

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

**Working
directory**

Staging area

.git repo

GitHub repo



Repository Landing Page

The screenshot shows the GitHub repository landing page for 'ps-aspnetcore-architecture' by user 'GillCleeren'. The repository is private and has 2 watchers, 0 stars, and 0 forks. The main branch is 'main' with 1 branch and 0 tags. The repository contains 55 commits by GillCleeren, with the most recent commit on Dec 22, 2020. The repository includes a README.md file and a .gitignore file. The repository is primarily C# (92.0%), with HTML (5.8%), CSS (2.1%), and JavaScript (0.1%).

Repository Details:

- Repository: GillCleeren / ps-aspnetcore-architecture (Private)
- Unwatch: 2, Star: 0, Fork: 0
- Code: Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings
- main branch, 1 branch, 0 tags
- Go to file, Add file, Code

Commits:

Commit	Message	Time
GillCleeren Changes	5e79464 on Dec 22, 2020	55 commits
GloboTicket.TicketManagement.Api	More cleanup	5 months ago
GloboTicket.TicketManagement.App	Small fixes	5 months ago
GloboTicket.TicketManagement.App...	Tests	6 months ago
GloboTicket.TicketManagement.App...	More cleanup	5 months ago
GloboTicket.TicketManagement.Core	Initial	7 months ago
GloboTicket.TicketManagement.Do...	Clean up	6 months ago
GloboTicket.TicketManagement.Iden...	More cleanup	5 months ago
GloboTicket.TicketManagement.Infra...	Clean up	6 months ago
GloboTicket.TicketManagement.Pers...	Changes	5 months ago
.gitignore	Initial commit	7 months ago
GloboTicket.TicketManagement.sln	Unit tests working	6 months ago
README.md	Initial commit	7 months ago
nswagsettings.nswag	Changes	5 months ago

About:

- No description, website, or topics provided.
- Readme

Releases:

- No releases published
- Create a new release

Packages:

- No packages published
- Publish your first package

Languages:

- C# 92.0%
- HTML 5.8%
- CSS 2.1%
- JavaScript 0.1%

README.md:

