

Top Five Takeaways:

# Application Modernization in the Public Sector

## Accelerating the journey to digital transformation

Tight budgets, growing cybersecurity concerns, and the challenge of maintaining legacy applications and infrastructures are overloading agency resources across federal, state, and local agencies. As a result, effective application modernization has transitioned from “nice to have” to “mission-critical” as agencies are increasingly under pressure to deliver a streamlined, secure digital experience.

Transitioning from legacy applications to a more modern, digital environment is key to delivering innovation, agility, security, and efficiency. Here are five key takeaways of an effective app modernization program:

### Innovation

Do more with less while keeping costs low. Modernization enables applications to run faster and more efficient while reducing the total cost of ownership by cutting the time and resources required to maintain and manage them.

Incorporating automation into the app delivery process will help to accelerate the build environment. Using automation to deploy and configure apps improves time to market as well as reduces risk and produces better business outcomes, leading to more innovation.

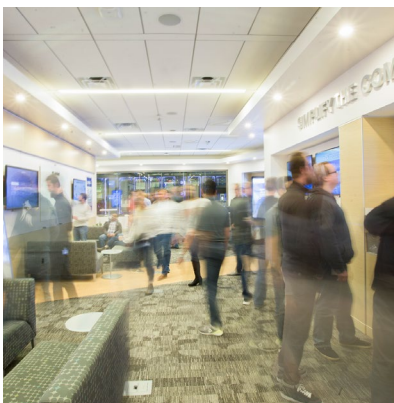
That innovation provides the confidence to operate in a way that has never been possible before. By implementing strategic automation and management solutions, agencies are able to streamline app development, delivery, and deployment across multi-cloud environments.

### Agility

Through the modernization of applications, agencies can become more agile and flexible. Modernizing legacy applications accelerates mission-critical innovation and makes app lifecycle management more manageable through a more agile and secure architecture.

Moving away from hardware and into software or cloud-based management makes apps more scalable and easier to update – ultimately saving money by eliminating the need to purchase new hardware to update systems.

This improves mission agility and effectiveness by modernizing and developing seamless, easy-to-use, and highly responsive applications, enabling users to fully engage with today’s digital world.





## Security

Protecting against breaches is a significant concern for agencies that are frequently targeted by hackers, cybercriminals, and nation-state actors. Agencies need a flexible security posture in place to identify, react to, defend, and secure application threats in any environment at any time.

With approximately 90% of hacking-related breaches finding entry points through web applications, reducing reliance on outdated, insecure legacy applications could significantly reduce vulnerabilities. App modernization can better protect evolving security threats that impede mission success.

Mistakes happen, and the ability to secure modern applications quickly and efficiently is key. Automating security and performance policies into the code pipeline and employing DevSecOps can virtually eliminate post-deployment security vulnerabilities.

## Efficiency

Legacy applications are often prone to human error and are complex and static in nature. The fact that agencies are strapped with large amounts of legacy technology creates inefficient manual processes that do not integrate with each other.

Agencies can improve efficiency by consolidating the toolsets and platforms that their development teams use. App modernization reduces the total cost of ownership and decreases the time and resources required, all while running faster and more efficiently.

This improves mission agility and effectiveness by modernizing and developing seamless, easy-to-use, and highly responsive applications, enabling users to fully engage with today's digital world.

## Digital Experience

The growing demand for positive digital experiences is a critical driver for government agencies. Streamlining application modernization and reducing complexity by supporting rapid app innovation, integrated security, and accelerated app deployment helps public sector agencies improve mission agility, efficiency, and effectiveness. In addition, app modernization helps keep pace with evolving customer and employee demands for positive digital transformation initiatives.

## Bottom Line

App modernization should be a starting point for agencies looking to accelerate their digital transformation journey. From reducing complexity to supporting rapid innovation, modernizing an agency's application strategy and portfolio enables them to stay ahead of security threats, keep pace with civilian and employee digital expectations, and create more positive digital experiences.

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