GitHub Learning Companion

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GitHub fundamentals - Administration basics and product features

Learn the basics of GitHub administration and discover the products that GitHub offers.

- Introduction to GitHub
- Introduction to GitHub administration
- Introduction to GitHub's Products

Learning More:
- Introduction to GitHub in Visual Studio Code
- Want to get Started learning GitHub and DevOps?

Automate workflow with GitHub Actions

Learn how GitHub Actions enables you to automate your software development cycle and deploy applications to Azure

START

Collaborate with others with Markdown and GitHub Pages

Learn how to use Markdown to effectively communicate with others in your GitHub issues, pull requests, comments, and documentation.

START

Increase developer productivity:
- GitHub Copilot Fundamentals - Understand the AI pair programmer
- GitHub Copilot · Your AI pair programmer
- Learning GitHub Copilot (6 x show)
- GitHub Copilot documentation - GitHub Docs

Deploy Azure resources by using Bicep and GitHub Actions

Gain the benefits of infrastructure as code by using an automated workflow to deploy your Bicep templates and integrate other deployment activities with your workflows. You'll build workflows using GitHub Actions.

START

Manage Source Control

Learn how GitHub enables you to build a modern source control strategy that fosters collaboration and enables you to automate your build and deployment processes.

START

Build Community-Driven Software Projects

Whether you manage enterprise or open-source software projects, learn how GitHub enables you to build communities that foster communication and collaboration while reinforcing recommended guidelines, codes of conduct, and security best practices.

START

Manage the lifecycle of your products

Take full control of your GitHub projects. Through work planning and tracking, effective branching strategies, and extending GitHub through its API, manage releases all the way from idea to working software in the hands of your users.

START

Work with Azure Repos and GitHub

This module introduces you to Azure Repos and GitHub and explores ways to migrate from TFVC to Git, and work with GitHub Codespaces for development.

START

Plan Agile with GitHub Projects

This module introduces you to GitHub Projects, GitHub Project Boards and Azure Boards.

START

Introduction to GitHub Packages

Explore ways to control permissions and visibility, publish, install, delete and restore packages using GitHub

START

Doing More

- GitHub administration for enterprise support and adoption
- Deploy a cloud-native ASP.NET Core microservice with GitHub Actions
- Azure Kubernetes Service deployment pipeline and GitHub Actions
- Create and publish custom GitHub actions
- Manage GitHub Actions in the enterprise
- Deploy and maintain cloud-native apps with GitHub actions and Azure Pipelines
- Learn how Microsoft supports secure software development as part of a cybersecurity solution
- Introduction to GitHub Advanced Security
- Configure and use secret scanning in your GitHub repository
- Authenticate and authorize user identities on GitHub
- Manage sensitive data and security policies within GitHub
- GitHub administration for GitHub Advanced Security
- Introduction to GitHub in Visual Studio Code
- Architect full-stack applications and automate deployments with GitHub
- Configure Dependabot security updates on your GitHub repo
- Configure code scanning on GitHub
- Code scanning with GitHub CodeQL

GitHub Guides
guides.github.com

Expand your knowledge with GitHub Guides Explore feature demos, tips, and workflow essentials for effective daily GitHub use.

1. GitHub Flow
2. Hello World
3. GitHub Pages
4. Git Handbook
5. Forking Projects
6. Be Social
7. Making your code Citable
8. Mastering Issues
9. Mastering Markdown
10. Documenting your Projects

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