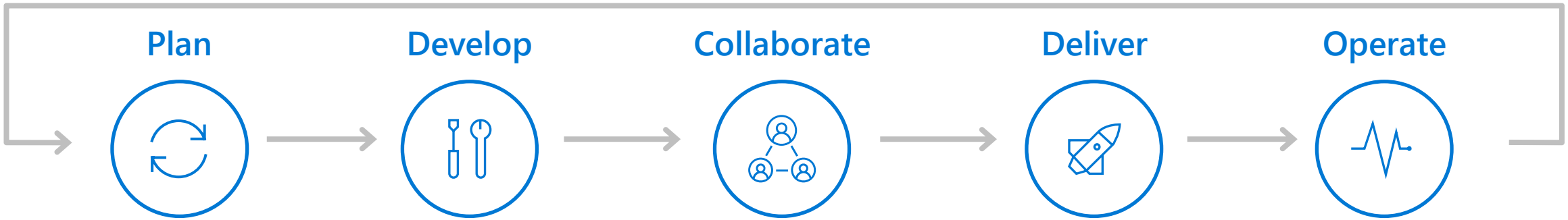
DevOps with GitHub

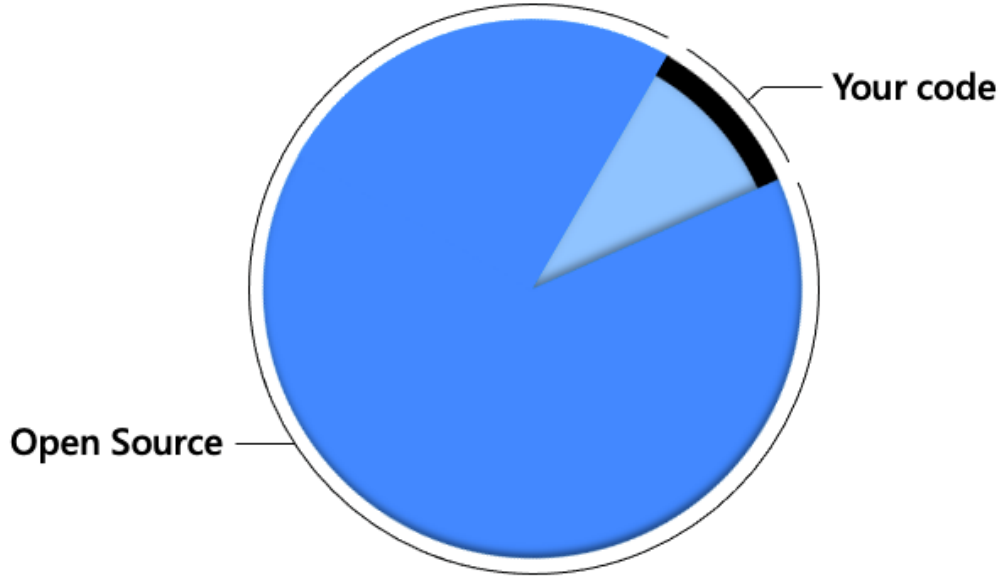
Making the DevOps easier, faster, and more cost-effective with Azure and GitHub.

