



GITLAB TRAINING

Level - Intermediate

COTOCUS

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COTOCUS LTD.
Bangalore, India

TRAINING DATES	TDB
TIME DAYS	2 DAYS
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TRAINER AGENDA

1.1 DAY 1

Introduction to GitLab (1 hour)

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

Working with GitLab Locally (3 hours)

- Installing GitLab locally
- Initializing a Git repository
- Adding and committing changes
- Viewing the commit history
- Reverting changes
- Branching and merging
- Using GitLab CI/CD
- Using GitLab Runner
- Using GitLab API

Working with GitLab Remotely (2 hours)

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

Advanced GitLab Techniques (2 hours)

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

1.2 DAY 2

GitLab Workflows (2 hours)

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

Best Practices for GitLab (2 hours)

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

GitLab for Large Projects (2 hours)

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

Wrap-up (30 minutes)

- Recap of the training
- Q&A session