

# Model Writer

## Collaboration Tools

Github – egit – waffle.io

**Marwa Rostren - 10/12/2014**

# Summary

**1. GitHub**

**2. EGit**

**3. Waffle.io**

# GitHub - <https://github.com/>

- A web service for hosting and for management of software development
  - Git : an open-source system for version control
  - Hub: social network built around the Git system

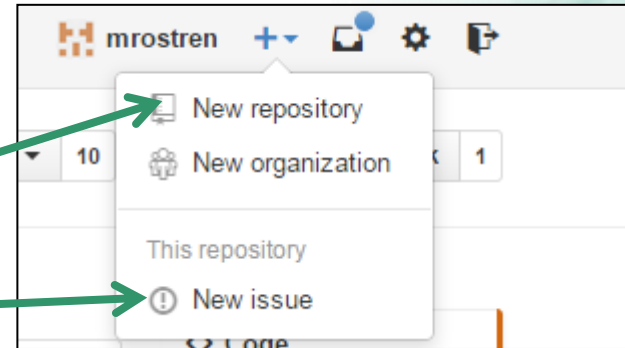
The screenshot shows the GitHub profile page for user 'mrosten'. The page includes a search bar, navigation links (Explore, Gist, Blog, Help), and a user profile section with a 'Pro tip' and an 'Edit profile' button. The main content area is divided into three tabs: Contributions, Repositories, and Public activity. The 'Repos' tab is selected, showing 'Popular repositories' and 'Repositories contributed to'. The 'Contributions' section displays a calendar grid for the year 2013, with a single green square indicating a contribution in January. Below the calendar, there are statistics for 'Year of contributions' (1 total), 'Longest streak' (1 day), and 'Current streak' (0 days). The 'Contribution activity' section at the bottom shows a message: 'mrosten has no activity during this period.'.

Annotations with arrows pointing to specific features:

- Notifications**: Points to the notification bell icon in the top right corner.
- My own repositories**: Points to the 'Repos' tab in the main content area.
- My contributions in another repositories**: Points to the 'Contributions' tab in the main content area.
- Organizations subscriptions**: Points to the 'Organizations' section on the left sidebar.

# GitHub - <https://github.com/>

- Create a new work repository :  
Create New ... -> New Repository
- Create a new issue:  
Create New... -> New issue



- To consult the shared code
- To consult the list of issues in the current repository
- To Consult the wiki



- The URL of the working directory to be cloned into eclipse

# GitHub - <https://github.com/>

- Do not forget to transmit your GitHub account identifier or connect by yourself to be a member of the ModelWriter project organization :

<https://github.com/ModelWriter>

# GitHub - <https://github.com/ModelWriter>

- Repositories links and ModelWriter Guides links:
  - <https://github.com/ModelWriter/Workshops> (dates, Workshops programs)
  - <https://github.com/ModelWriter/Project-Management>
  - <https://github.com/ModelWriter/WP1>
  - <https://github.com/ModelWriter/WP2>
  - <https://github.com/ModelWriter/WP3>
  - <https://github.com/ModelWriter/WP4>
  - <https://github.com/ModelWriter/WP5>
  - <https://github.com/ModelWriter/WP6>
  - <https://github.com/ModelWriter/WP7>
  - <https://github.com/ModelWriter/Project-Collaboration>
    - wiki + discussions

## Project-Wiki-and-Discussions

ModelWriter Project Wiki and Discussions

[GitHub - Step by Step For Beginners using SourceTree GUI](#)

- GitHub Notifications
- Egit Manual  
<https://drive.google.com/file/d/0ByqTKXWo8cT7VFN4WFlwZmFjbHc/view?usp=sharing>
- GitHub Manual  
<https://drive.google.com/file/d/0ByqTKXWo8cT7TG1vdGxQbkRqTWc/view?usp=sharing>
- Waffle Manual  
<https://drive.google.com/file/d/0ByqTKXWo8cT7N09MOEFOZTZ1WG8/view?usp=sharing>
- SourceTree Manual  
<https://drive.google.com/file/d/0ByqTKXWo8cT7aEtHcDBlenBUX3M/view?usp=sharing>

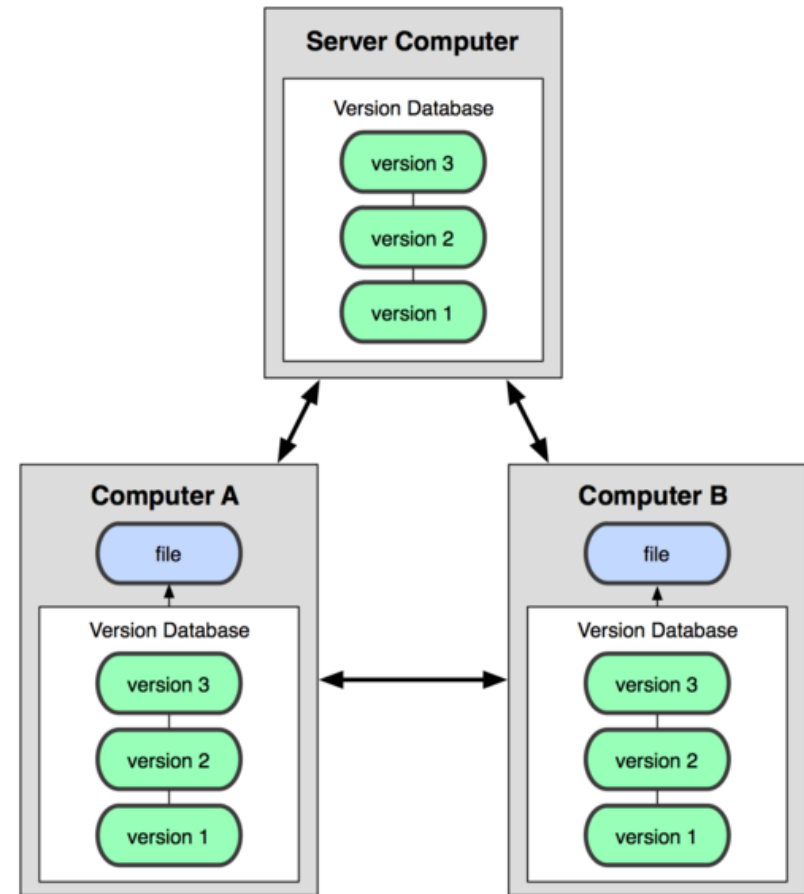
# Git

## Git – What is It?

**Decentralized** system for version control

## Git – Why using It?

- Faster & Trustworthy
  - Flexible & Powerful
  - Ensures good branches management
  - Decentralized
  - **Allows effective ways of working**
- 
- Each person has a full local copy of all the project history
  - The central server is just a convention
  - Adds an additional level for each “commit”
    - synchronized from/to a remote repository