4

DevOps Phases



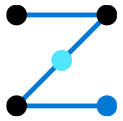
Modern enterprise applications



Innersource with GitHub

Enabling open source culture and best practices inside your organization

Increased collaboration



Breaking silos

Higher developer satisfaction

Secure the software lifecycle with GitHub

Dependency updates

Code scanning

Secret scanning

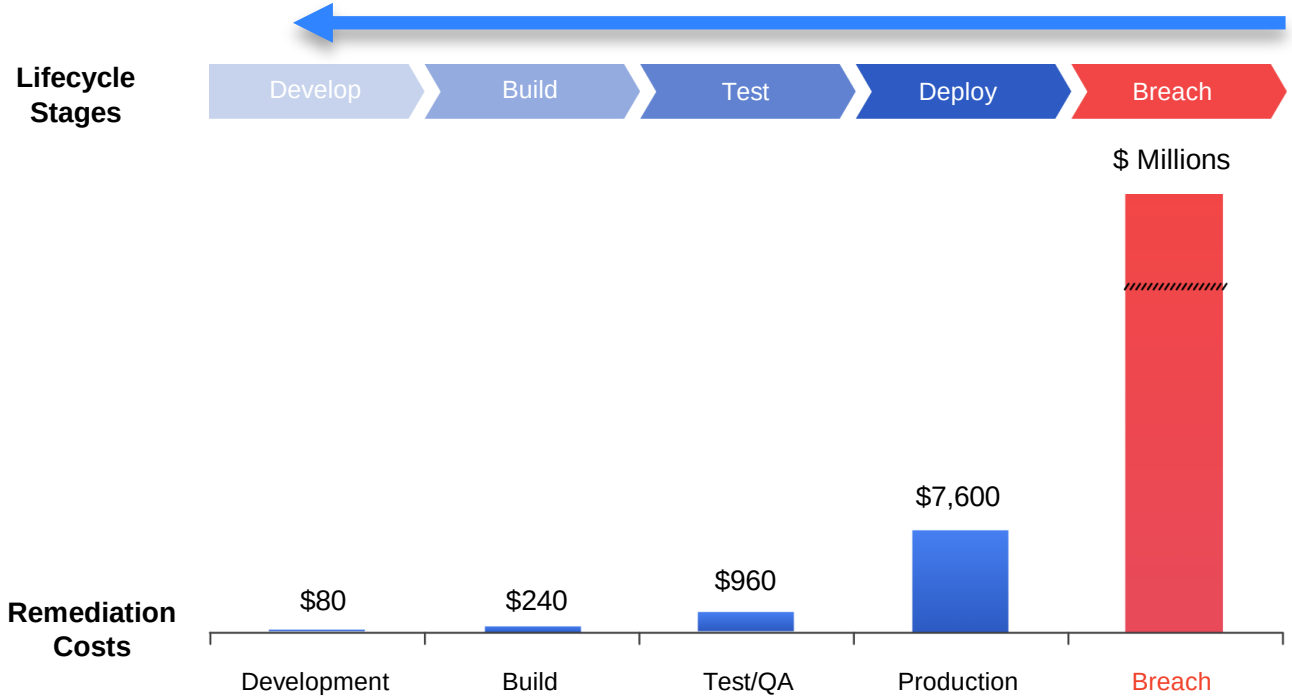
Included / GitHub Enterprise Cloud

GitHub Advanced Security (GHAS)

