Working with Repositories

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Overview

Understanding repositories

Connecting with GitHub locally

Working with special files

Administering your repository

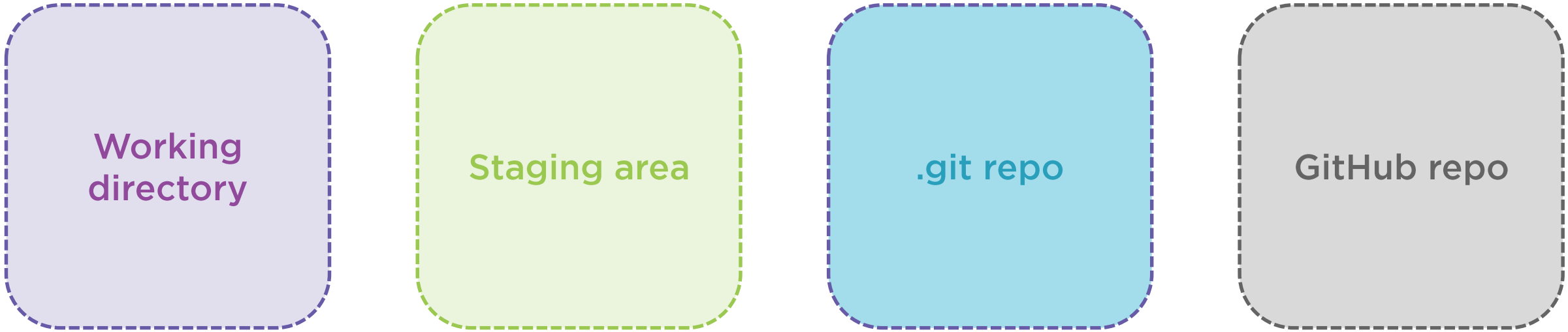
Understanding Repositories

Repositories are the building block of GitHub

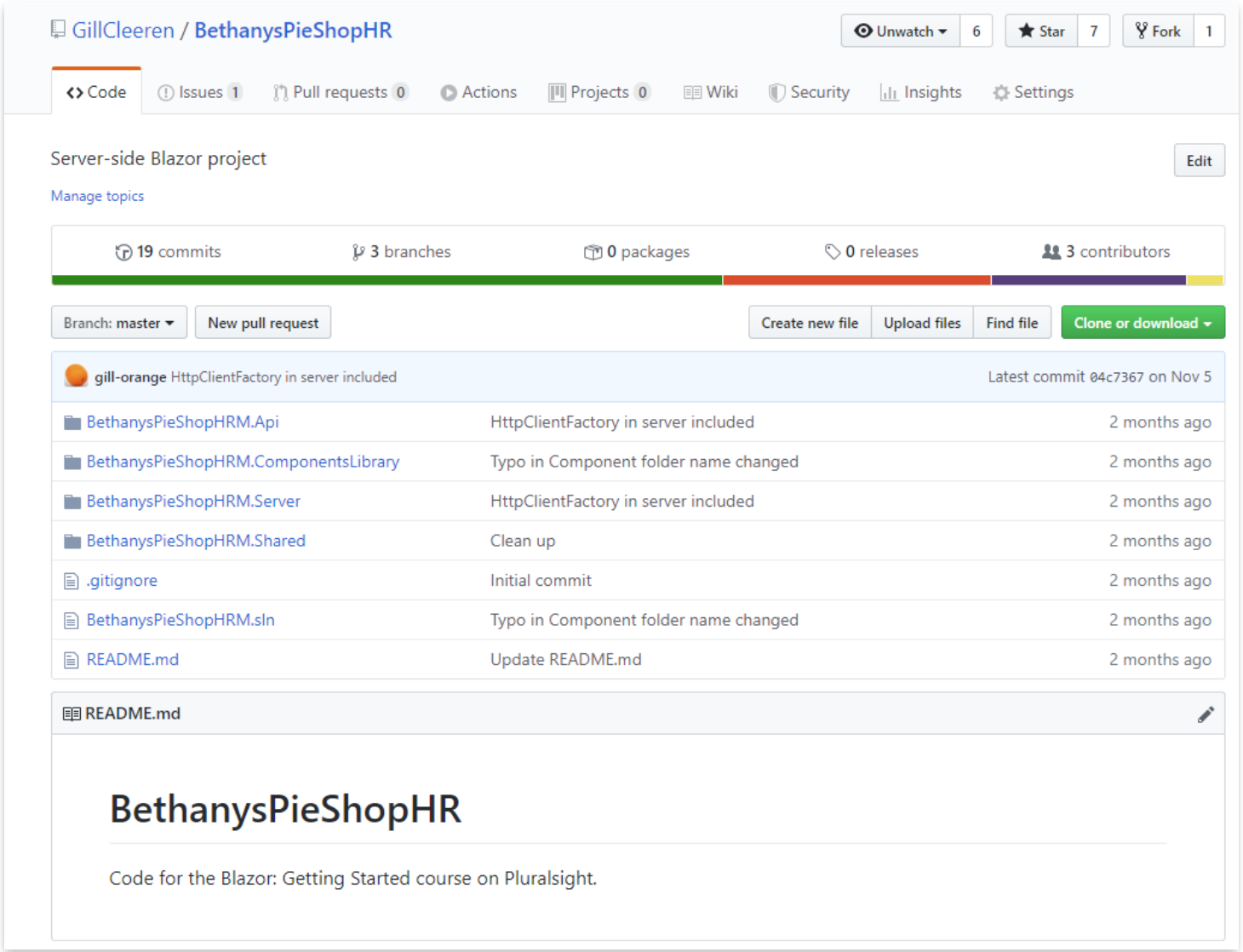
- “Folder” for your project

Public or private

GitHub Is The Remote



Repository Landing Page

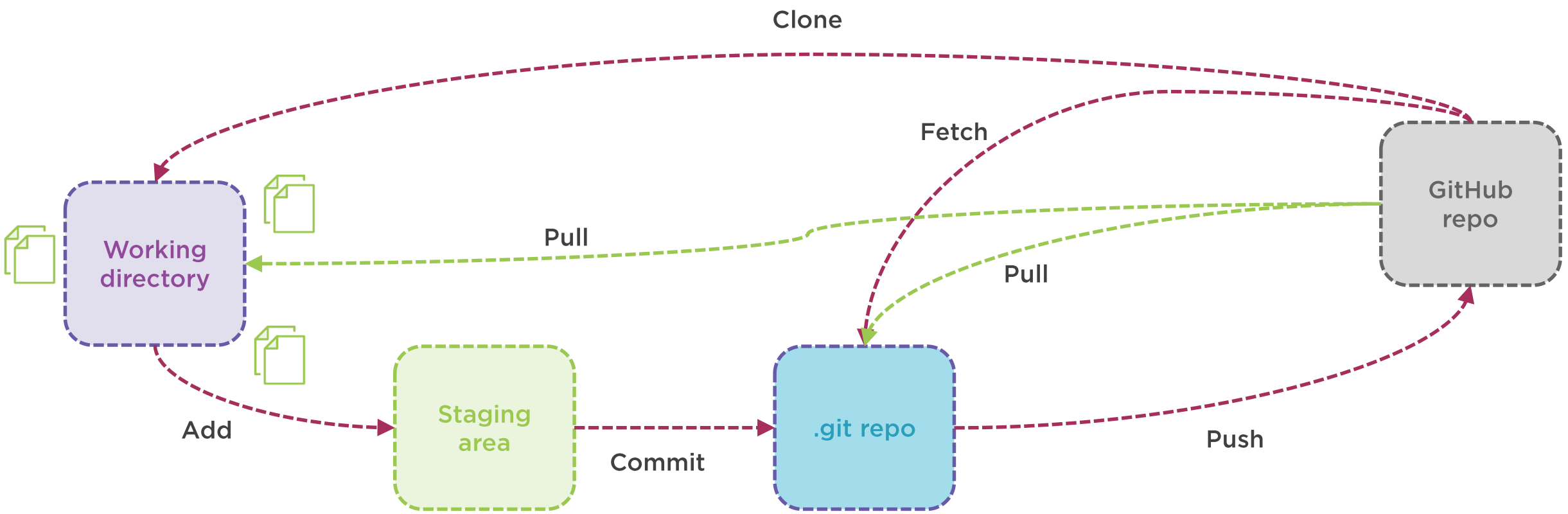


Demo

Working with repositories on GitHub

Connecting with GitHub Locally

Using Git Commands with GitHub



Demo

Cloning a repository

Making local changes

Pushing to GitHub

Demo

Working with multiple people on a repository

Fetching and pulling changes

Working with Special Files

README is special file known by GitHub

- Root, .github or docs folder

Rendered automatically on landing page

