

# Working with Repositories

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# Overview



**Understanding repositories**

**Connecting with GitHub locally**

**Working with special files**

**Administering your repository**



# Understanding Repositories

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**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 structure includes several folders and files, with the most recent changes being 'More cleanup' for 'Globoticket.TicketManagement.Api' and 'Small fixes' for 'Globoticket.TicketManagement.App'. The repository also includes a README.md file and a .gitignore file. The repository is primarily written in C# (92.0%), with other languages including HTML (5.8%), CSS (2.1%), and JavaScript (0.1%).

Search or jump to... Pull requests Issues Marketplace Explore

GillCleeren / ps-aspnetcore-architecture Private

Unwatch 2 Star 0 Fork 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file Code

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

README.md

ps-aspnetcore-architecture

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%



# Demo



## Working with repositories on GitHub



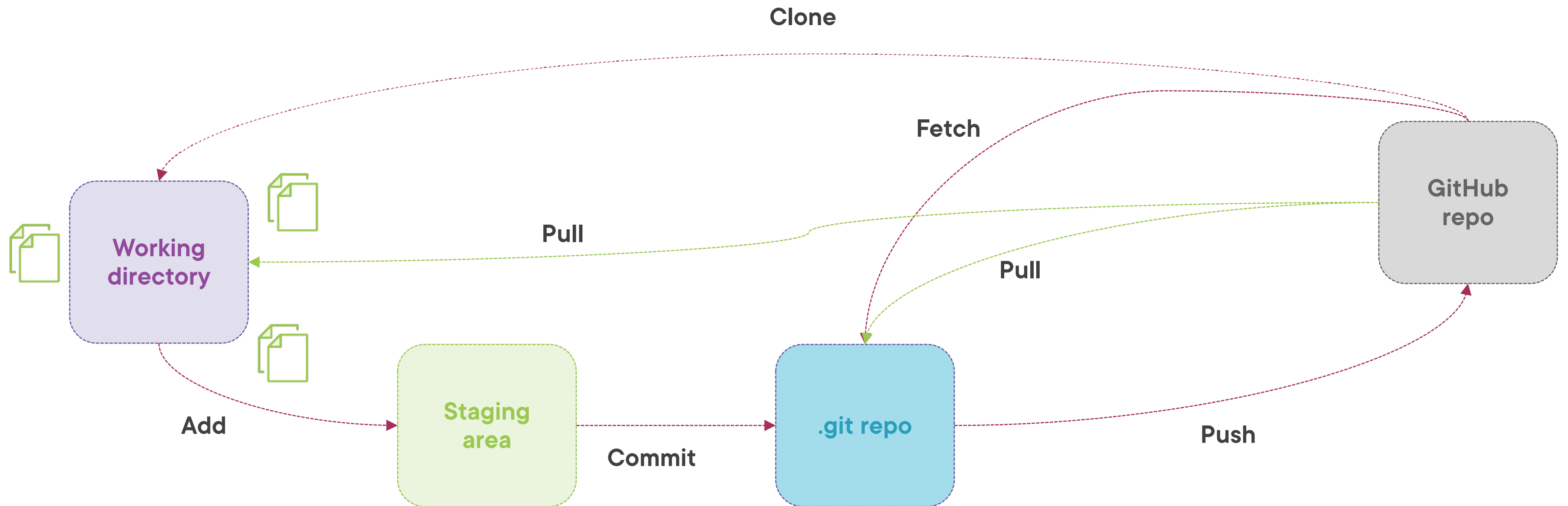
# Connecting with GitHub Locally

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# Using Git Commands with GitHub