Shift security left

Application flaws: #1 attack vector for breaches

Remediate during development



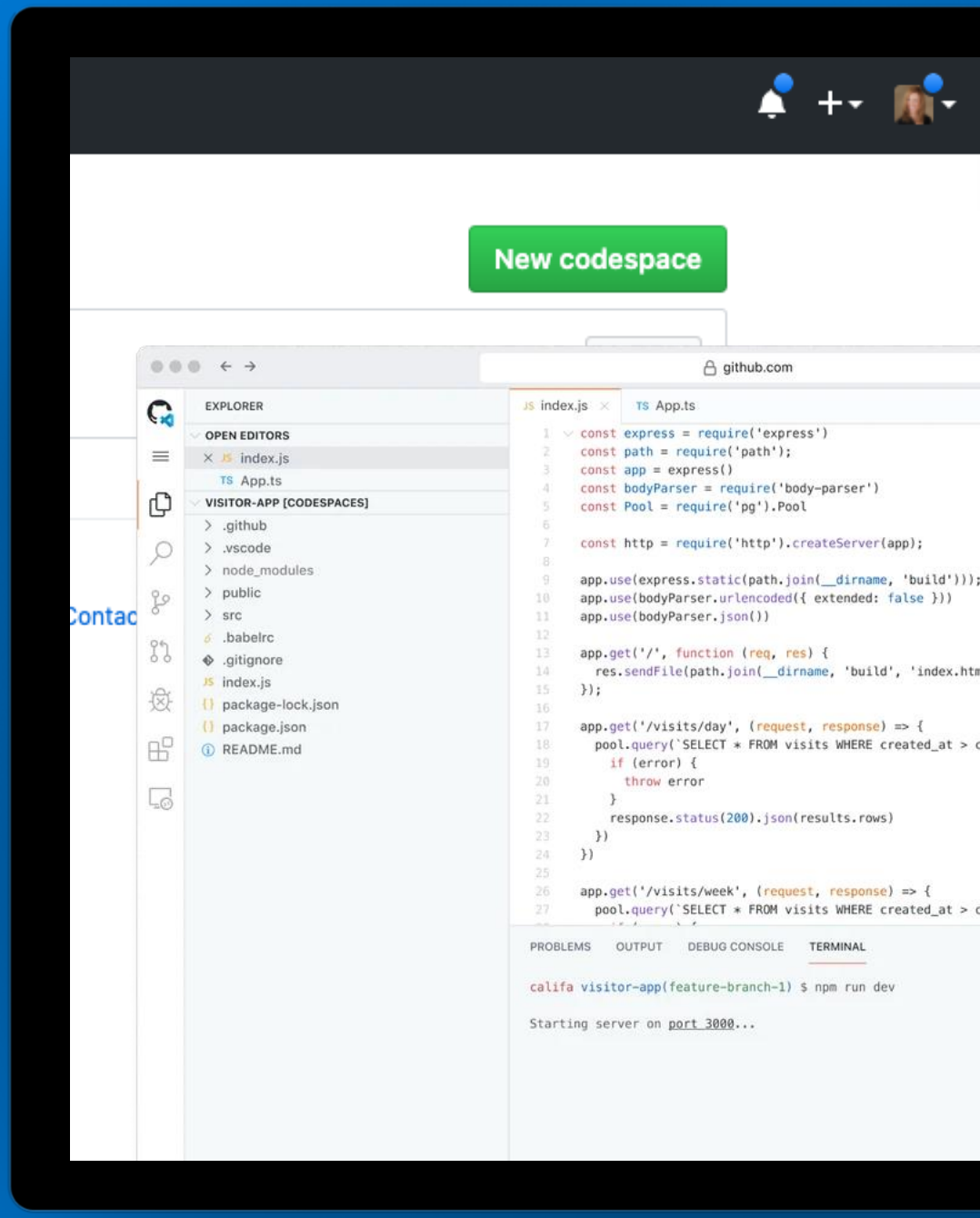
Sources: NIST, Polemon Institute, Verizon Data Breach Investigations reports 2016, 2017, 2018, 2019 and 2020.