Typically written in markdown (.md)

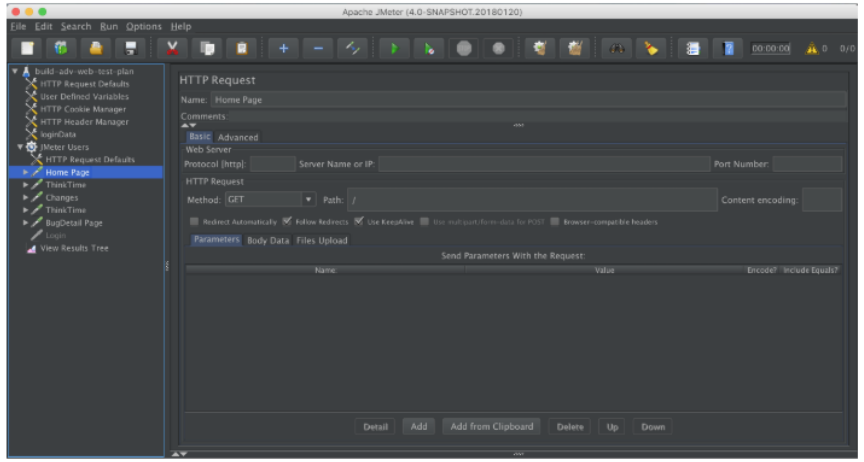
README File

Open Source application designed to load test applications and measure performance. By The Apache Software Foundation

build error | codecov 56% | license apache | stack overflow jmeter | maven central 5.2.1 | javadoc 5.2.1 | Tweet

What is it

Apache JMeter may be used to test performance both on static and dynamic resources, Web dynamic applications. It can be used to simulate a heavy load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types.



Apache JMeter features include:

Ability to load and performance test many different applications/server/protocol types:

- Web - HTTP, HTTPS (Java, NodeJS, PHP, ASP.NET,...)
- SOAP / REST Webservices
- FTP
- Database via JDBC
- LDAP

Other Known Files

LICENSE

CHANGELOG

CODE_OF_CONDUCT

CONTRIBUTING and CONTRIBUTORS

SUPPORT

CODEOWNERS

Sample Markdown Syntax

```
# This is an H1

## This is an H2

*   Red
*   Green
*   Blue
```

Full syntax available at https://daringfireball.net/projects/markdown/syntax

Demo

Adding special files

- README
- CODEOWNERS

Administering Your Repository

Repository Features

Topics	Issues	Insights
Projects	Pull Requests	Settings

Demo

Exploring the features and settings for a repository

Adding topics to the repository

Bringing in More Users

Collaborators

Core team of the project

Contributors

Lower permissions

Demo

Managing collaborators

Repository Insights

- Contributors
- Commits
- Traffic
- Code frequency

Demo

Exploring Repository Insights data

Summary

Repositories are the key building block for any GitHub interaction

Interaction locally also handled on level of repositories

Many features start from repositories

Up next:
Collaborating with the GitHub Flow