

# Redmine & Gitlab Tutorial

---

4<sup>TH</sup> NOVEMBER 2015



# Tutorial for Coordinator

---

# Create Redmine Project

---

## Create New Project in Redmine

- Create for Client Project if not exist
- Create and refer to Client Project as a subproject

## Add Members to the Project

## Add Client to Project (if necessary)

Add Version (Sprint) to a Project (make sure to create project scheduling first → see [Additional Checklist page](#))



Enter Search Text

WGS Redmine D... ▼

# WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP ISSUES NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS


## New version

Name \* SPRINT 1

Description This is Sprint 1 Version. Date is due date of this version.

Status open ▼

Wiki page

Date 2015-11-11 

Sharing Not shared ▼

Create

# Create and Gitlab Project

---

Ask CTO or Sys Admin to create Gitlab project

Data that must be provided:

- Client
- Project Name
- Members

# Create Ticket from Gitlab


---

Go to the project dashboard

Click [+] button and click new issues

Fill ticket subject which could describe the task / issue

Fill ticket description as detail as possible

 **GitLab**

[Back to dashboard](#)

**Project**

Activity

Milestones

Issues

Merge Requests **0**

Members

Labels

Wiki

Settings

wgs-demo

WGS Demo / wgs-redmine-demo

Search in this project



## wgs-redmine-demo

This is repository for WGS Redmine Demo

★ 0

SSH

HTTP

ssh://git@gitlab.kiranatama.net

+

### The repository for this project is empty

If you already have files you can push them using command line  
Otherwise you can start with [adding README](#) file to

- New issue
- New merge request
- New branch
- New tag

### Command line instructions

#### Git global setup

```
git config --global user.name "WGS Demo"
git config --global user.email "automation@wgs.co.id"
```

#### Create a new repository

```
git clone ssh://git@gitlab.kiranatama.net:22/wgs-demo/wgs-redmine-demo.git
```



Enter Search Text

WGS Redmine D... ▼

# WGS Redmine Demo

OVERVIEW ACTIVITY ISSUES NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

## New issue

Tracker \* Tasks ▼

☐ Private

Subject \*

Description **B** *I* U ~~S~~ **C** H1 H2 H3 pre

Status \* New ▼

Parent task

Priority \* Normal ▼

Start date 2015-11-04

Assignee

Due date

Estimated time  Hours

% Done 0 % ▼

Checklist

Files  no files selected (Maximum size: 50 MB)





Enter Search Text

WGS Redmine D... ▼

# WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP ISSUES NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

## New issue

Tracker \* Tasks ▼

☐ Private

Subject \*

Description B I U S C H1 H2 H3 pre

This issue is explaining about creating a ticket.

Tracker is the type of the issue [Task | Feature | Bug | CR | Support]  
Subject \*MUST\* describe the issue / task  
Ticket description \*MUST\* be filled with the issue / task information in details.  
Status will be always \*NEW\* and \*MUST\* be updated by the \*Assignee\*  
Priority is to set the priority of the issue / task  
Assignee is the person in charge with the issue / task  
Start date and Due date \*MUST\* be filled  
Estimated time \*MUST\* be filled to determine the weight of the task / issue  
%Done \*MUST\* be updated by the \*Assignee\*

Status \* New ▼

Parent task

Priority \* Normal ▼

Start date 2015-11-04

Assignee WGS Demo ▼

Due date 2015-11-11

Target version SPRINT 1 ▼

Estimated time 4 Hours

% Done 0 % ▼

Checklist

Files Choose Files no files selected (Maximum size: 50 MB)

# Showing and Filtering Issues

---



Enter Search Text

WGS Redmine D... ▼

## WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP **ISSUES** NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

### Issues

▼ Filters

☒ Status

open ▼

Add filter

► Options

Apply Clear Save

✓	# ▼	Tracker	Status	Priority	Subject	Assignee	Start date	Due date	% Done
<input type="checkbox"/>	29289	Tasks	New	Normal	Commit Message in Gitlab	WGS Demo	11/04/2015	11/11/2015	<div></div>
<input type="checkbox"/>	29287	Tasks	In Progress	Normal	Update Ticket Status	WGS Demo	11/04/2015	11/11/2015	<div></div>