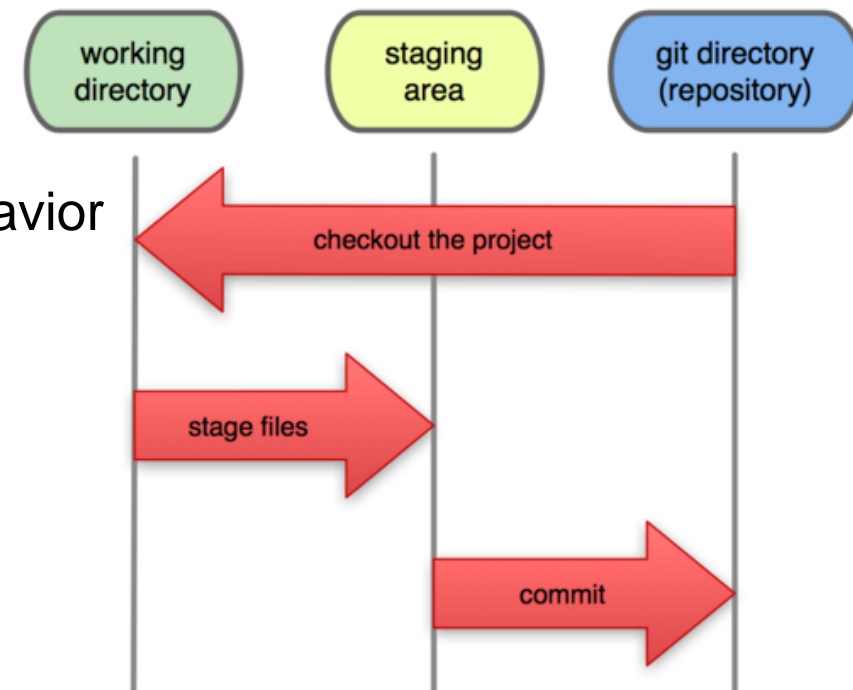


# Git – Concepts : Les différentes zones

- **Repository**: The .git repository
  - Contains all history, tags, branches, etc.
- **Working Copy**: The current working version
  - Completely regular files, alterable, movable, etc. without any concern for Git
  - A potentially changed state since the last checkout

- **Staging Area (Index)**: intermediate zone
  - Stored in .git
  - Fundamental to understand the Git behavior
- Git handles only files, not directories
  - An empty directory **does not** exist for Git

## Local Operations





# Egit – Git integrated as a Team Provider Eclipse

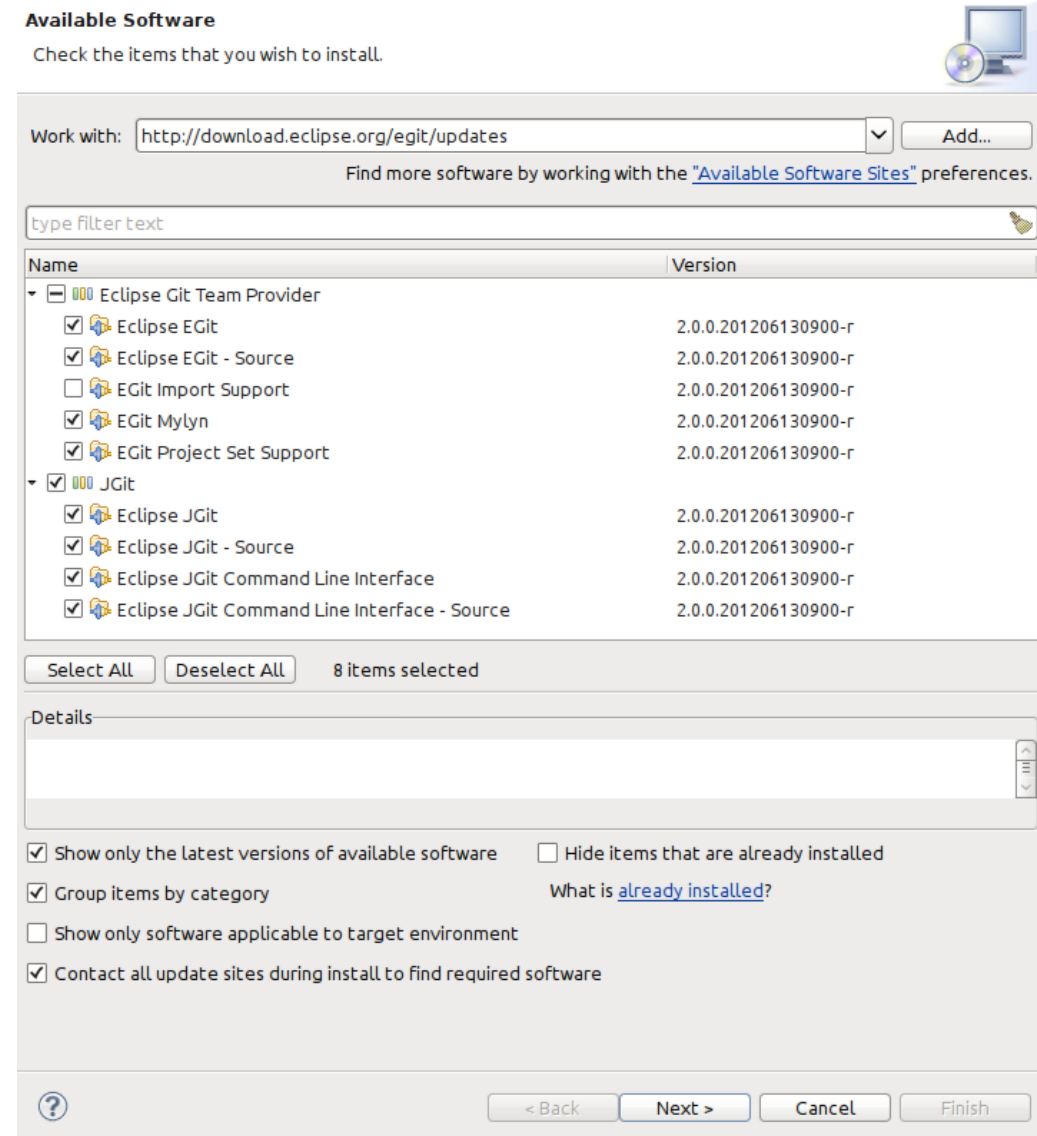
## Installation

- <http://download.eclipse.org/egit/updates>
- Do not check « *EGit Import Support* »