ps-aspnetcore-architecture



Demo



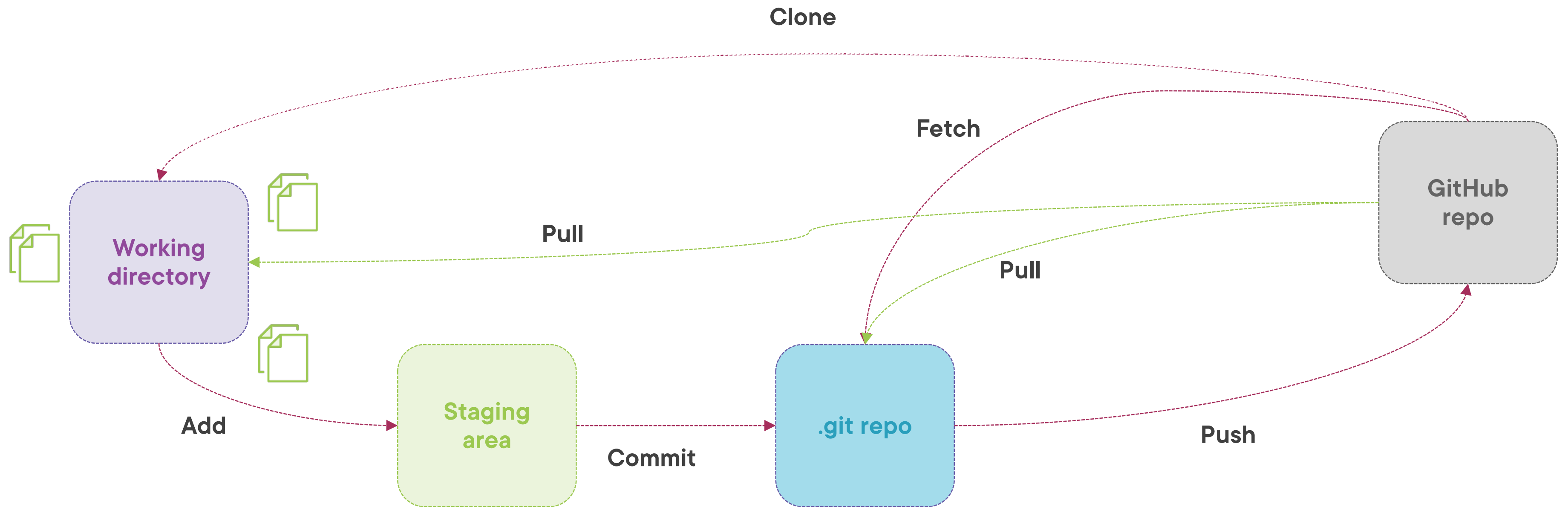
Working with repositories on GitHub



Connecting with GitHub Locally



Using Git Commands with GitHub



Demo



Cloning a repository

Making local changes

Pushing to GitHub



Demo



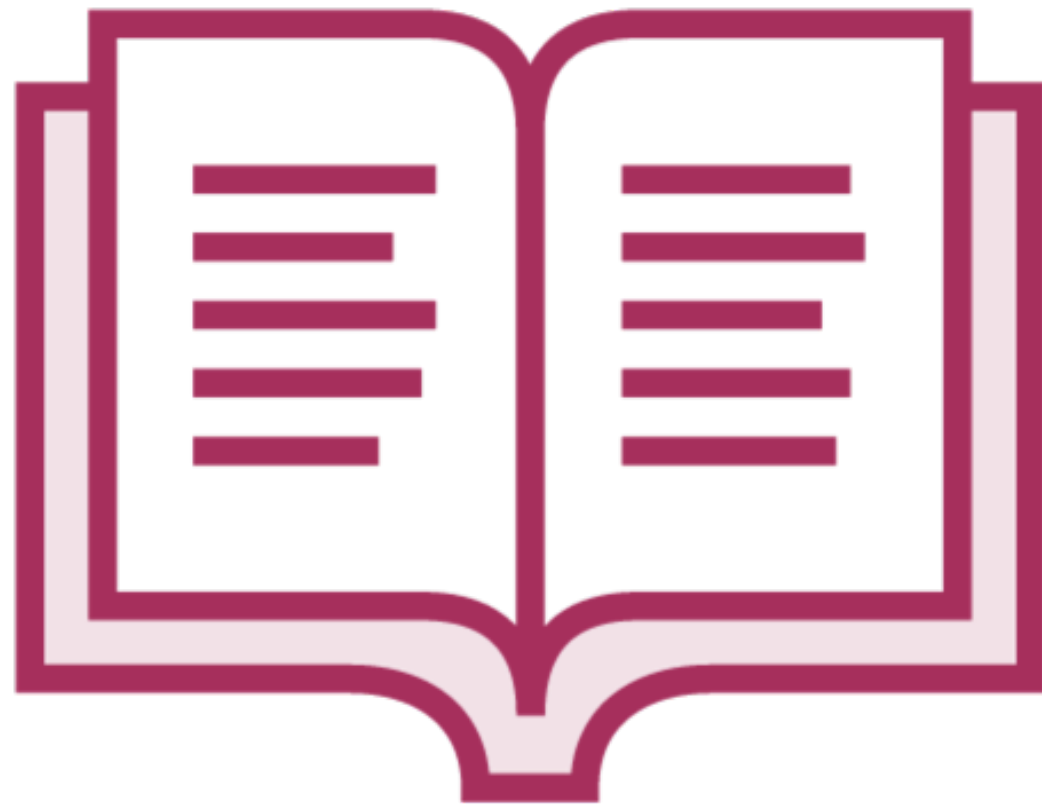
Working with multiple people on a repository

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

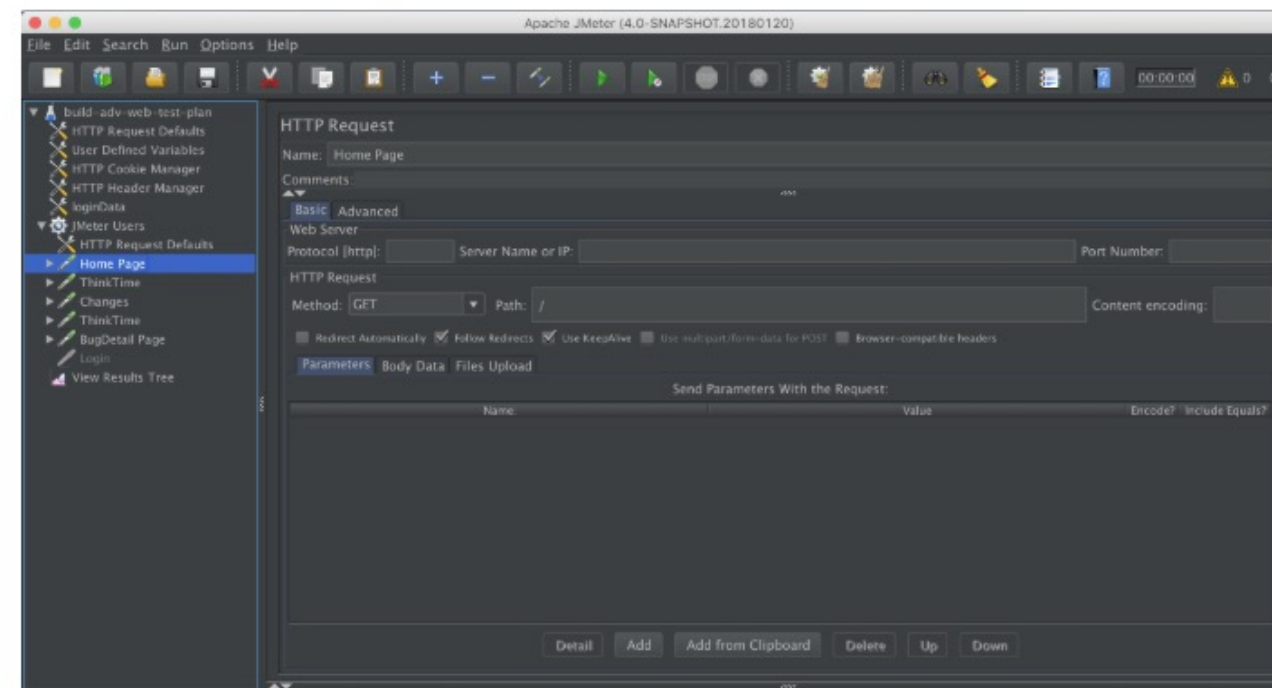


Open Source application designed to load test applications and measure performance. By The Apache Software Foundation

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](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

