App Modernization Services with GitHub CoPilot
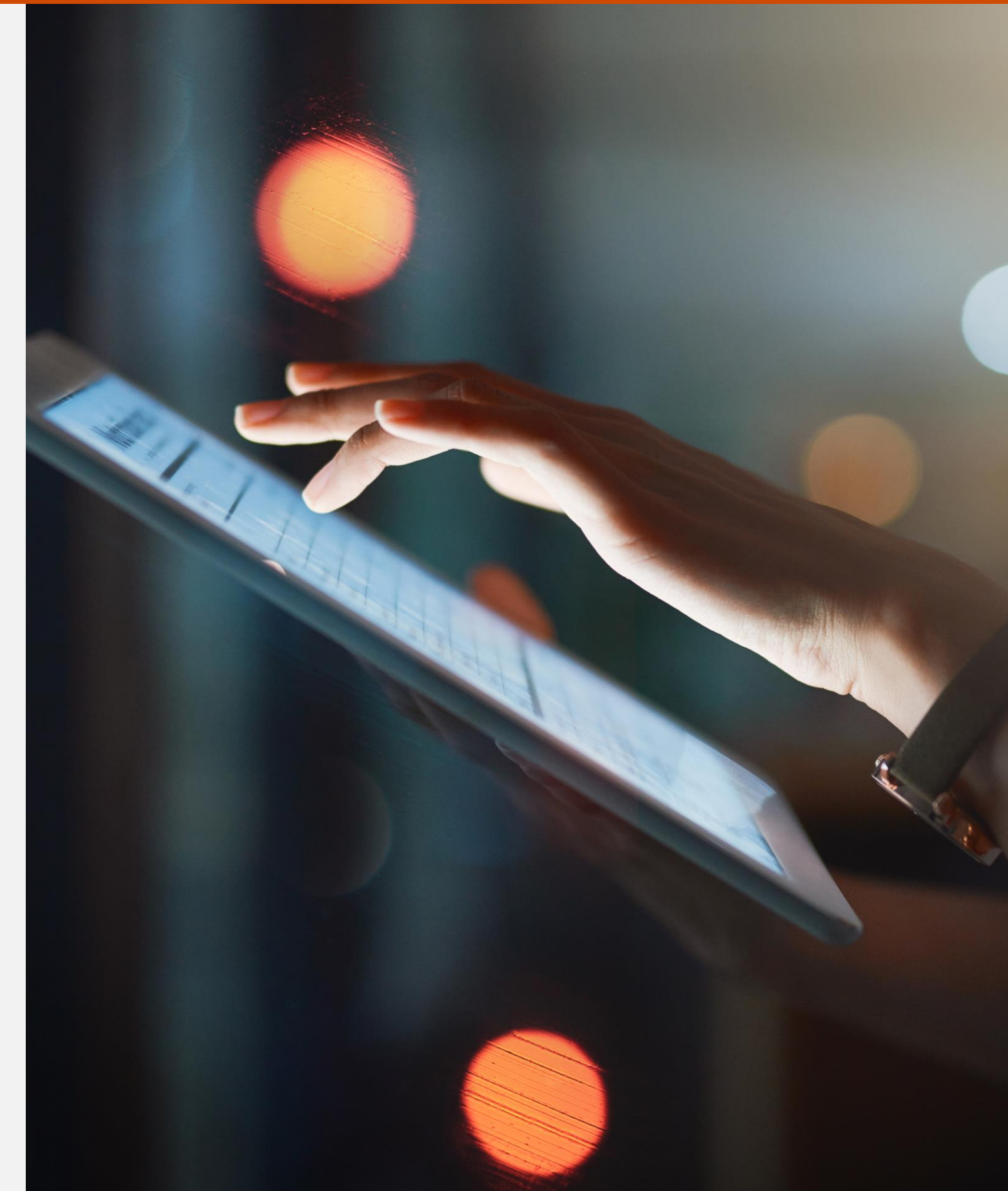
Modernizing apps to deliver a cloud future today

Enterprises are facing time sensitive, pivotal decisions as we shift to the cloud.