## Configuration

After the installation restart eclipse and access the Preferences

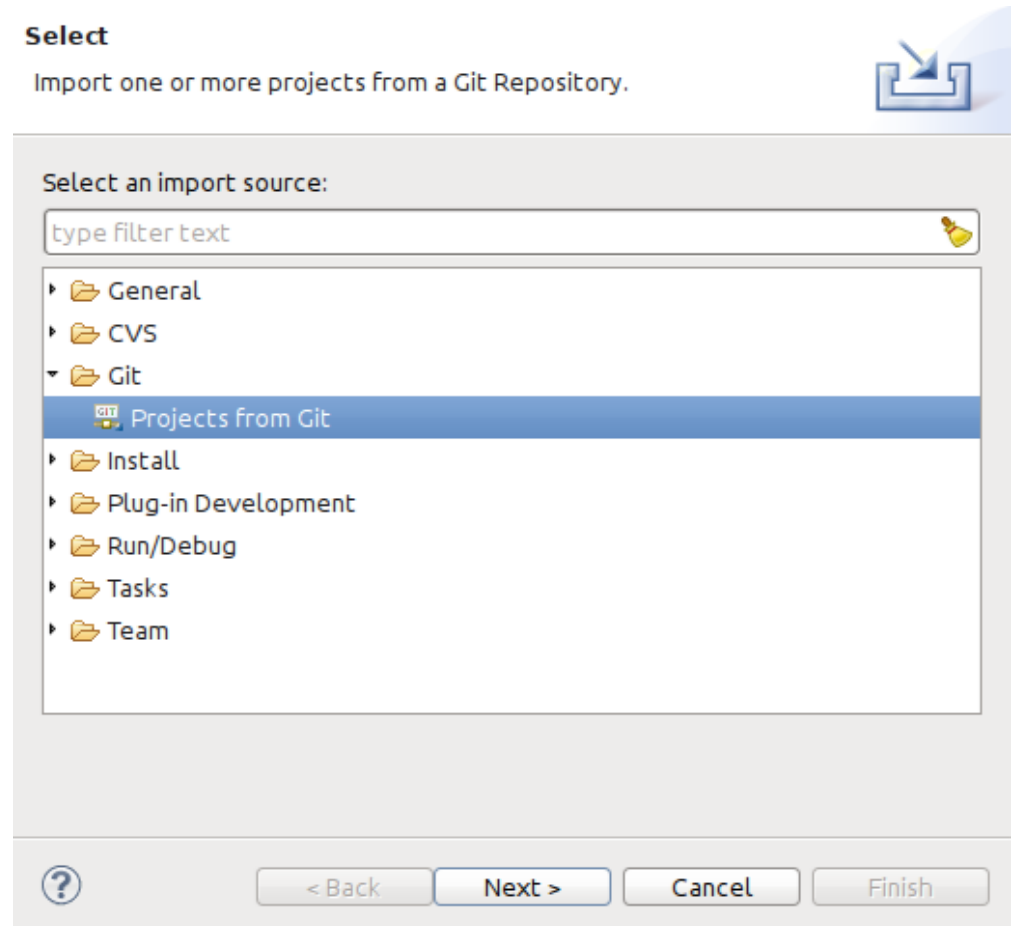
- Git > Configuration
  - Enter the default path to the git clone directory
- Team > Git > Configuration
  - Enter your own contact information in the « user » tab, this will be visible in GitHub to identify all “commits” authors



# Egit – Git integrated as a Team Provider Eclipse

## Git's Repos & Eclipse Workspaces

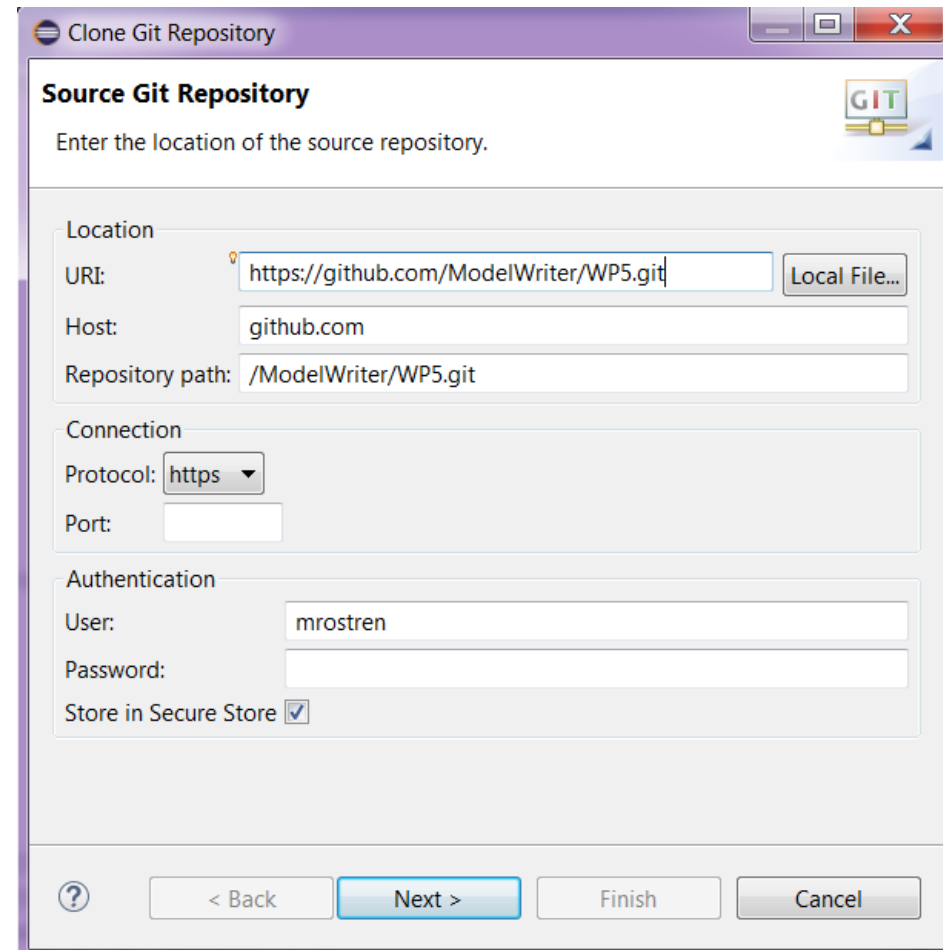
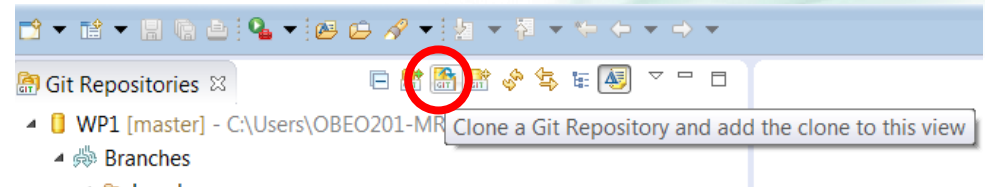
- Keep your Git's repositories outside any workspace !
  - By default, in ~/git for all repositories created by EGit
- **DO NOT** import It « manually » or copy projects physically to the workspace
- Use **always**:  
*Import > Git > Projects from Git*



# Egit – Git integrated as a Team Provider Eclipse

## Clone a repository

- **clone**: initializes a local repository from a remote
  - Copies the entire history (including branches & tags)
- Can be long if the we clone a huge project
  - Need to be done only once
- The origin cloned repository becomes  
The **origin**
- Authentication is done using your  
GitHub account



