

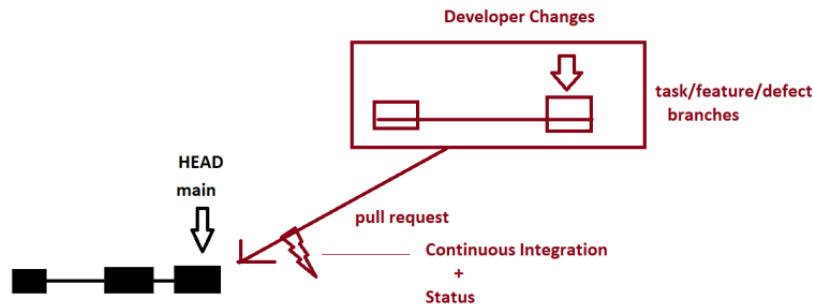


MARCH 9, 2023

DevOps Classroomnotes 09/Mar/2023

GitHub Pull Request Based Workflow in Jenkins

- Pull request workflow ensures we don't have faulty commits in the development branches



- Development Branches will not have write permissions for developers.
- The create local feature/task/defect branches. Once the work is done, they create pull request.
- We would do Continuous Integration with Static Code Analysis, unit tests, smoke/sanity tests are working or not. If every thing is passing we show the results to users who can merge pull requests to make decision to merge or reject.
- Post merge we do day build.
- [Refer Here](#) for sample repository
- Install Github pull request builder plugin to jenkins

Dashboard > Manage Jenkins > Plugin Manager

Updates

Available plugins

Installed plugins

Advanced settings

Plugins

Search: GitHub Pull

Install	Name	Released
<input checked="" type="checkbox"/>	GitHub Pull Request Builder 1.42.2	Released
Warning: This plugin version may not be safe to use. Please review the following security notices: • CSRF vulnerability and missing permission checks • Missing permission check allows enumerating credentials IDs		
<input checked="" type="checkbox"/>	GitHub Pull Request Coverage Status 2.2.0	Released
Source Code Management related Build Reports Addon for GitHub Pull Request Builder gives you the possibility of publishing code coverage status (Coveralls and Jenkins) to Pull Request Commits. You will see coverage of your PR and comparison with		
<input checked="" type="button" value="Install without restart"/> <input type="button" value="Download now and install after restart"/> Update information obtained: 1 day 0 hr ago <input type="button" value="Check now"/>		

Dashboard > Manage Jenkins > Configure System

Add

GitHub

GitHub Servers

add github server

GitHub Server

Advanced...

GitHub API usage

GitHub API usage rate limiting strategy

Normalize API requests

Save Apply

- We need to fix the issue of triggering jobs when pull requests are created.

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