compliance management, making our solution a more cost-effective and reliable option for businesses of all sizes.

Conclusion

Our cloud solution offers businesses a way to modernize their legacy Windows applications without the need for costly redevelopment or complex IT management. By enabling **secure, scalable, and flexible access** to legacy applications from any device, we provide organizations with the tools they need to thrive in today's dynamic business environment. The platform's **centralized management, built-in security, and compliance with industry standards** ensure that businesses can continue to leverage their existing software investments while reducing IT complexity and operational costs.

For businesses looking to future-proof their legacy applications and reduce the burden of managing outdated infrastructure, our cloud solution is the ideal choice. Contact us today for a demo or consultation and discover how our platform can help your organization transition to the cloud, unlock new efficiencies, and drive growth.

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