GitHub Actions

GitHub Actions allow you to automate your workflows. Learn to leverage GitHub Actions in your own projects across a multitude of use cases; CI, CD, administrative tasks, project management, and more. You'll experience a mix of presentations, demos, hands-on labs, plus ample time to engage in Q&A with a GitHub Actions expert. After this training, you and your teams will be able to automate their own workflows as well as understand the key concepts such as the workflow syntax, secrets management, runners, how to build custom actions, and best practices.

What Are You Looking For?

Team Learning

Our learning experts provide private training for teams. Start a conversation about your training needs by calling us at 929.777.8102 or filling out our team training form below.

Setup A Conversation [1]

Individual Learning

Join one of our upcoming public learning sessions. We offer both virtual sessions and in-person training at our industry-leading software conferences.

See Upcoming Sessions

What You'll Learn

✔ Understand the basic components and vocabulary of GitHub Actions.

✔ Understand the YAML syntax (scalar types, quotes, literal blocks, maps, and sequences).

✔ Identify the recommended options and configurations to reach your desired outcomes.

✔ Understand the workflow syntax and how to write workflows using intelligence.

✔ Understand events that can trigger workflows.

✔ Learn the context and expression syntax as well as workflow commands.

✔ Understand the different hosting options for runners.

✔ Use secrets and environments for staged deployments.

✔ Workflow templates and reusable workflows.

After this engagement, you're team will be able to:

Reduce time spent on manual tasks.

Reduce time spent between idea and production.

Limit context switching between different tools.

Improve the developer experience.

Why Coveros?

PREMIERE GITHUB PARTNER
for training, coaching, and consulting services.

★★★★★
4.5 out of 5
average instructor rating from students.

Who Should Attend?

- Software Developers
- Team Leads
- DevOps Teams
- Engineering Managers

Prerequisites

- A user account on GitHub.com.
- Basic understanding of DevOps practices and processes (specifically Continuous Integration and Continuous Delivery/Deployment).
- Basic knowledge about Git and the GitHub platform.

This training is structured as a mix between presentations, demos, hands-on labs, and Q&A. Each day will aim to not only cover the basics of GitHub Actions, but also leave space to explore use cases specific to your own projects and teams. As a baseline, the key topics we will cover are:

- GitHub Actions workflow fundamentals
- YAML and workflow syntax

- Authoring workflows
- Understand and author GitHub Actions
- Building workflows for CI/CD
- Secrets and Environments
- Using and managing runners
- Administrative features and policies
- Sharing actions and workflows

Price: $995

Course Outline