(1-2/2)

Also available in: Atom | CSV | PDF

#### Issues

[View all issues](#)  
[Summary](#)  
[Gantt](#)  
[Agile board](#)  
[Version planning](#)

[Agile charts](#)

[Issues burndown](#)

[Custom queries](#)

[Filtering Sprint](#)



Enter Search Text

WGS Redmine D... ▼

## WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP **ISSUES** NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

### Issues

▼ Filters

☒ Status

any ▼

Add filter ▼

► Options

Apply Clear Save

✓	# ▼	Tracker	Status	Priority	Subject	Assignee	Start date	Due date	% Done
<input type="checkbox"/>	29289	Tasks	New	Normal	Commit Message in Gitlab	WGS Demo	11/04/2015	11/11/2015	<div></div>
<input type="checkbox"/>	29287	Tasks	In Progress	Normal	Update Ticket Status	WGS Demo	11/04/2015	11/11/2015	<div></div>
<input type="checkbox"/>	29285	Tasks	Closed	Normal	Create New Ticket	WGS Demo	11/04/2015	11/11/2015	<div></div>

(1-3/3)

Also available in: Atom | CSV | PDF

#### Issues

[View all issues](#)

[Summary](#)

[Gantt](#)

[Agile board](#)

[Version planning](#)

[Agile charts](#)

[Issues burndown](#)

[Custom queries](#)

[Filtering Sprint](#)



Enter Search Text

WGS Redmine D... ▼

# WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP **ISSUES** NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

## Tasks #29285

Edit Log time Watch Delete



Create New Ticket

Added by WGS Demo 1 minute ago.

Status:	New	Start date:	11/04/2015
Priority:	Normal	Due date:	11/11/2015
Assignee:	WGS Demo	% Done:	<div><div></div></div> 0%
Category:	-	Estimated time:	4.00 h
Target version:	SPRINT 1		
Status-->	<a href="#">[New]</a> <a href="#">[In Progress]</a> <a href="#">[Resolved]</a> <a href="#">[Feedback]</a> <a href="#">[Rejected]</a> <a href="#">[Closed]</a> <a href="#">[Pending]</a>		

### Description

Quote

This issue is explaining about creating a ticket.

Tracker is the type of the issue [Task | Feature | Bug | CR | Support]  
Subject **MUST** describe the issue / task  
Ticket description **MUST** be filled with the issue / task information in details.  
Status will be always **NEW** and **MUST** be updated by the **Assignee**  
Priority is to set the priority of the issue / task  
Assignee is the person in charge with the issue / task  
Start date and Due date **MUST** be filled  
Estimated time **MUST** be filled to determine the weight of the task / issue  
%Done **MUST** be updated by the **Assignee**

### Issues

[View all issues](#)  
[Summary](#)  
[Gantt](#)  
[Agile board](#)  
[Version planning](#)

[Agile charts](#)  
[Issues burndown](#)

[Custom queries](#)  
[Filtering Sprint](#)

Watchers (0) [Add](#)