# Egit – Git integrated as a Team Provider Eclipse

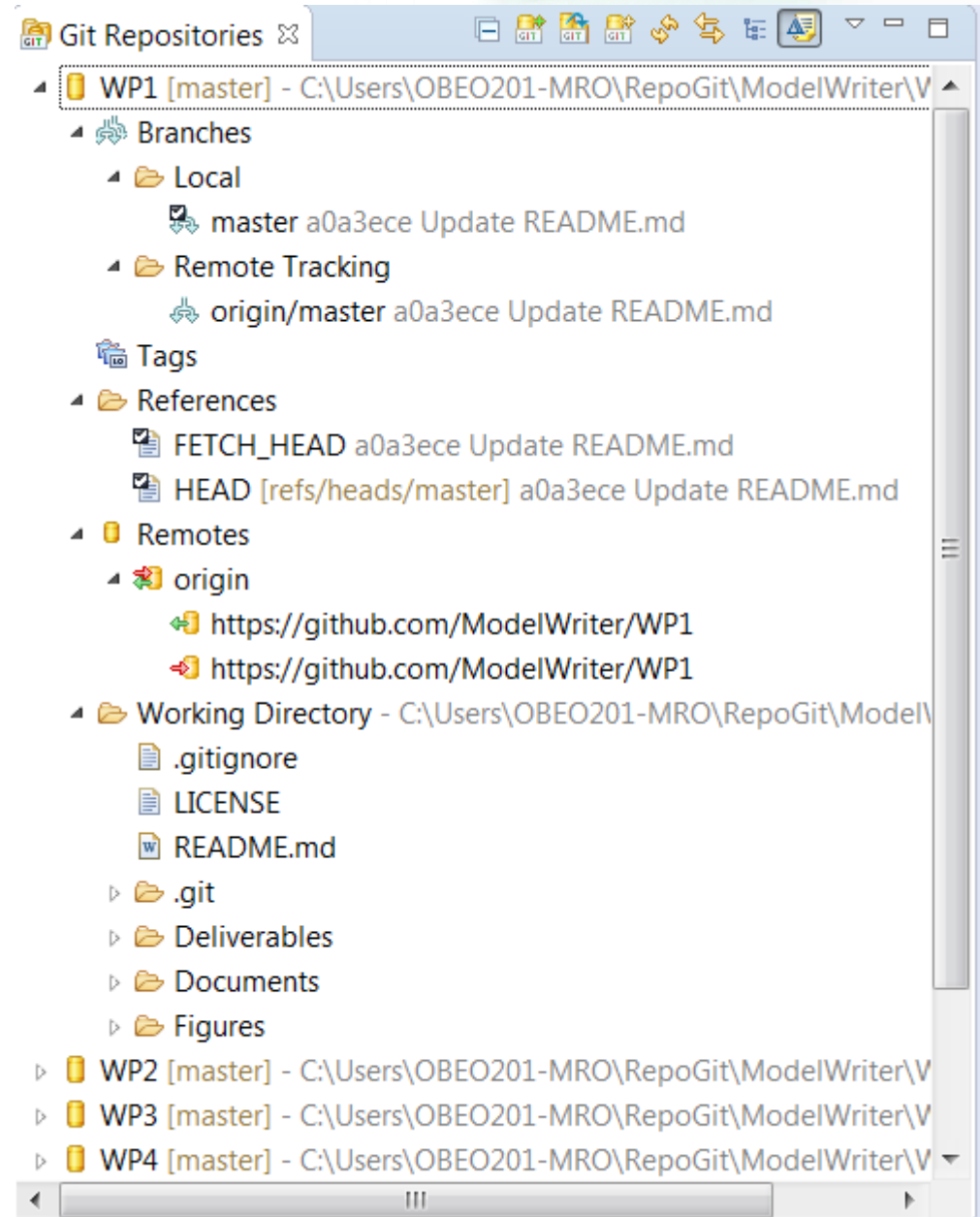
## Clone with EGit

- Go to the Git perspective
- Choose "Clone a Git repository and add the clone to this view"
- Enter The URL of the remote repository
- Choose which remote branches you want to get locally
  - By default, all of It
- Choose location of the local cloned repository
- Optionally, you can import the repository projects from the clone wizard.

# Egit – Git integrated as a Team Provider Eclipse

## « Git Repositories » view

- Shows the internal state of the local repository
- Branches
  - locales/personal
  - Cloned repository issues
- Tags
- Known remote repositories
- Working directory
  - Obtained by "checkout"-ing a branch, a remote or a tag



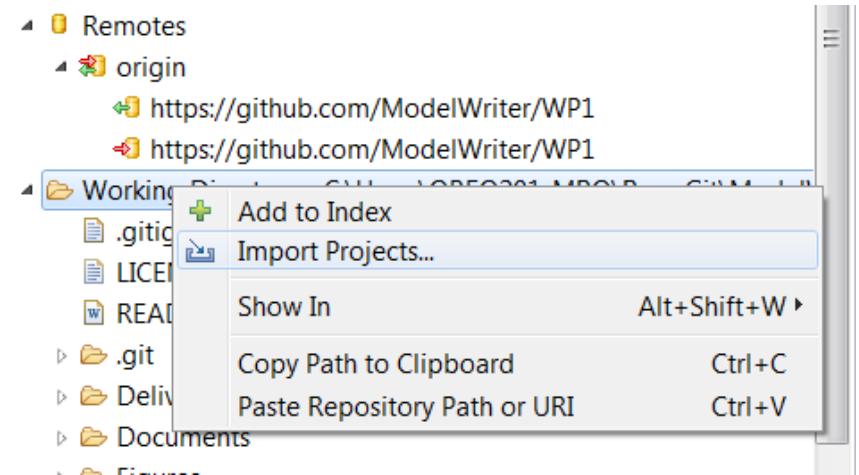
# Egit – Git integrated as a Team Provider Eclipse

## Import projects to the workspace

- File > Importer > Git > Projects from Git
  - Or « Import Projects » by right click on the repository in the “Git Repositories” View

## Basic local Workflow

- Edit files in your workspace
  - Without any concern for git
  - edit, add, delete, rename, move....
- Decide which modification must be concerned by your future commit(s)
  - In the « Git Staging » View
- Commit with a significant message
  - In the « Git Staging » View

