



Learning Lab



For Organizations

Teach on Learning Lab

We've added some new features but they'll only work if you grant us permission to use them. [Please accept the new permissions here.](#)



The GitHub Training Team

githubtraining

[The GitHub Training Team on GitHub](#)

[Dashboard](#)

Courses

Learning Paths

Ramp up on Git and GitHub

A set of resources leveraged by Microsoft employees to ramp up on Git and GitHub. Progress of this path is intended to take about 4 weeks, including 1 week of prerequisites.



Git Handbook

Week 0 (Prepreqs): This doc on GitHub Guides provides a top-view of Git and useful commands.

[Go to resource >](#)



GitHub Learning Lab

Week 0 (Prepreqs): A YouTube video that gives you an overview of Learning Lab and how to use it.

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Communicating using Markdown

Week 0 (Prepreqs): In this course, you'll learn how to: Use Markdown to add lists, images, and links in a comment or text file, Determine where and how to use Markdown in a GitHub repository

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LinkedIn Skill Assessment: Git

Week 0 (Prepreqs): Take the Skill Assessment on Git. This link provides Information on how to get started using LinkedIn Assessments.

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Introduction to GitHub

Week 1: Outcomes from this lab: Communicate in issues, Manage notifications, Create branches, Make commits, Introduce changes with pull requests

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GitHub Actions: Hello World

Week 1: Outcomes from this lab: Organize and identify workflow files, Add executable scripts, Create workflow and action blocks, Trigger workflows, Discover workflow logs,

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☐ GitHub Actions - Now with built-in CI/CD! Live from GitHub HQ

Week 1: The announcement for the release of GitHub Actions with CI and CD capabilities.

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Uploading your project to GitHub

Week 1: Outcomes from this lab: Identify where your code is stored, Introduce code to a repository, Create important Git files like a .gitignore, Identify important next steps to manage your repository and add community involvement

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Reviewing pull requests

Week 1: Outcomes from this lab: Comment on pull requests, Leave reviews on pull requests, See what's expected when reviewing pull requests, Request pull request reviews, Accept changes introduced by a pull request review

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Create a release based workflow

Week 2: After completing this course, you'll be able to: Build a project board to manage your next release, Create & commit changes on a release branch, Create a Git tag & a release on GitHub, Resolve bugs after a release

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Securing your workflows

Week 2: After completing this course, you'll be able to: Enable security features, Detect vulnerable dependencies in repositories when notified by GitHub's security alerts, Utilize best practices to keep sensitive data out

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Migrating your repository to GitHub

Week 2: In this course, you'll learn how to: Prepare your project for a successful migration, Handle any binary files currently stored in your project, Create important Git files like a .gitignore Import your project to GitHub

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Git & GitHub: Migrate to GitHub

Week 2: A short video that'll help you plan a migration to GitHub.

[Go to resource >](#)



An introduction to innersource

Week 3: Organizations worldwide are incorporating open source methodologies into the way they build and ship their own software.

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InnerSource fundamentals

Week 3: After completing this course, you'll be able to: contrast user versus organization owned repos, make recommendations about the number of GitHub orgs you should have, create discoverable repositories, create robust repository READMEs use

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Case studies for InnerSource

Week 3: A set of InnerSource case studies.

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Picking InnerSource projects

Week 3: Information to help you pick how to pick a project for InnerSource practices.

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Checks for understanding

Check your understanding by trying some of these questions.

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