# Gantt Chart & Issue Breakdown

---



Enter Search Text

WGS Redmine D... ▼

# WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP ISSUES NEW ISSUE GANTT AGILE DOCUMENTS FILES TODOS SETTINGS

## Gantt

▼ Filters

☒ Status

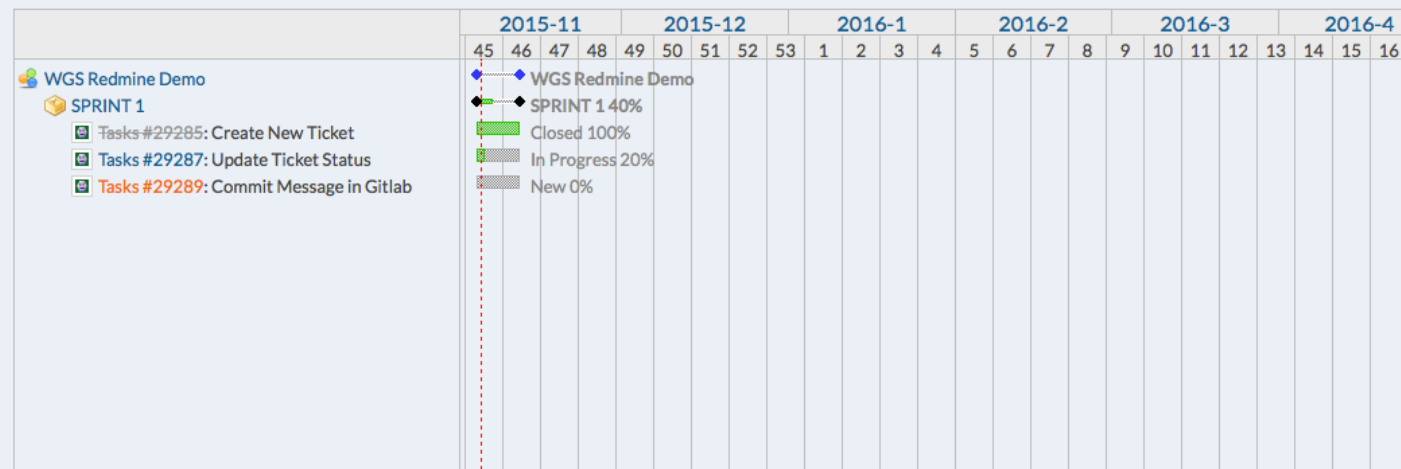
any ▼

Add filter ▼

► Options

6 months from November ▼ 2015 ▼ ☒ Apply ☐ Clear ☐ Save

Zoom in Zoom out



### Issues

[View all issues](#)

[Summary](#)

[Gantt](#)

[Agile board](#)

[Version planning](#)

[Agile charts](#)

[Issues burndown](#)

[Custom queries](#)

[Filtering Sprint](#)



Enter Search Text

WGS Redmine D... ▼

All Projects » WGS Redmine Demo »

## Agile charts

▼ Filters

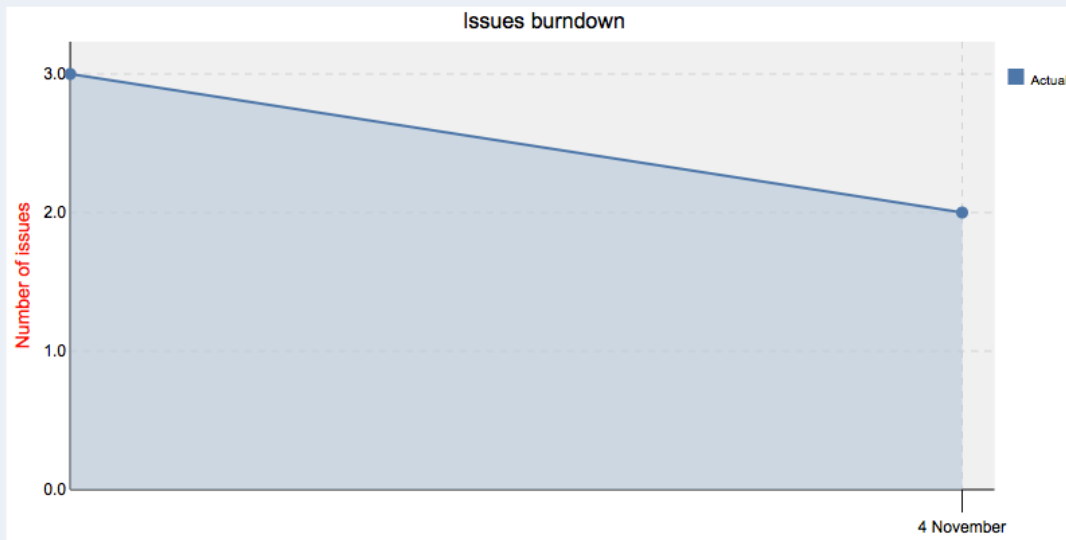
Add filter ▼

► Options

Chart Issues burndown ▼

From  To 2015-11-04

✓ Apply Clear



### Issues

[View all issues](#)

[Summary](#)

[Gantt](#)