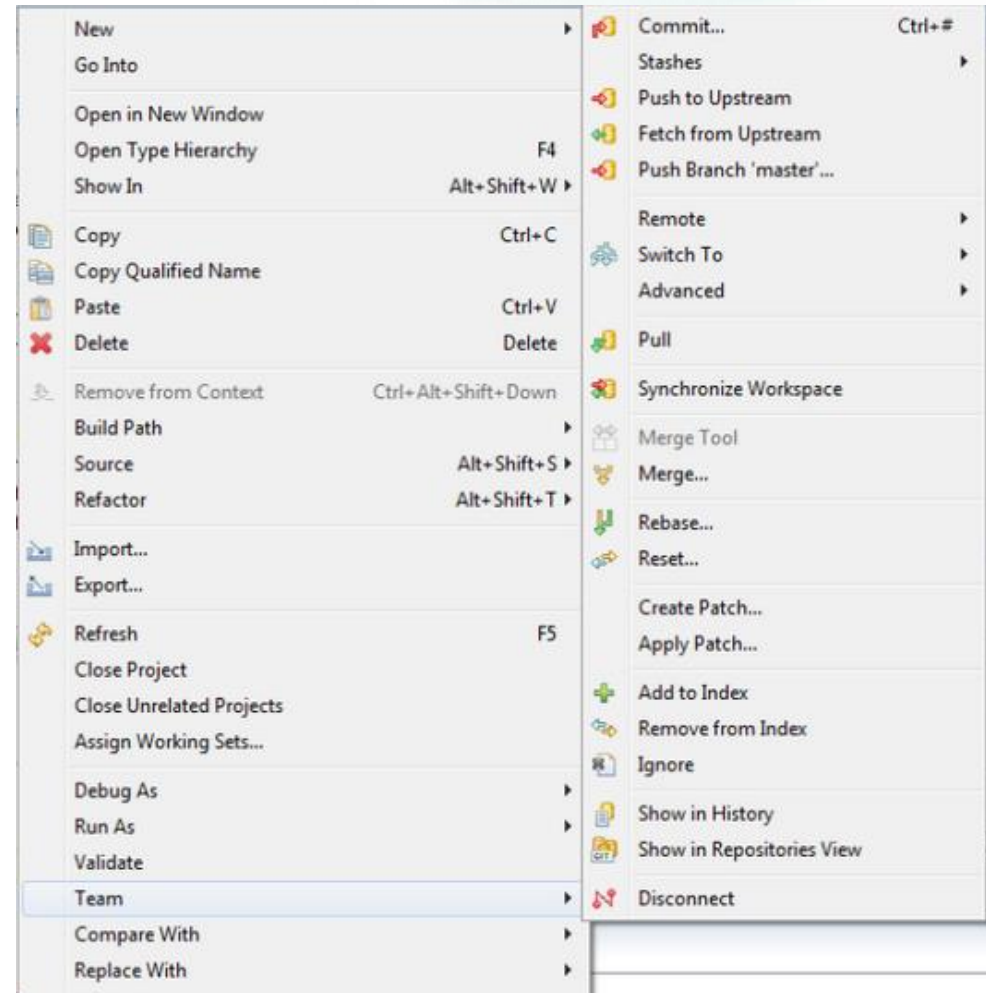


# Egit – Git integrated as a Team Provider Eclipse

## Git Operations

- You can reach the operation list by right click on a file, a directory, or a project in your workspace

1. Add to index
2. Commit
3. Create Patch
4. Apply patch
5. Ignore
6. Show in history
7. Pull
8. Fetch
9. Switch To
10. Push



A scenario for each operation is illustrated in:

<https://drive.google.com/file/d/0ByqTKXWo8cT7VFN4WFIwZmFjbHc/view>

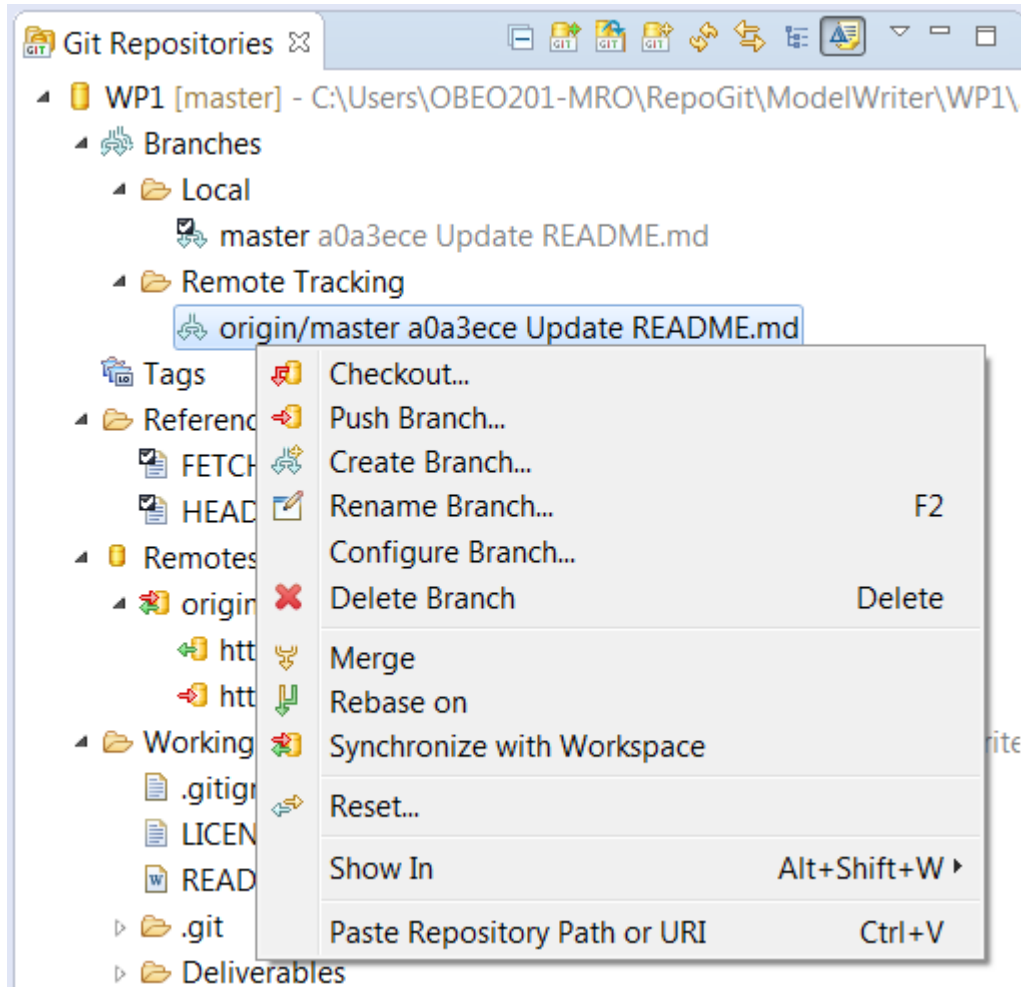


# Egit – Git integrated as a Team Provider Eclipse

## Git Operations

- You can reach the operation list by right click on a tag or on a branch in the “Git Repositories” View

1. Checkout
2. Push Branch
3. Create Branch
4. Merge
5. Rebase On
6. Synchronize with workspace
7. Reset



A scenario for each operation is illustrated in:

