



GITHUB TRAINING

Level - Intermediate

COTOCUS

MARCH 23, 2023

COTOCUS LTD.
Bangalore, India

TRAINING DATES	TDB
TIME DAYS	2 DAYS
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TRAINAGENDA

1.1 DAY 1

Introduction to GitHub (1 hour)

- What is GitHub?
- Why use GitHub?
- Basic concepts of GitHub
- GitHub workflow

Working with GitHub Locally (3 hours)

- Installing and configuring Git and GitHub Desktop
- Initializing a Git repository
- Adding and committing changes
- Viewing the commit history
- Reverting changes
- Branching and merging
- Using GitHub Actions
- Using GitHub API

Working with GitHub Remotely (2 hours)

- Creating a GitHub repository
- Cloning a GitHub repository
- Pushing and pulling changes
- Collaborating with others
- Forking and pull requests
- Setting up GitHub authentication

Advanced GitHub Techniques (2 hours)

- Resolving merge conflicts in GitHub
- GitHub rebase
- Stashing changes in GitHub
- Undoing changes in GitHub
- Using GitHub's advanced features like issue tracking, code review, and continuous integration

1.2 DAY 2

GitHub Workflows (2 hours)

- GitHub flow
- Using GitHub for agile software development
- Using GitHub for DevOps
- Choosing the right workflow for your team

Best Practices for GitHub (2 hours)

- Commit messages in GitHub
- Branch naming conventions in GitHub
- Code reviews in GitHub
- Using GitHub hooks
- Using GitHub aliases

GitHub for Large Projects (2 hours)

- Using Git submodules in GitHub
- Using Git subtree in GitHub
- Using Git LFS in GitHub
- Using GitHub with Continuous Integration

Wrap-up (30 minutes)

- Recap of the training
- Q&A session