[Agile board](#)

[Version planning](#)

### Agile charts

[Issues burndown](#)



# Additional Checklist

---

Make sure to request a creation of project's support e-mail to COO

Make sure to create Hangout / WhatsApp group for the project

Daily Scrum

Create project scheduling (Sprint and Milestone)

Create MoM and upload it to Redmine Document tabs

# Tutorial for Developer

---

# Using Branch

---

Use `git branch` to show all branches

List of branches should it be in a project

- master → deploy to staging / production
- hotfixes → fixing bug in staging / production
- develop → please work in this branch


If another branch needed for development, please create branch beginning with “develop-”

# Deployment Keys

---

Please add staging and production deployment keys (from server) to Project Deploy Keys.

If Deployment Keys is already used on another project, don't create new deploy keys but used deploy keys from the other project. Usually staging or production server that was used for several projects

 **GitLab**

[Back to dashboard](#)

Project

Activity

Files

Commits

Network

Graphs

Milestones

Issues

Merge Requests 0

Members

Labels

Wiki

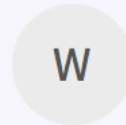
Settings

Settings

wgs-demo

WGS Demo / wgs-redmine-demo

Search in this project



## wgs-redmine-demo

This is repository for WGS Redmine Demo

★ 0

🔗 0

SSH

HTTP

ssh://git@gitlab.kiranatama.net



GLOBAL ▾

1 COMMIT

1 BRANCH

0 TAGS

0.12 MB


ADD CHANGELOG

ADD LICENSE


ADD CONTRIBUTION GUIDE


Readme for project configuration is a MUST





 GitLab


[Back to project](#)


 Project Settings

 Deploy Keys

 Web Hooks

 Services

 Protected Branches

 wgs-demo

<

### Project settings

Project name

wgs-redmine-demo

Project description  
(optional)

This is repository for WGS Redmine Demo

Default Branch

master

Visibility Level (?)

☒ Private

Project access must be granted explicitly for each user.

☐ Internal

The project can be cloned by any logged in user.


☐ Public

The project can be cloned without any authentication.

Tags

Separate tags with commas.

### Features:

 GitLab

[Back to project](#)


[Project Settings](#)

**[Deploy Keys](#)**

[Web Hooks](#)

[Services](#)

[Protected Branches](#)

 wgs-demo

## Deploy keys allow read-only access to the repository

+ NEW DEPLOY KEY

New Deploy Key

Deploy keys can be used for CI, staging or production servers. You can create a deploy key or add an existing one

### Enabled deploy keys for this project

Create a new deploy key or add an existing one

### Deploy keys from projects you have access to

Deploy keys from projects you have access to will be displayed here

# Commit Message

---

Please use commit message that referencing the Redmine ticket number and describing what is the commit for and Redmine ticket would be updated automatically.

```
git commit -m "<[STATUS]> #<TICKET NUMBER> -  
<DESC>"
```

For example:

```
git commit [files] -m "[CLOSED] #29285 - adding README"  
git commit [files] -m "[FIXING] #31224 - trying to add log"
```



# Commit Message Status Keyword

---


In Progress → [RESOLVING <percentage>], [FIXING <percentage>]

Resolved → [RESOLVED], [FIXED]


Closed → [CLOSED]


Ticket that already “Closed” couldn’t be updated to “In Progress” / “Resolved” automatically with commit message.


Percentage is from 10 to 90


 **GitLab**


[Back to dashboard](#)


 Project


 Activity


 Files


 **Commits**


 Network


 Graphs


 Milestones


 Issues


 Merge Requests **0**

 Members

 Labels

 Wiki

 Settings

 **wgs-demo**

<

WGS Demo / wgs-redmine-demo · Commits


Search in this project




Commits **1** Compare Branches **1** Tags **0**

master

wgs-redmine-demo




 04 Nov, 2015

**Closed #29285 - adding README**

69faec45

1 commit

 Pingadi 

Issue: External Issue 29285

 2 hours ago

[Browse Code »](#)

# Tutorial for Master

---

# Setup Gitlab Redmine Services

---

Project url:

[http://engineering.wgs.co.id/projects/:issue\\_tracker\\_id](http://engineering.wgs.co.id/projects/:issue_tracker_id)

New issue url:

[http://engineering.wgs.co.id/projects/:issue\\_tracker\\_id/issues/new](http://engineering.wgs.co.id/projects/:issue_tracker_id/issues/new)

Change the :issue\_tracker\_id with redmine project id



GitLab

[Back to project](#)

[Project Settings](#)

[Deploy Keys](#)

[Web Hooks](#)

**[Services](#)**

[Protected Branches](#)

WGS Demo / wgs-redmine-demo · Settings

Search in this project



## Redmine ●

Redmine issue tracker

[← to services](#)

Active



Description

Redmine issue tracker

Project url

<http://engineering.wgs.co.id/projects/wgs-redmine-demo>

Issues url

<http://engineering.wgs.co.id/issues/:id>

New issue url

<http://engineering.wgs.co.id/projects/wgs-redmine-demo/issues/new>

SAVE

TEST SETTINGS

# Setup Gitlab Web Hooks to Redmine

---

Web Hooks url:

[http://engineering.wgs.co.id/gitlab\\_hook?key=y5xaLGMPuTVwl9ldTX8P&project\\_id=:issue\\_tracker\\_id](http://engineering.wgs.co.id/gitlab_hook?key=y5xaLGMPuTVwl9ldTX8P&project_id=:issue_tracker_id)

Change the :issue\_tracker\_id with redmine project id



## Web hooks

Web hooks can be used for binding events when something is happening within the project.

URL

`http://engineering.wgs.co.id/gitlab_hook?key=y5xaLGMpuTVwl9IdTX8P&project_id=:issue_tracker_id`

Trigger

☒ **Push events**

This url will be triggered by a push to the repository

☐ **Tag push events**

This url will be triggered when a new tag is pushed to the repository

☐ **Comments**

This url will be triggered when someone adds a comment

☐ **Issues events**

This url will be triggered when an issue is created

☐ **Merge Request events**

This url will be triggered when a merge request is created

SSL verification

☒ **Enable SSL verification**

# Setup Redmine Repositories

---

Go to Redmine Project – Settings – Repositories

Create New Repository

Set SCM to **git**

Set path to repositories to:

/gitrepo/<repository\_namespace>/<repo\_name>.git

Example:

/gitrepo/wgs-demo/wgs-redmine-demo.git





Enter Search Text

Jump to a project...

# WGS Redmine Demo

OVERVIEW ACTIVITY ROADMAP ISSUES NEW ISSUE GANTT AGILE DOCUMENTS FILES REPOSITORY TODOS SETTINGS

## Settings

Information Modules Members Versions Issue categories **Repositories** Activities (time tracking)

Name \* WGS Redmine Demo

Description **B** *I* U ~~S~~ **C** H1 H2 H3     pre    

This is PM Tools for WGS Redmine Demo

Identifier \* wgs-redmine-demo

Homepage

Public ☐

Subproject of

Inherit members ☐



Enter Search Text

Jump to a project...

# WGS Redmine Demo

- OVERVIEW
- ACTIVITY
- ROADMAP
- ISSUES
- NEW ISSUE
- GANTT
- AGILE
- DOCUMENTS
- FILES
- TODOS
- SETTINGS**

## Settings

- Information
- Modules
- Members
- Versions
- Issue categories
- Repositories**
- Activities (time tracking)

No data to display

 New repository



Enter Search Text

Jump to a project...

# WGS Redmine Demo

OVERVIEW   ACTIVITY   ROADMAP   ISSUES   NEW ISSUE   GANTT   AGILE   DOCUMENTS   FILES   REPOSITORY   TODOS   SETTINGS

## Repository

SCM Git

Main repository ☒

Identifier

Length between 1 and 255 characters. Only lower case letters (a-z), numbers, dashes and underscores are allowed.  
Once saved, the identifier cannot be changed.

Path to repository \*

Repository is bare and local (e.g. /gitrepo, c:\gitrepo)

Path encoding

Default: UTF-8

Report last commit for ☐  
files and directories

Save   Cancel