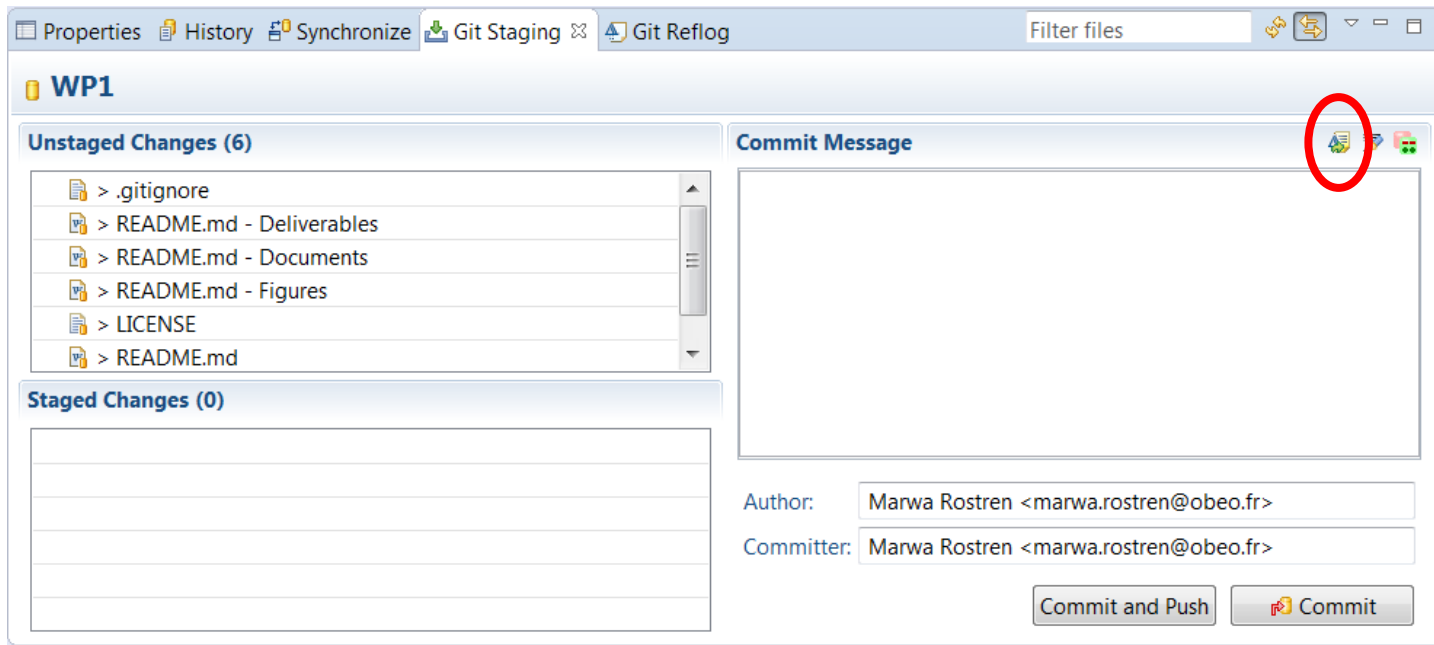
<https://drive.google.com/file/d/0ByqTKXWo8cT7VFN4WFlwZmFjbHc/view>



# Egit – Git integrated as a Team Provider Eclipse

## Git Operations

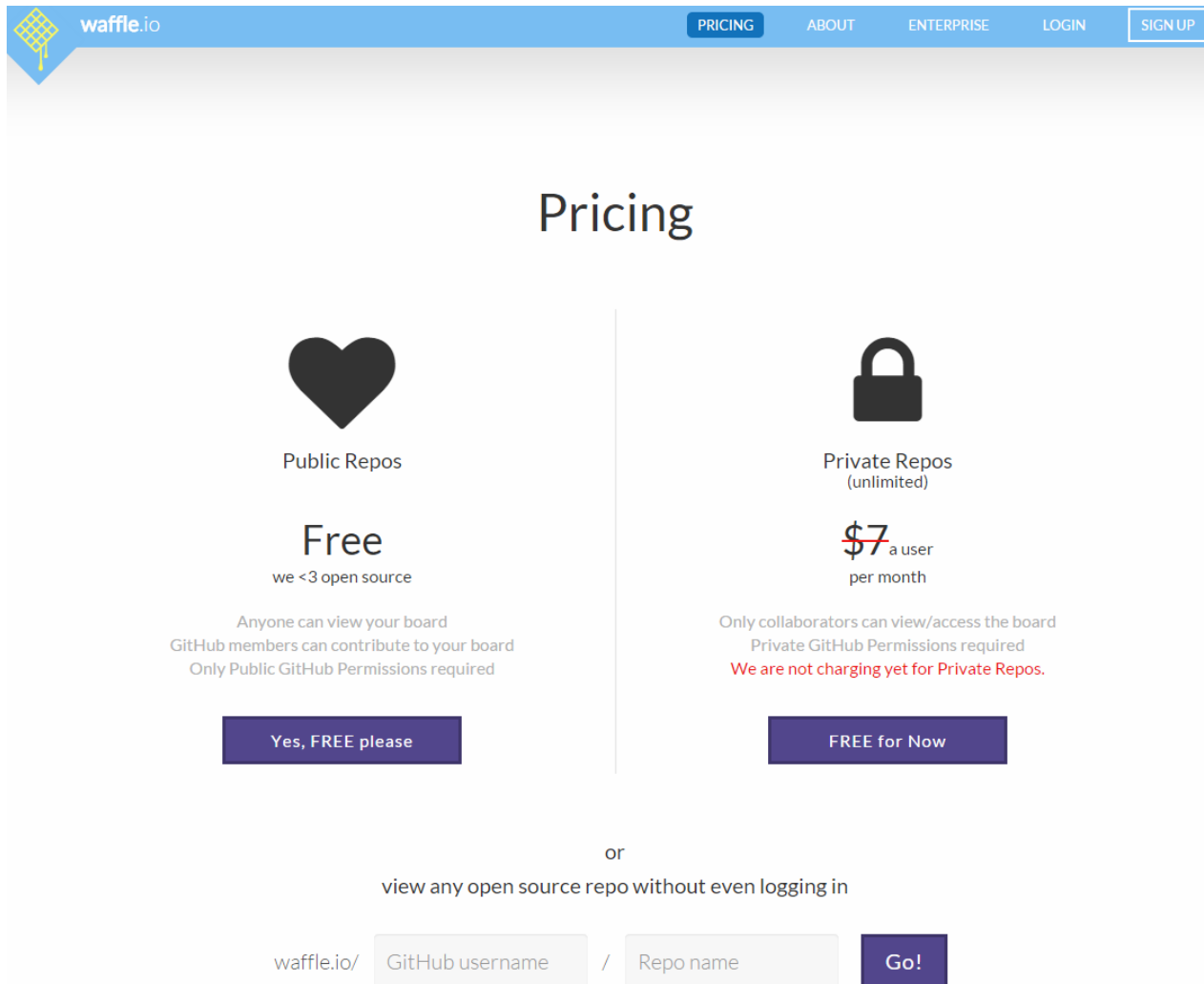
**Amend a commit – Be careful, to amend (rewrite) a commit, the commit must be a local one... never ever amend a shared commit on origin (GitHub server)**





- Useful for correcting a typo, a forgotten file, etc..
  - Including the commit message
- Overwrite the last commit
- In EGit use the "Amend" action
  - By default, the amend action uses the previous commit's message

# Waffle - <https://waffle.io/>

- A project management service
- Can be linked to GitHub
- Waffle board Issues  $\Leftrightarrow$  GitHub Issues in real time
- Ensures an automatic synchronization of issues states with GitHub



The screenshot shows the Waffle.io Pricing page. The header includes the Waffle logo, the domain 'waffle.io', and navigation links for PRICING, ABOUT, ENTERPRISE, LOGIN, and SIGN UP. The main heading is 'Pricing'. There are two pricing plans:

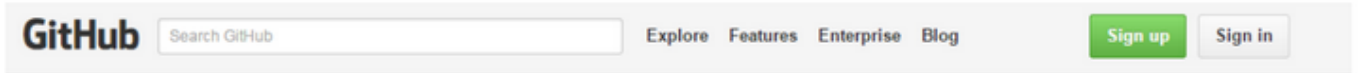
Public Repos	Private Repos (unlimited)
	
<b>Free</b> we <3 open source	<del>\$7</del> a user per month
Anyone can view your board GitHub members can contribute to your board Only Public GitHub Permissions required	Only collaborators can view/access the board Private GitHub Permissions required <b>We are not charging yet for Private Repos.</b>
<a href="#">Yes, FREE please</a>	<a href="#">FREE for Now</a>

or

view any open source repo without even logging in

waffle.io/  /  [Go!](#)

# Waffle - <https://waffle.io/>



- Claim the GitHub account

The image shows the GitHub sign-in form. It has a title "Sign in" in a blue header. Below the title, there are two input fields: "Username or Email" and "Password (forgot password)". At the bottom of the form is a "Sign in" button.

