amarula solutions

Go Far, Go Together

TRAINING PROGRAMME

ONE-DAY HANDS-ON TRAINING

Gerrit Code Review

For users and administrators

A practical day on Gerrit workflows: changes, patch sets, reviews, permissions, CI integration and replication.

DURATION	TRAINER	MINIMUM	PRICE
1 day per track	**Michael Trimarchi**	**3 users / 1 admin**	**On request**

Two tracks, one review workflow

Gerrit is the code review and Git hosting layer behind many embedded and open-source workflows. This one-day training is available in two tracks: one for developers and reviewers who work with changes every day, and one for administrators who configure projects, permissions and CI integration.

FORMAT	EXERCISES	TRAINER	PRICE
Instructor-led, hands-on	**Web UI and command line**	**Michael Trimarchi**	**On request**

GERRIT FOR USERS

Developers, reviewers and maintainers · minimum 3 participants

- What Gerrit is and how it fits into CI
- Projects, changes, patch sets and Change-Id
- Push, review, amend and submit

GERRIT FOR ADMINISTRATORS

Gerrit administrators, DevOps and CI owners · minimum 1 participant

- Projects, parent projects and groups
- Permissions and special Git references
- Review labels, reviewers and replication

WHAT EVERY TRACK INCLUDES

- Instructor-led explanations and live demonstrations
- Hands-on exercises in the Gerrit web UI and on the command line
- Discussion and Q&A with the trainer

PREREQUISITES

- Basic Git skills: clone, commit and push
- Familiarity with code review concepts
- A laptop with Git and an SSH client for the exercises

> The administrator track also assumes Linux command-line and SSH basics, plus a basic understanding of CI and code review workflows.

TRACK 01 OF 02

Gerrit for users

A practical day for developers and reviewers who push changes, review code and work with patch sets. Follow the complete lifecycle of a change, from the first commit to submit, with exercises in the Gerrit web UI and on the command line.

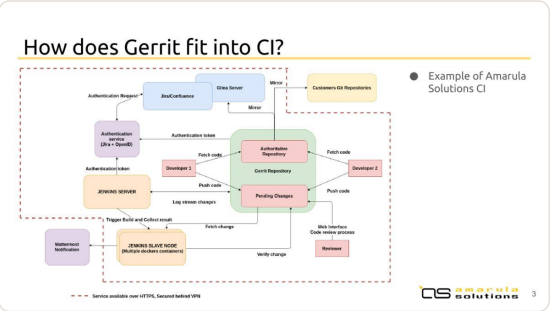
WHAT YOU WILL LEARN

- Explain what Gerrit is and how it fits into a Git and CI workflow
- Work with projects, changes, patch sets, Change-Id, topics, reviewers and review labels
- Push changes for review, including work-in-progress and private changes
- Review code in the web UI: inspect diffs, comment, vote and compare patch sets
- Amend a change, resolve review comments and submit when the conditions are met
- Use the optional ReviewAI module when AI-assisted review is available

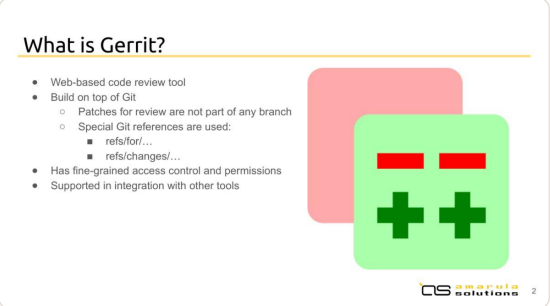
AGENDA

Morning · What Gerrit is and where it fits in CI; core concepts; the daily workflow with *refs/for/*, WIP and private changes.

Afternoon · Reviewing in the web UI; patch-set comparison; amending, resolving comments and submitting; optional ReviewAI module.



How Gerrit fits into a CI workflow



What is Gerrit?

