



# Deliver AI-empowered Software Factories

## KPMG and GitHub Copilot

KPMG and GitHub are helping organizations to modernize legacy code, generate new code, and improve code resiliency.

### This is an interactive document



To enable interactivity, viewing is recommended in Adobe Acrobat on PC and Google Chrome on Mac. Within the document, **clicking on any plus button reveals more information.**

**Artificial Intelligence (AI) has revolutionized the software development lifecycle (SDLC), transforming everything from test automation to seamless integration with project management tools. Within this evolving landscape, GitHub Copilot stands out as a remarkable AI pair programmer that enhances productivity and code quality for application developers of all skill levels and specializations.**

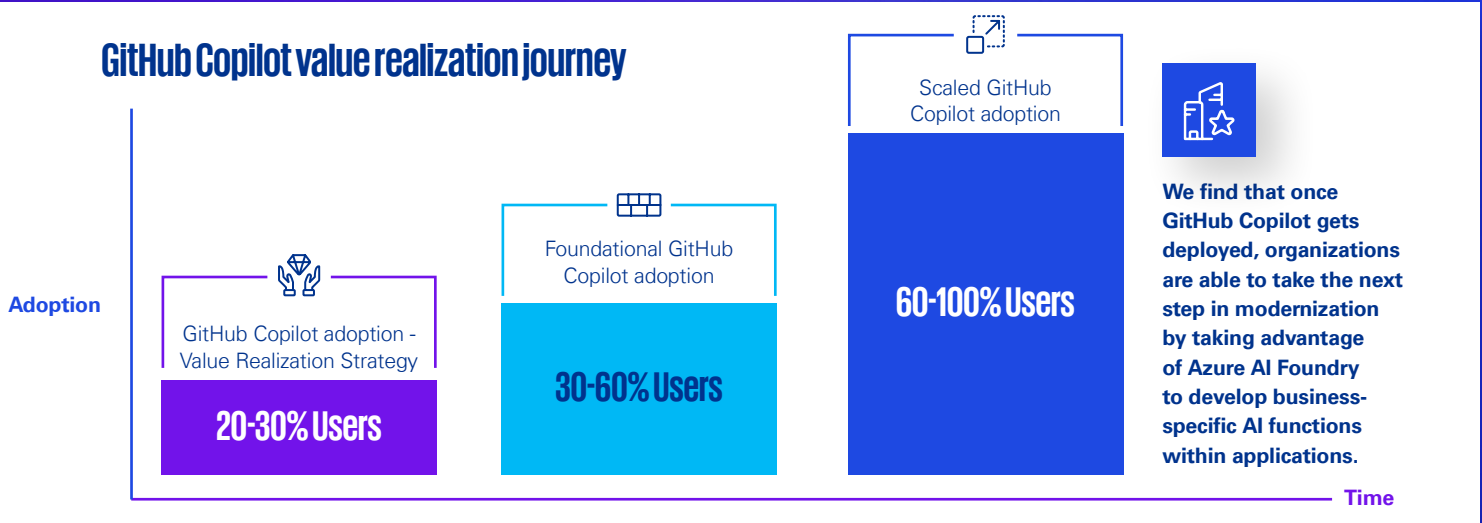
**GitHub Copilot can help to significantly improve the development process** - enabling engineers to accelerate code production, reduce boilerplate code, and focus more on innovation. Although it is only one aspect of a fully AI-enabled software development lifecycle (SDLC), GitHub Copilot features demonstrate how AI technologies can help enhance and optimize the software development landscape. GitHub Copilot can also help businesses tackle some of their most common challenges related to ambiguous documentation, limited unit test coverage, code vulnerabilities, and outdated legacy code with ease. Notably, GitHub Copilot can help you to optimize the onboarding process for new developers, reducing training time by up to 30% and enabling them to quickly gain proficiency in an organization's codebase. Additionally, this tool can help accelerate framework upgrades by 25%-35%, and its sophisticated documentation features can shorten incident resolution times by up to 35%.

## Optimize performance and value

At KPMG, we help you to unlock the full potential of GitHub Copilot. Our team of professionals collaborate with you, utilizing a value-led framework along with essential tools, accelerators, and resources to enable a successful rollout of GitHub Copilot across your enterprise. From identifying initial business use cases to achieving full-scale adoption, our experts are with you every step of the way. We enable you to track and monitor performance effectively, helping you realize your return on investment and drive measurable value.

Furthermore, our teams work with your developers, providing them with the necessary tools, workflows, and environments to help boost productivity and enhance performance. We engage with your teams from ideation through to scaling, optimizing value and driving innovation throughout the development process.

### GitHub Copilot value realization journey



### This leads to:

Enhanced operational efficiency

Elimination of excessive boilerplate code

Improved code security

Help to minimize the risk of exposing sensitive information

Improved developer productivity

## KPMG Accelerators deliver value



### SharePoint site framework

Structured to contain GitHub Copilot training content, adoption dashboards, surveys, and FAQs.



### Prompt library

Based on prioritized use cases for role and function specificity.



### GitHub Copilot Handbook

Contains leading practices, use cases, prompting techniques, and installation processes.



### Persona journey maps

Highlight opportunities to leverage GitHub Copilot capabilities across the SDLC.



### Adoption and benefits dashboards

Highlight usage, productivity gains, and adoption across software engineering teams and relevant personas.



### Workshop content

Help GitHub Copilot users build their skillset



### Adoption and benefits survey frameworks

Distributed every 2 weeks and used as input for the dashboards.

## 5-step approach for successful adoption

KPMG follows a 5-step approach when helping organizations adopt GitHub Copilot, ensuring a successful rollout.



## Client success

KPMG successfully introduced GitHub Copilot at a major state government agency, resulting in an approximately 35% improvement in developer performance, with code suggestions accepted in line with industry benchmarks. Developers noted several strengths of GitHub Copilot, including its ability to reduce error triage, enhance unit test coverage, expedite documentation generation, and incorporate features from new frameworks more efficiently.

## So, why work with us:

01

GitHub Copilot is revolutionizing how organizations operate.

02

As with any technology deployment, the expected return on investment comes faster with help from KPMG.

03

KPMG can help deliver more value so you can gain a competitive advantage in the marketplace.

## KPMG, Microsoft & GitHub - Strategic Global Alliance

KPMG brings a decades-long, global alliance with Microsoft. Our solutions allow organizations to better manage their risk, compliance and security agendas, create meaningful data insights to inform intelligent decision making, and take advantage of the latest innovative technologies to help drive new business value and growth. With the integration of GitHub, we further empower businesses by enhancing their software development capabilities, fostering collaboration, and leveraging AI-driven tools for smarter, more efficient coding processes.

### Are you ready to optimize your performance?

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