- When you sign in GitHub  
Waffle displays the boards list and  
Allow you to create new boards by suggesting  
existing GitHub repositories

Your Boards +

Filter boards

You don't have any boards yet, [click here](#) to add your first one.

Add a Board [Back to your boards.](#)

Just tell us which repository you want a board for, we will take care of the rest.

The image shows a list of GitHub repository suggestions for creating a new Waffle board. At the top is a search bar labeled "Filter repos". Below it is a list of repository names: ModelWriter/Document-Management, ModelWriter/modelwriter.github.io, ModelWriter/Product-Backlog, ModelWriter/Project-Collaboration, ModelWriter/Project-Management, ModelWriter/Requirements, ModelWriter/Workshops, ModelWriter/WP1, ModelWriter/WP2, ModelWriter/WP3, ModelWriter/WP4, ModelWriter/WP5, ModelWriter/WP6, and ModelWriter/WP7.

mrosten (logout)

## Closing Issues via Commits

Including a keyword and the issue # in your commit message will close that issue once it is merged into your default branch. This will automatically move the issue to the Done column on your Waffle board.

### keywords:

- close, closes, closed
- fix, fixes, fixed
- resolve, resolves, resolved

### examples:

same repo:

```
git commit -m "closes #104"
```

other repo:

```
git commit -m "closes username/repo#104"
```

Pull Requests are issues too, merging a Pull Request will close it.



# Waffle - <https://waffle.io/>

modelwriter/wp5

+ Add Issue

Filter Board

Queue 5

Backlog 4

ToDo 5

In Progress 5

Done 10

59

Updating WP5 Task and Deliverables

Sprint #2 1h T5.4 - Project Monitoring

58

Eclipse project proposal submission

Sprint #3 2d T7.5 - Community Forum & Open Source Campaign

57

Launching the website

Sprint #3 T7.4 - ModelWriter-ITEA Consortium Website

56

Applying for Co-Summit event in Berlin

Sprint #2 1h T7.3 - Workshops & Events

6

Share ModelWriter Documents - Share Google Drive Link

53

Contacting all partners to make their GitHub Membership public and add personal photo to increase the visibility to the project

Sprint #2 1h T7.5 - Community Forum & Open Source Campaign

27

Send an email to Dr. Michael Jastram to ask his advice about our project management approach

Sprint #3 1h T5.1 - European and National Coordination and Reporting

37

Develop an application to archive issues of modelwriter repositories

Sprint #3 3d Development T5.1 - European and National Coordination and Reporting

54

Making Conf room reservation in a Hotel for the 1st international workshop

Sprint #2 4h T7.3 - Workshops & Events

12

From each company, request project primary, secondary point of contacts, and technical contact (PCC and/or TCC members)

Sprint #2 1h T5.1 - European and National Coordination and Reporting

50

TR Use Case negotiation with TAI

Sprint #2 1h T1.4 - Industrial Use Cases for Turkish Consortium

51

TR Use Case negotiation with Aselsan

Sprint #2 1h T1.4 - Industrial Use Cases for Turkish Consortium

52

TR Use Case negotiation with Milsoft

Sprint #2 1h T1.4 - Industrial Use Cases for Turkish Consortium

61

TR Use Case negotiation with Havelan

7

ITEA & ARTEMIS Co-summit 2015 - ModelWriter Exhibition requirements Call for participation to ModelWriter

Sprint #2 8h T5.1 - European and National Coordination and Reporting T7.3 - Workshops & Events

49

Reporting the 1st national workshop to all partners

Sprint #2 1h T7.3 - Workshops & Events

44

Develop a web based application which produces burndown chart of waffle.io

Sprint #2 5d Development T5.1 - European and National Coordination and Reporting

23

Prepare a GitHub and SourceTree Video

Sprint #2 4h T5.1 - European and National Coordination and Reporting

21

Create an initial version for PCA and identify items to be discussed

63

Filled Issue elements for Table

62

Getting label,milestone,user for selected repo with githubApi

19

Planning Product-Backlog/Releases/Sprint (Milestones/Deliverables)

Sprint #2 8h Development T5.1 - European and National Coordination and Reporting

55

Checking WP for TUBITAK and sending Ack to Mantis

Sprint #2 2h T5.1 - European and National Coordination and Reporting

48

Inform partners about the success of ModelWriter presentation at UYMK and possible support of Aselsan from defense industry

Sprint #2 1h T7.3 - Workshops & Events

26

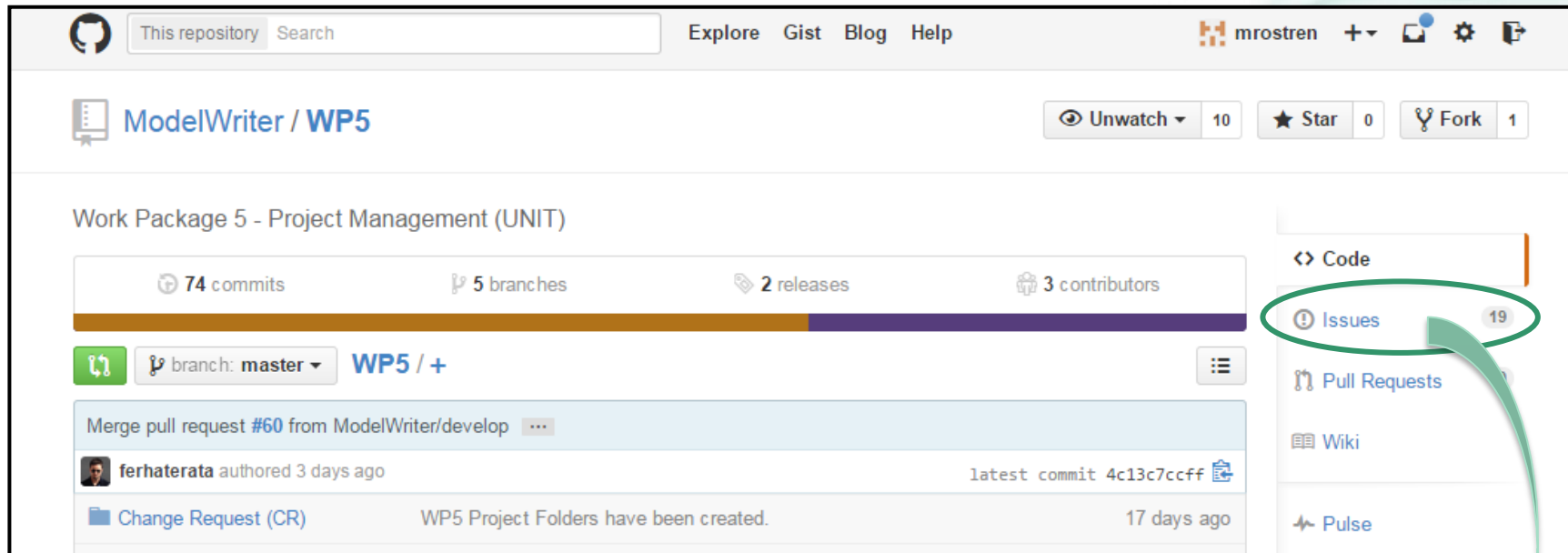
Ready 0

Show everyone what you're working on with a badge on your readme.