Other features

GitHub Codespaces

Your instant dev environment

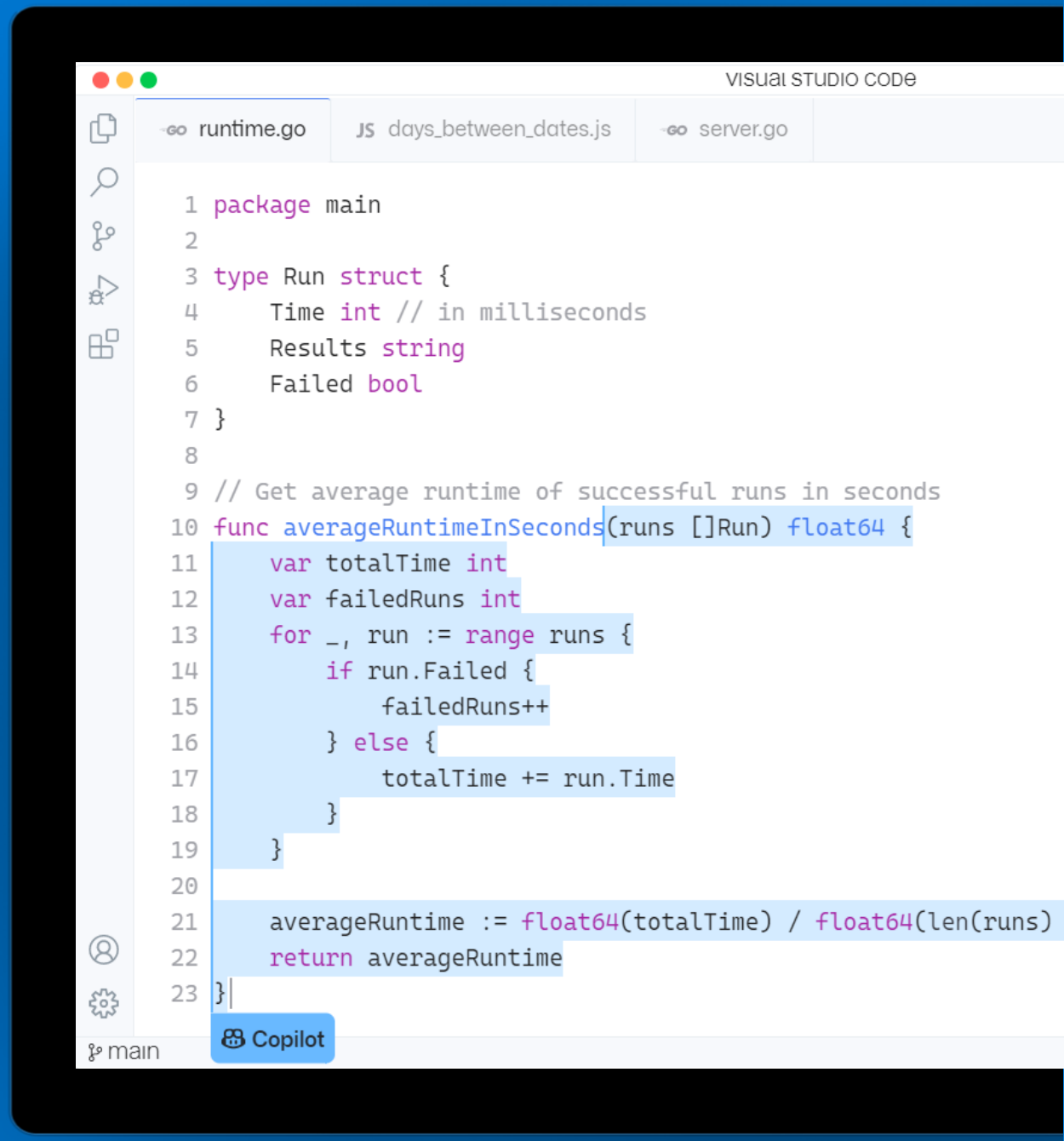
https://github.com/Features/Codespaces



GitHub Copilot

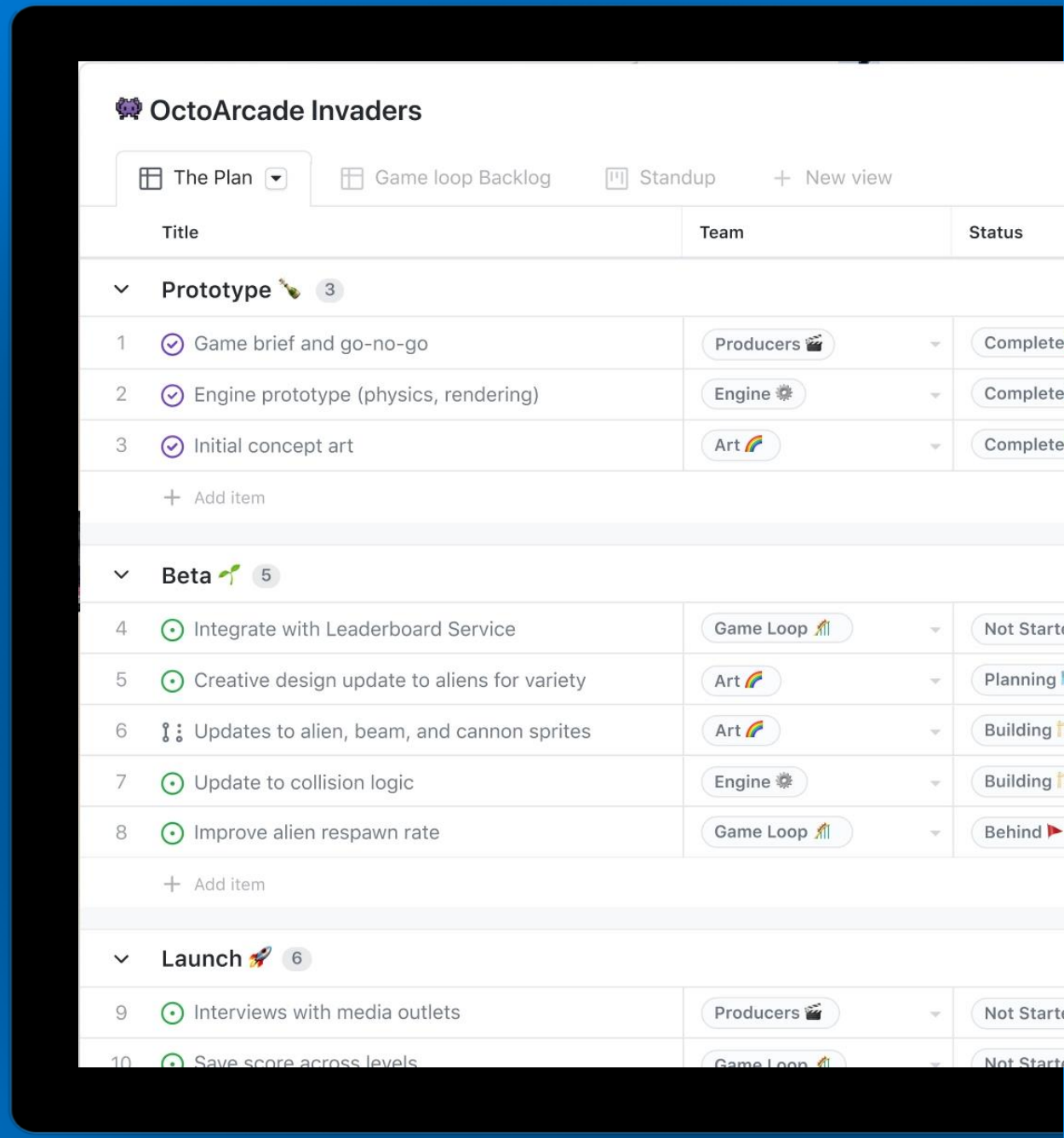
Your AI pair programmer

[Introducing GitHub Copilot: your AI pair programmer]



