



REPORT

THE 2025 STATE OF LEGACY DEVELOPMENT & MODERNIZATION

A Data-Driven Look at Trends, Challenges, and Future Strategies

Presented By

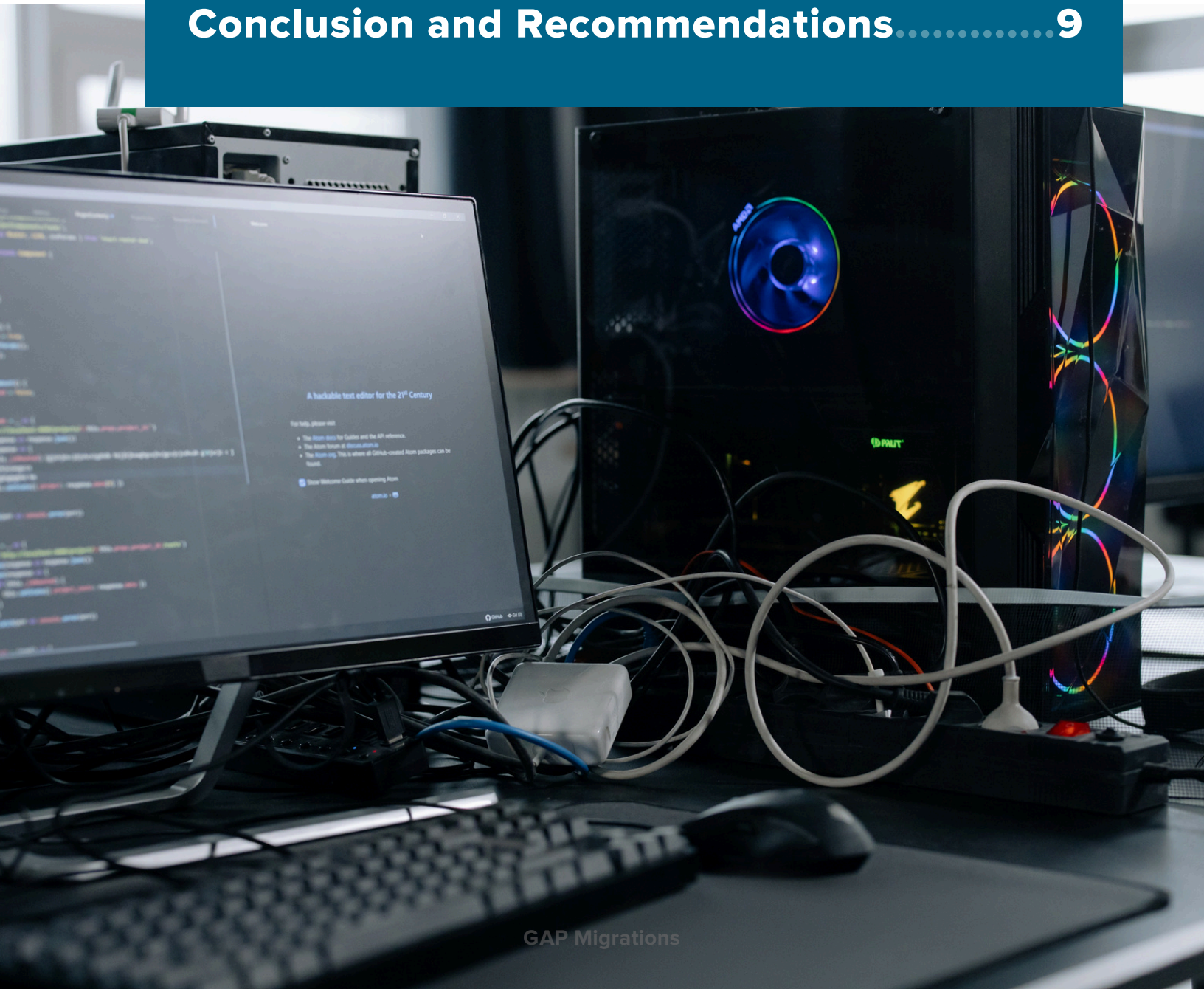


GAP
MIGRATIONS



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What Legacy Technologies are Still in Use?

Many businesses still rely on legacy technologies like Visual Basic 6.0 and PowerBuilder, often due to cost, stability, and familiarity. While these systems may no longer align with modern development practices, they continue to support critical business operations, making immediate replacement challenging.

Organizations across various industries face the dilemma of maintaining these outdated platforms or investing in modernization efforts. Despite their limitations, legacy systems remain deeply embedded in workflows, underscoring the need for strategic planning when considering upgrades or migrations.

92%

of respondents are still using legacy desktop technologies such as **VB6, VB.NET, PowerBuilder and Classic ASP**

71%

of respondents say that the primary reason they struggle to modernize their legacy application is due to **time**

WHAT PREVENTS COMPANIES FROM MODERNIZING?



Time Investment

Migration projects take time, often disrupting daily operations. With teams already stretched thin, dedicating resources to a long, complex transition feels overwhelming, leading businesses to postpone the inevitable.