CHANGE LIFECYCLE

Commit

↓

Push to refs/for/

↓

Review

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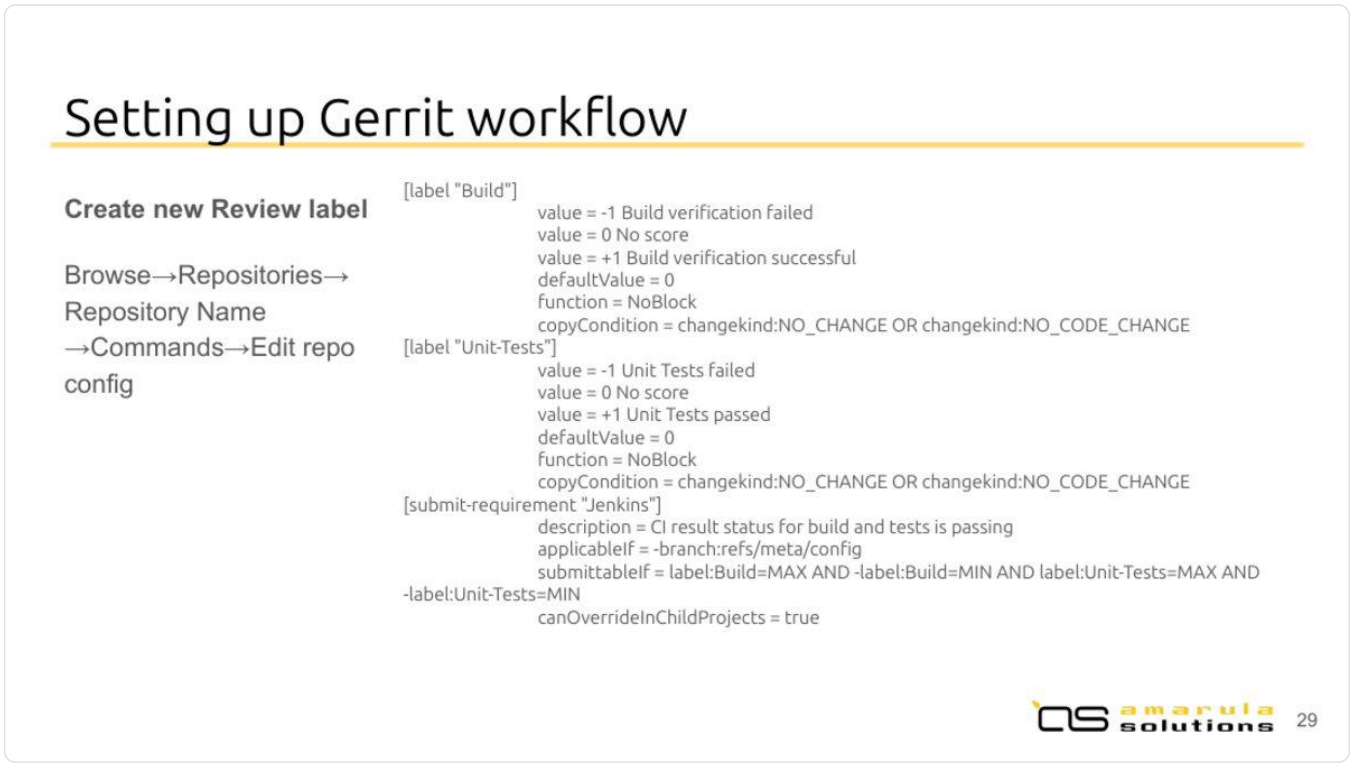
Amend

↓

Submit

TRACK 02 OF 02

Gerrit for administrators



Creating review labels in Gerrit

A focused day for the people who run Gerrit: project structure, access control, review configuration and replication. Every setting is discussed in terms of its effect on developers and CI.

WHAT YOU WILL LEARN

- Create and structure projects using parent projects
- Create user groups and manage membership
- Configure access rights for branches, tags and special Gerrit references
- Set up default reviewers and custom review labels
- Configure replication to another Git server and reload the replication plugin
- Verify and troubleshoot permissions, review workflow and replication

AGENDA

Morning · Gerrit architecture and the administrator's surface; projects and groups; access control for Git and special Gerrit references.

Afternoon · Review labels and default reviewers; replication configuration and plugin reload; troubleshooting and operational practices.

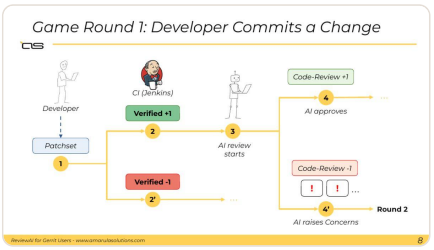
ADMINISTRATOR WORKFLOW

Projects
↓
Groups
↓
Permissions
↓
Review labels
↓
Replication

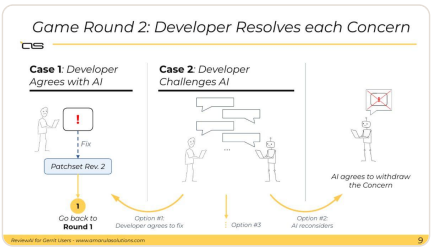
Minimum 1 participant. The administrator track can run as a one-to-one session.

OPTIONAL MODULE

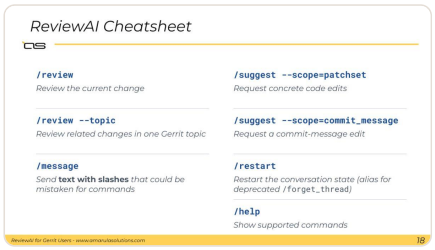
ReviewAI for Gerrit users



Review round 1: AI review starts



Review round 2: resolving AI concerns



ReviewAI command cheatsheet

When ReviewAI is deployed in your Gerrit instance, the user track adds a hands-on module on AI-assisted review inside Gerrit.

WHAT YOU WILL LEARN

- The roles of developer, reviewer, moderator and administrator
- Starting reviews with /review and requesting edits with /suggest
- Working with AI concerns, replies and patch sets
- Moderator controls: dismiss a concern, skip a category or restart the conversation
- Guidelines for reviewing with AI as a peer, not as an oracle

HOW THE MODULE RUNS

ReviewAI is presented as a collaboration workflow between developers, human reviewers, moderators and the AI reviewer. Participants see how a change moves from CI verification to AI review, then practise replying to concerns, requesting edits and using moderator controls.

The module is optional and is included only when the customer's Gerrit environment uses ReviewAI.

Your trainer



Michael Trimarchi

Co-Founder & CEO, Amarula Solutions

Michael is a Linux software engineer working on embedded and real-time systems. He holds a Master's degree in Software Engineering from the University of Pisa and is co-author of the first version of the EDF patches submitted to mainline Linux.

Michael teaches this training from the perspective of teams that run Gerrit in production: the workflows developers use every day, and the administrator decisions that make those workflows reliable.

Book a track

USERS	ADMINISTRATORS	TRAINER	PRICE
1 day · min. 3	**1 day · min. 1**	**Michael Trimarchi**	**On request**

Sessions are arranged on request. Tell us which track you need, the audience and your preferred dates.

Request a quotation

Use the quotation form at amarulasolutions.com/quotation/.

Talk to us

Contact the Amarula team at amarulasolutions.com/contact/ or info@amarulasolutions.com.

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