Planning

Introducing the new GitHub Projects



[Introducing the new GitHub Issues | The GitHub Blog]

What Does this Mean for Azure DevOps?

Microsoft is fully committed to Azure DevOps

Strategic investments in GitHub

Our commitments to you

- Integration between GitHub Enterprise and Azure DevOps services
- Integration between GitHub and Azure
- Make it easier to acquire both products together
- Comprehensive set of tools to move to GitHub

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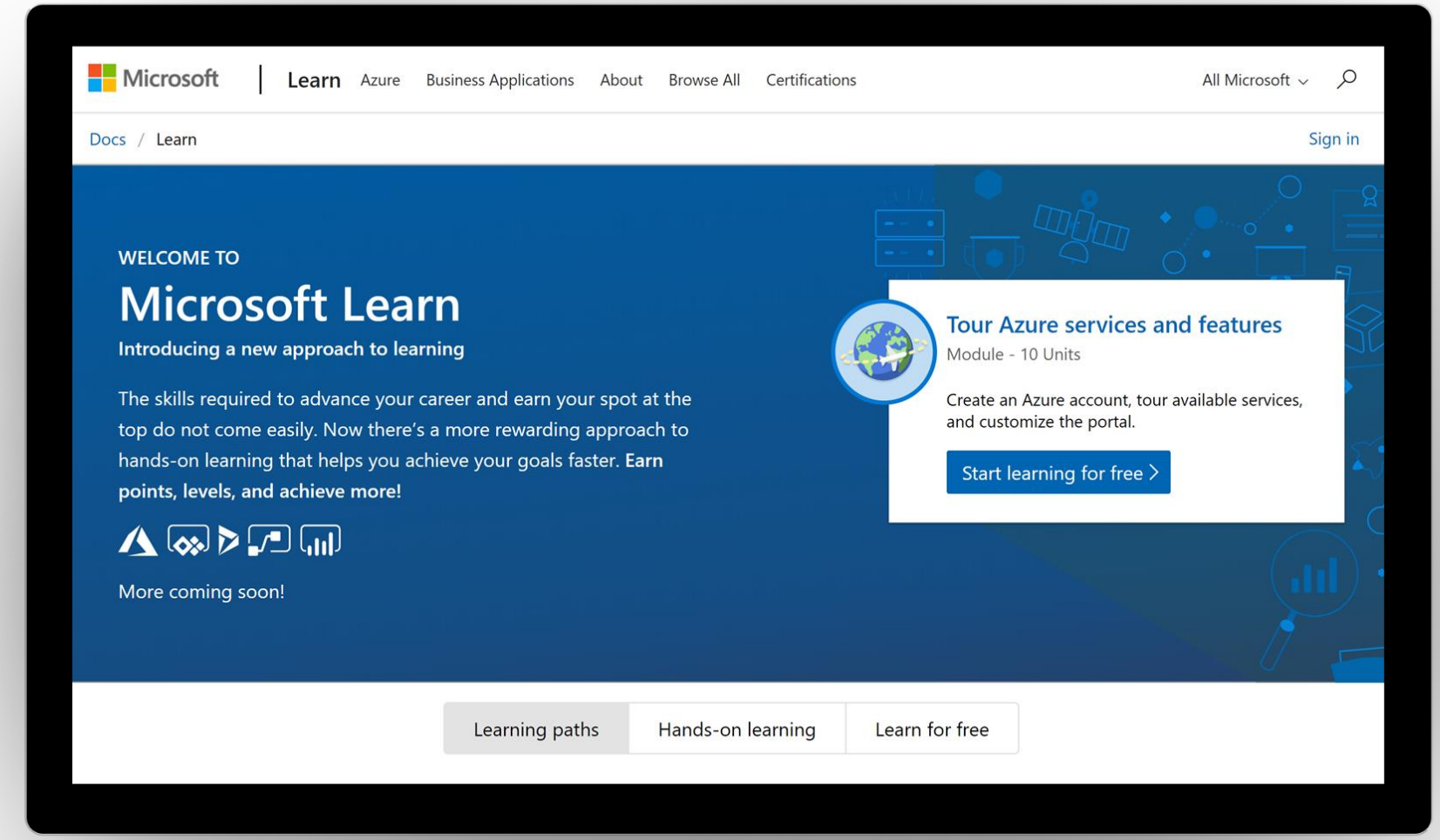
Resources to Learn More