Modernization Cost

Modernization requires a significant upfront investment in development, infrastructure, and training. While the cost of inaction adds up over time, many businesses hesitate due to budget concerns.



Lack of Resources

Legacy systems need specialized skills, but experienced developers are becoming harder to find. Without in-house expertise or affordable external support, companies feel stuck between maintaining the old and navigating the unknown.



Primary Risk Factors



Maintenance & Support

Legacy systems require constant patches, outdated hardware, and specialized expertise, driving up IT expenses.



Security & Compliance Risks

Older applications lack modern protections, making them easy targets for cyberattacks and costly compliance failures.



Reduced Productivity & Downtime

Frequent downtime, slow performance, and lack of modern integrations reduce productivity and increase support costs.

The Unknown Costs of Maintaining Legacy Applications

Maintaining a legacy application may seem cost-effective, but the longer you wait, the more expensive and risky it becomes. Security threats escalate as outdated systems lack modern protections, and with 68% of companies experiencing breaches* tied to legacy software, the risk is real. Compliance issues add another layer of exposure, leading to potential fines and legal trouble.

Beyond security, operational inefficiencies creep in—compatibility issues, rising maintenance costs, and lack of expertise make legacy systems harder to sustain. The longer businesses delay migration, the more complex and costly it becomes, turning what feels like a safe choice into a growing liability.

*Security Magazine





Why Modernize?

Modernization isn't just about leaving outdated technologies behind—it's about preparing for the future. Businesses want to break free from legacy constraints that slow them down, whether it's security risks, high maintenance costs, or the dwindling pool of developers who understand aging code.

But more importantly, they want to embrace what's next: scalable cloud solutions, flexible web and mobile applications, and modular architectures like microservices that drive innovation. By modernizing, companies aren't just fixing old problems—they're creating new opportunities for growth, agility, and long-term success in an ever-evolving digital world.

41%

of respondents are seeking to modernize their legacy apps in the **next 12 months**

1

Scalability

Businesses need flexible, cloud-native solutions that scale effortlessly with growth and demand

2

Customer Experience

Modern applications enhance accessibility, responsiveness, and user engagement

3

Innovation & Agility

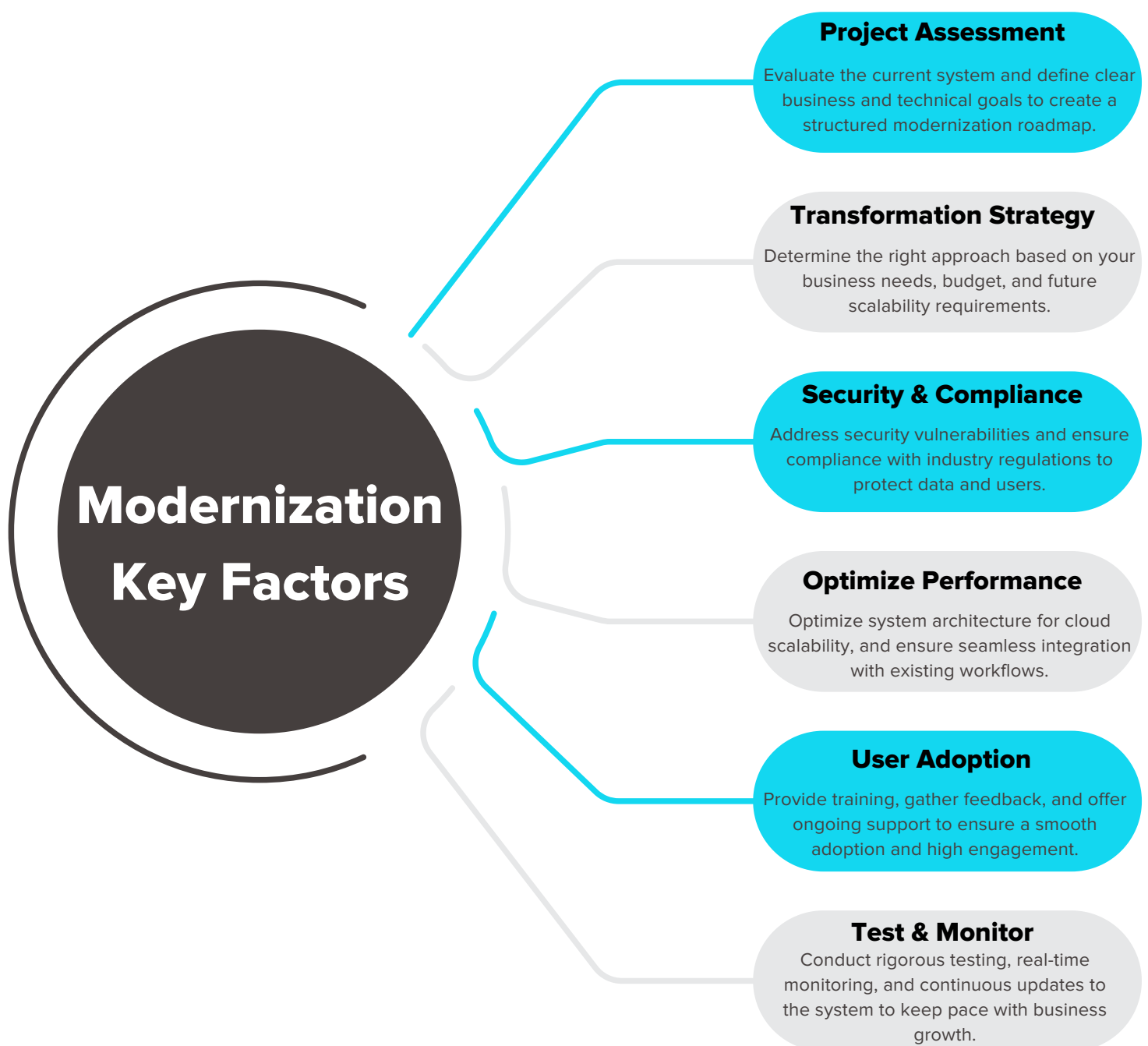
Modernized systems improve interoperability, enable faster development, and support evolving business needs