# Demo



**Cloning a repository**

**Making local changes**

**Pushing to GitHub**



# Demo



**Working with multiple people on a repository**

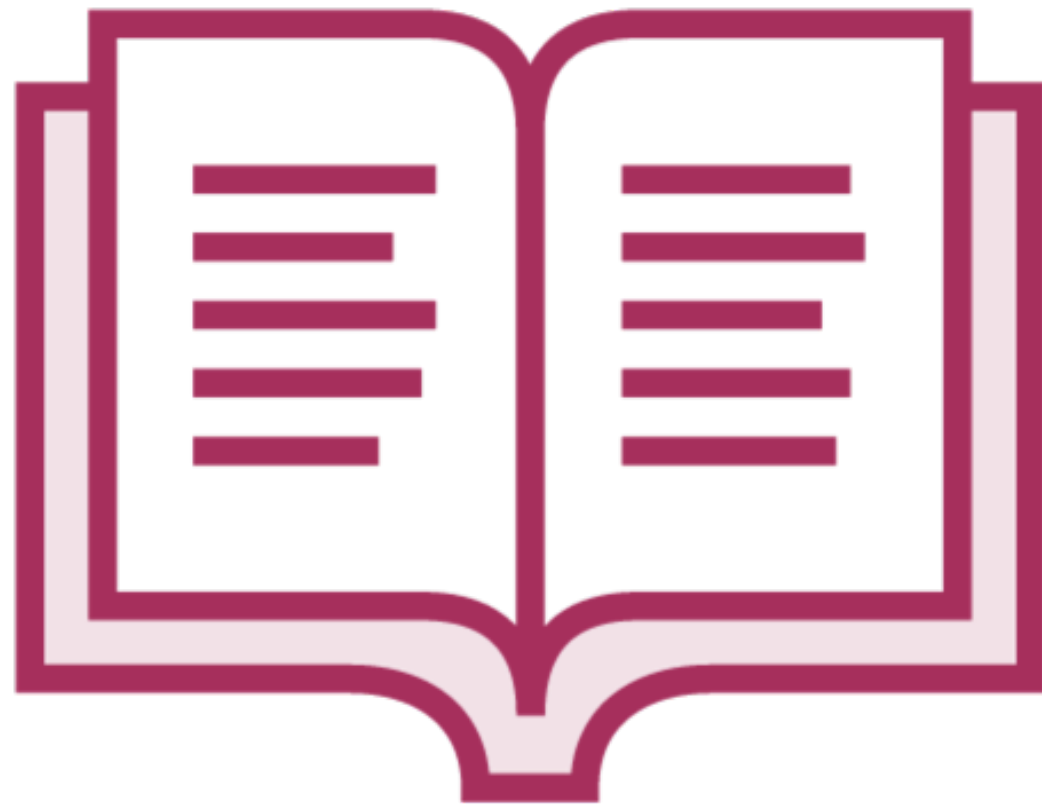
**Fetching and pulling changes**



# Working with Special Files

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**README is special file known by GitHub**

- Root, .github or docs folder

**Rendered automatically on landing page**

**Typically written in markdown (.md)**



# README File

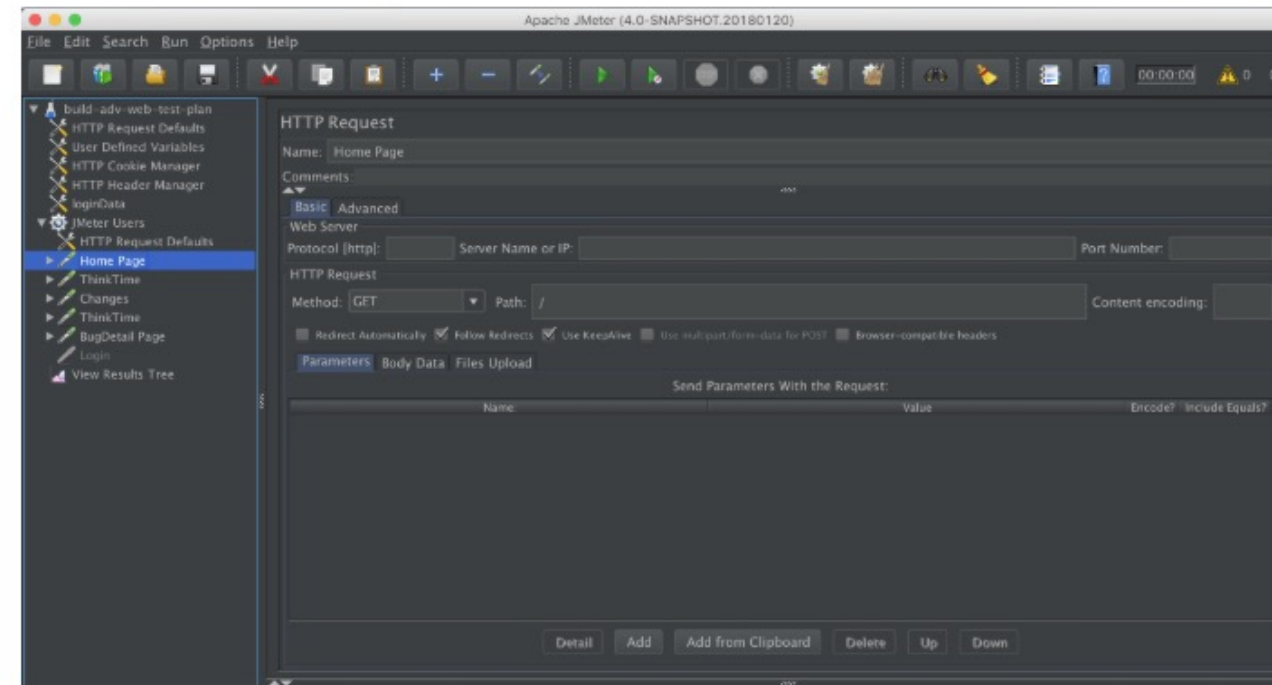


Open Source application designed to load test applications and measure performance. By The Apache Software Foundation

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

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# 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