Microsoft Learn

Build your skills fast with free, interactive tutorials at Microsoft Learn, a new training experience for technical users.

- Step-by-step training to fit your schedule
- Interactive coding environments for hands-on experience
- Earn achievements and recognition for your Azure skills
- For many modules we provide free Azure sandboxes, free virtual machines, etc. so there is nothing to setup ahead of time

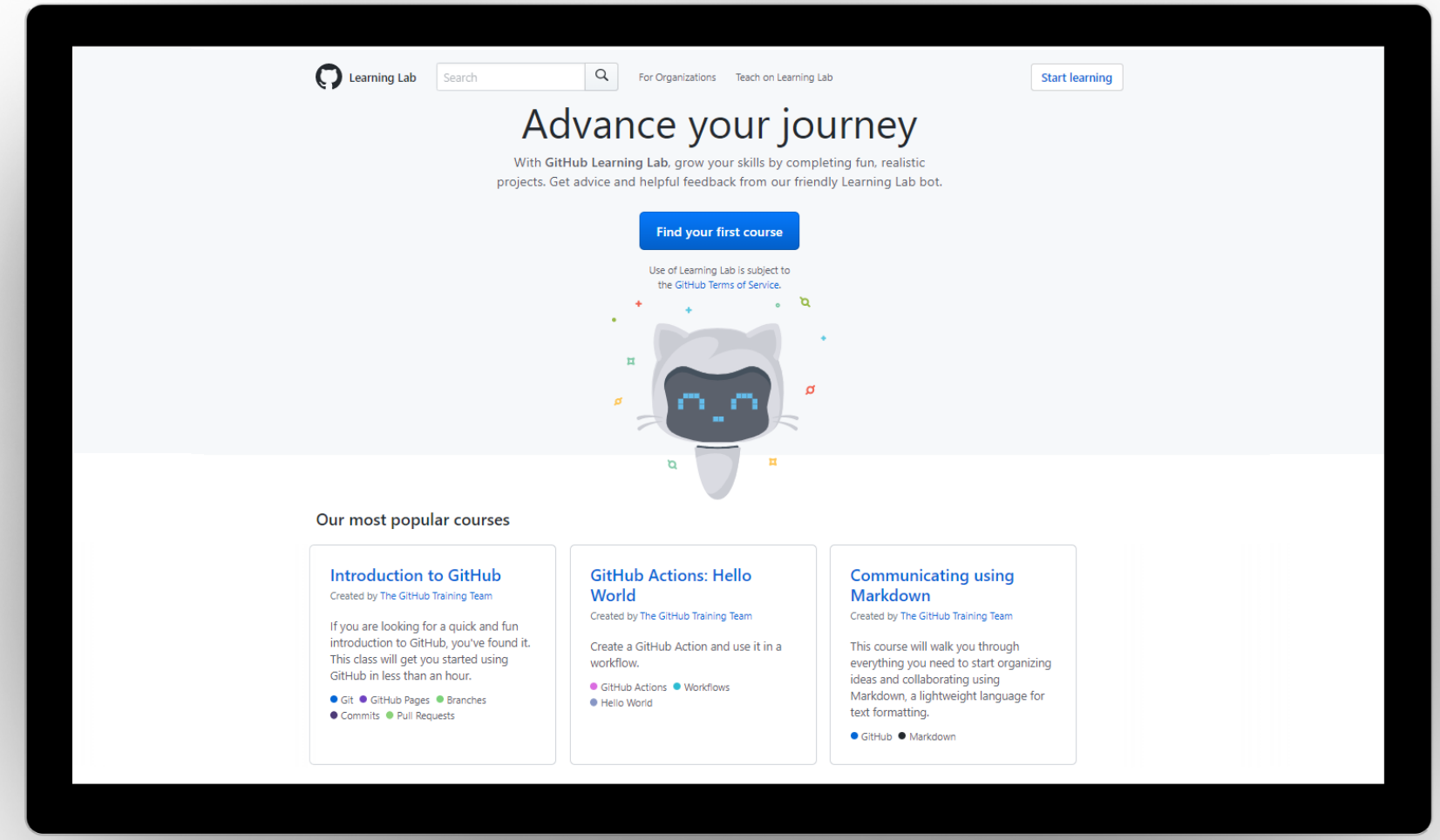


http://docs.Microsoft.com/Learn/

GitHub Learning Lab

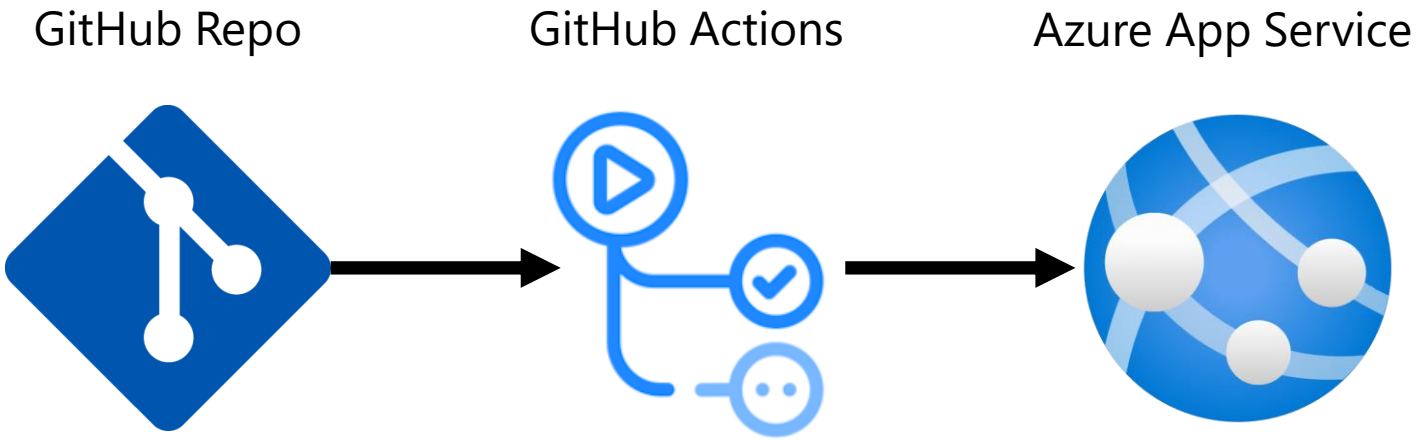
Grow your skills by completing fun, realistic projects. Get advice and helpful feedback from our friendly Learning Lab bot.

- Hands-on lessons created by the GitHub community and taught by the Learning Lab bot.
- Learn new skills while working in your own copy of a real project.
- Our friendly bot provides instructions and feedback throughout your journey.
- **Real workflow -** Everything happens in GitHub Issues and Pull Requests.



https://lab.github.com/

DevOps Lab



Azure Dev Day

aka.ms/azuredevdaylabs/devops