Send Pull Request

No Thanks

# Waffle - <https://waffle.io/>



This repository Search Explore Gist Blog Help mrosten

ModelWriter / WP5 Unwatch 10 Star 0 Fork 1

Work Package 5 - Project Management (UNIT)

74 commits 5 branches 2 releases 3 contributors

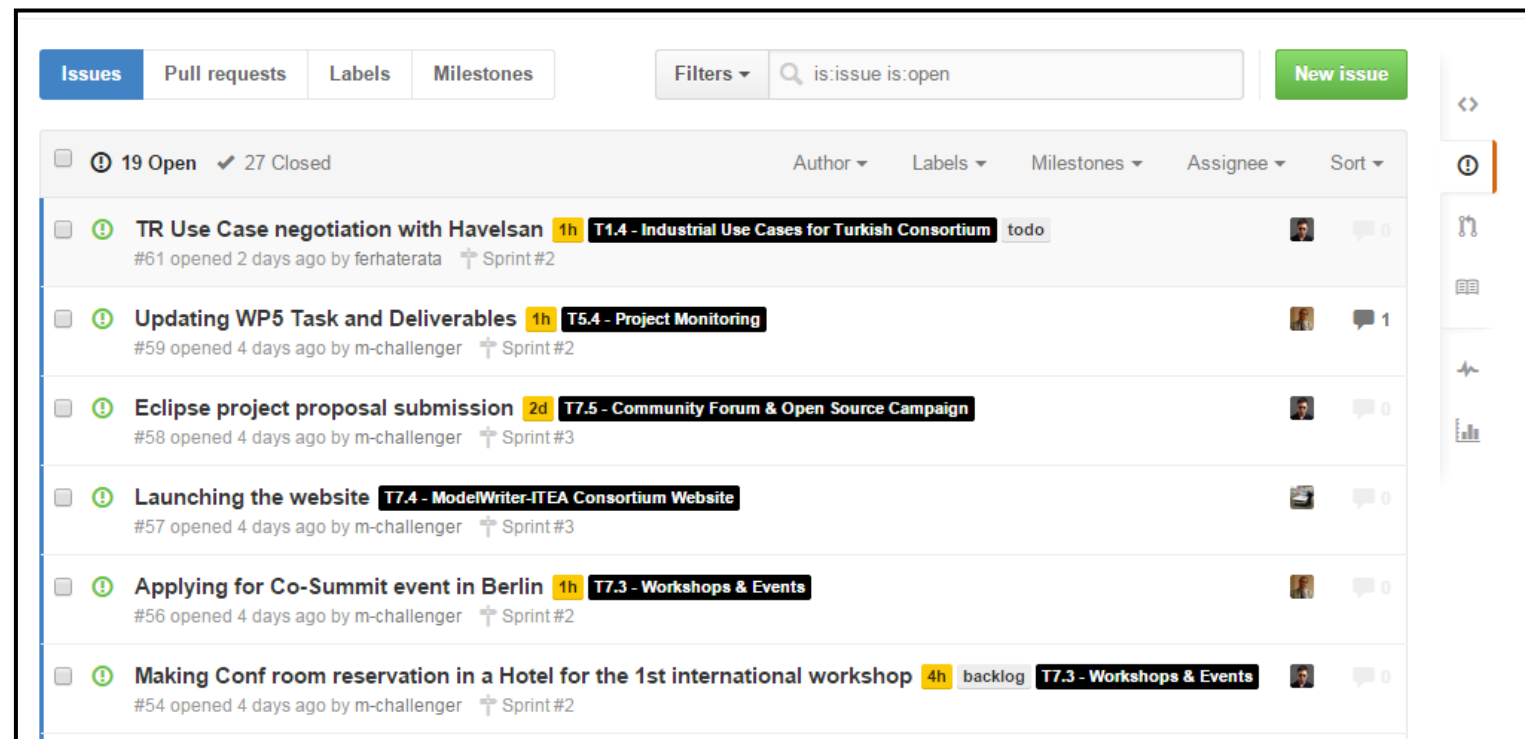
branch: master WP5 / +

Merge pull request #60 from ModelWriter/develop

ferhaterata authored 3 days ago latest commit 4c13c7ccff

Change Request (CR) WP5 Project Folders have been created. 17 days ago

Code Issues 19 Pull Requests Wiki Pulse



Issues Pull requests Labels Milestones Filters is:issue is:open New issue

19 Open 27 Closed Author Labels Milestones Assignee Sort

- TR Use Case negotiation with Havelsan 1h T1.4 - Industrial Use Cases for Turkish Consortium todo #61 opened 2 days ago by ferhaterata Sprint #2
- Updating WP5 Task and Deliverables 1h T5.4 - Project Monitoring #59 opened 4 days ago by m-challenger Sprint #2
- Eclipse project proposal submission 2d T7.5 - Community Forum & Open Source Campaign #58 opened 4 days ago by m-challenger Sprint #3
- Launching the website T7.4 - ModelWriter-ITEA Consortium Website #57 opened 4 days ago by m-challenger Sprint #3
- Applying for Co-Summit event in Berlin 1h T7.3 - Workshops & Events #56 opened 4 days ago by m-challenger Sprint #2
- Making Conf room reservation in a Hotel for the 1st international workshop 4h backlog T7.3 - Workshops & Events #54 opened 4 days ago by m-challenger Sprint #2

# Waffle - <https://waffle.io/>

- Waffle does not allow to create new labels or milestones
- Waffle allow you to:
  - Assign an issue to one or more person
  - Add labels
  - Link to a milestone

The screenshot displays the Waffle.io interface for a task titled "59 Updating WP5 Task and Deliverables". The interface is divided into several sections:

- Conversation Tab:** Shows a list of comments. The first comment is from "m-challenger" stating "No description given." The second comment is also from "m-challenger" stating "Eclipse project proposal submission".
- Pull Requests Tab:** Currently inactive.
- Right Sidebar:** Contains metadata for the task, including the assignee "m-challenger", the status "OPEN", and a link to "Labels". Below this, there is a section for "Milestone" with a dropdown menu showing "T5.4 - Project Monitoring" and "Sprint #2".
- Bottom Section:** A "Write" tab with a text input field and a "Comment" button.

- All modifications will be displayed in the concerned GitHub issue

# For more information

<https://github.com/ModelWriter/Project-Collaboration#github-manual>

<https://github.com/ModelWriter/Project-Collaboration#egit-manualgithub-eclipse-integration>

<https://github.com/ModelWriter/Project-Collaboration#waffle-manualgithub-waffle-integration>

Link to google drive :

[https://drive.google.com/open?id=0B115qHHFY\\_rud1YzdGxiWIZPeFk&authuser=0](https://drive.google.com/open?id=0B115qHHFY_rud1YzdGxiWIZPeFk&authuser=0)