Key Questions

- Is your organization facing limitations and hurdles due to an aging infrastructure?
- Does your organization demand ways to decrease costs while increasing efficiency?
- Is your organization ready to position itself for future scalability?

We help enterprise organizations build and modernize apps, bypassing the constraints of your existing legacy infrastructure.

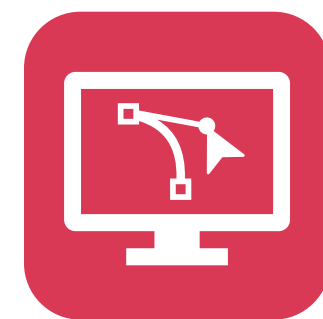# PwC is uniquely poised to deliver successful app modernization

Discovery and Blueprinting - cloud readiness

- Automate source code analysis of applications for a comprehensive portfolio view.
- Develop a migration roadmap that prioritizes the application portfolio for migration and modernization.
- Reverse engineer code components, database structures and interdependencies. Visualize them to uncover inter-application links that could break in migration.
- Identify code patterns that could block the migration.

Modern Cloud Solutions

Build a microservices / serverless/ container based modern cloud solution leveraging Microsoft Azure services and development frameworks such as Azure Migrate, Kubernetes or others which are best fit.

GitHub Copilot

- Harness the power of Generative AI with GitHub Copilot to accelerate migration activities and modernize applications.
- Detect problematic code patterns and programming practices.

Cloud-based infrastructure benefits the entire organization – enabling future possibilities today

Migrating enterprise apps to a cloud-native, multi-tier architecture has countless benefits. Position your organization for improved cost management, future scalability, and smoother integration with other cloud services.

- **Lower the maintenance**, management and operating costs of legacy systems
- **Modernize** risk management
- **Leverage** the speed and cost of innovation provided by cloud and platform providers
- **Increase agility** and scalability

With Microsoft Azure services and development frameworks, such as Azure Migrate, Azure Kubernetes Service, Azure App Services and Azure Monitor, we enable organizations to modernize their technology stack with minimal business impact.

![pwc]

![Microsoft]

Our expertise

1 **Tool Accelerated Planning and Design:** PwC conducts deep analysis using tools to automate source code analysis. We develop a migration roadmap considering the entire application portfolio, indicating code health and other migration blockers.

2 **Application Modernization:** PwC's migration factory will cloudify your migration with work foundations and standardized patterns to deliver DevOps capabilities needed for scale standardization and automation.

3 **Microsoft Alliance and Github Copilot:** PwC collaborates closely with Microsoft and leverages Github Copilot, with our own team as "client zero" keeping our team at the forefront of generative AI.

PwC's strategic global alliance with Microsoft

Our relationship with Microsoft gives us unique access that will benefit your project.

- PwC is Microsoft's third largest customer globally

- PwC was Microsoft's #1 Advisory Services Provider in 2023, #3 Provider overall in 2023

- Microsoft is PwC's largest IT products and services provider

- PwC and Microsoft go to market together in a portfolio of Integrated Solutions and Products across cloud, business applications, cyber and modern workplace

- PwC and Microsoft co-invest to accelerate client value through providing resources and funding for professional services and technical support

- PwC's **$1B investment over the next three years** to expand and scale its artificial intelligence (AI) offerings

Case Study

Challenge

Our client planned to modernize legacy applications to capture new business opportunities, re-engineer data processes and create new applications.

Solution

The PwC project team managed a migration of historical data with minimal operational impact and re-engineered their data generation process. The team also developed tailored applications and provided Power BI solutions to create easier access to its data.

Result

PwC delivered the incremental migration of applications, data conversions and new applications with minimal impact on business operations while enabling the client to realize the benefits of app modernization.

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Microsoft

Thank you

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