Key Factors for a Successful Modernization

A strategic approach to modernization ensures businesses maximize ROI, minimize disruptions, and align technology upgrades with long-term goals. Without a clear plan, companies risk wasted resources, extended downtime, and compatibility issues that hurt productivity and profitability. Modernization isn't just about upgrading technology—it's about building a scalable, resilient foundation for future growth and innovation.





Web Technologies Take Center Stage

A web application offers businesses greater accessibility, flexibility, and cost efficiency compared to traditional desktop software. Unlike desktop applications, which require installation and updates on individual devices, web apps run through a browser and can be accessed from anywhere with an internet connection. This eliminates compatibility issues, reduces IT maintenance costs, and enables real-time collaboration across teams.

Businesses move to the web to improve user experience, streamline operations, and stay competitive in an increasingly digital world. Whether it's expanding remote work capabilities, reaching a broader customer base, or integrating with modern cloud services, web applications provide the accessibility and agility that today's businesses need to grow and innovate.

60%

of respondents said that **web technologies** were their top priorities for their future roadmap

The Top Web Frameworks Used By Organizations

Angular	38%
React	37%
Blazor	32%

STRATEGIC BENEFITS OF A WEB MODERNIZATION



Future Proofing Innovation

Modern web architectures enable seamless integration with AI, automation, and cloud-native services, ensuring that IT investments align with long-term digital transformation strategies.



Agility for Business Growth

Modern web platforms can help drive faster deployment cycles, support agile development, and leverage data-driven insights to enhance customer experiences and business outcomes.



Optimized Cost & Risk Management

Migrating to a modern web application with a secure environment reduces technical debt, minimizes cybersecurity vulnerabilities, and ensures compliance with evolving regulatory requirements like GDPR and HIPAA.



Embracing a Cloud-First Future



57%

of respondents said that **cloud technologies** were in the top 2 priorities for their future roadmap

Cloud adoption is no longer an aspirational concept—it's the reality for 92% of enterprises that have already woven cloud technologies into their operations. And it's no surprise why.

The cloud delivers agility, scalability, and cost efficiency, freeing businesses from rigid infrastructure and enabling faster innovation. With a pay-as-you-go model, companies optimize resources while staying secure with enterprise-grade protections. In a world where digital transformation defines success, the cloud isn't just an advantage—it's a necessity.

Cloud Modernization Benefits

1

Flexibility

The pay-as-you-go model optimizes cost efficiency and allows business to scale resources up and down as needed.

2

Security & Reliability

Cloud providers offer advanced security, along with built-in redundancies for greater reliability and uptime.

3

Innovation

By offloading infrastructure maintenance & costs, the company can direct resources to focus more on growth objectives.



The Right Approach Makes All the Difference

Legacy modernization is no longer a question of if, but how—yet, for many organizations, the biggest roadblocks remain time, cost, and resource constraints. Our survey confirms what IT leaders, developers, and business decision-makers already know: modernization is a priority, but executing it efficiently is the real challenge.

As businesses plan their future roadmaps, web and cloud technologies are taking center stage, reflecting a clear shift toward scalable, flexible, and innovative solutions. However, modernization doesn't have to be disruptive or cost-prohibitive. With the right approach, companies can reduce costs, accelerate timelines, and minimize risk—all without draining internal resources.

This is where expertise and automation make the difference. At GAP Migrations, our automated migration solutions are designed to remove complexity, cut costs, and speed up modernization without the inefficiencies of traditional approaches. Whether you're exploring your options, tackling a complex migration, or just wondering where to start, we're here to help. Modernization is inevitable—doing it efficiently is a choice. Let's make it a smart one.

Partner with GAP Migration Experts



Faster, Cost-Effective Migrations with our AI-Assisted Tools that provide up to 95% automation



Proven Expertise with 30+ Years in Legacy Application Migration



High quality code conversion that preserves business logic and generates clean, maintainable code

Our Solutions



VB6 & ASP to C#/.NET Conversions



Desktop to Web/Cloud Migrations with Blazor or Angular

All Solutions

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