

# Redmine Plugin

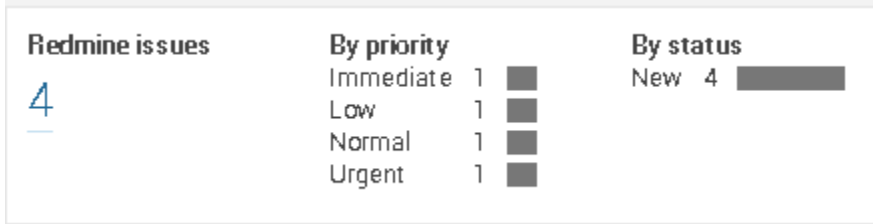
<p>Your browser does not support iframes.</p>

## Description / Features

This plugin connects SonarQube to [Redmine](#) issue and project management tool in various ways.

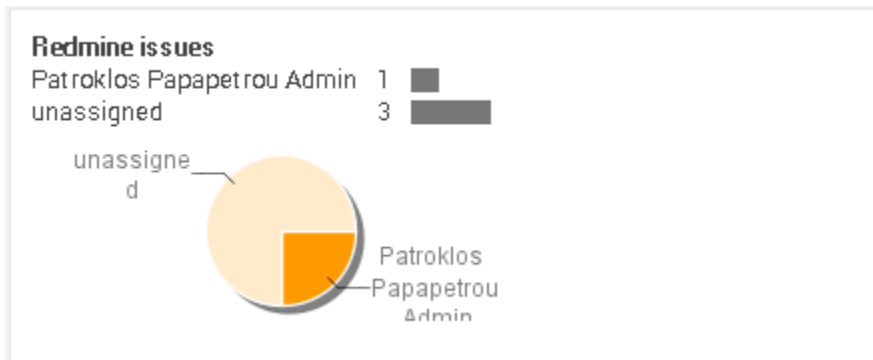
### Widget "Redmine Issues"

SonarQube retrieves the number of open issues associated to a project from [Redmine](#). It then reports on the total number of issues and distribution by priority.



### Widget "Redmine Developers"

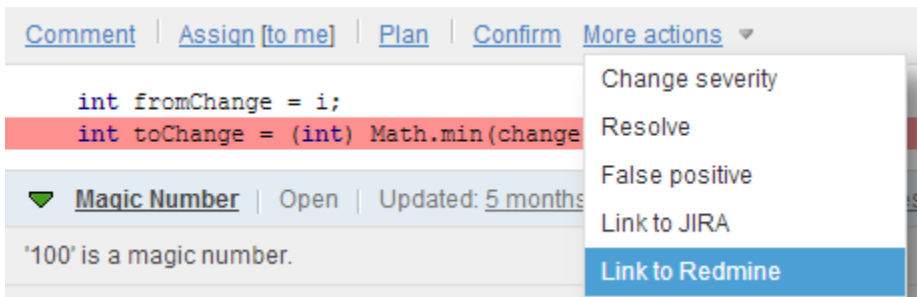
SonarQube retrieves the number of open issues associated to a project from [Redmine](#). It then reports on the total number of issues and distribution by developers.




### Link a SonarQube review to a Redmine Issue

This feature allows you to create a review (on a violation) that will generate a Redmine Issue on your configured Redmine Installation


When logged in, you should find the "Link to Redmine" action available on any violation:



You can enter any comment and after you press "Link to Redmine", a new review comment is added on the violation: you can see the link to the newly-created Redmine issue.

 [Singular Field](#) | [Open](#) | Updated: [5 months](#) | Technical debt: [30 minutes](#)

Perhaps 'currentFile' could be replaced by a local variable.

 Administrator (less than a minute) | [Edit](#) [Delete](#)

Review linked to Redmine issue: <http://localhost:8070/redmine/issues/5>

[Comment](#) | [Assign \[to me\]](#) | [Plan](#) | [Confirm](#) [More actions](#) ▾

And the corresponding Redmine Issue looks like:

## Bug #8

**SonarQube Review #b7bd9da3-0741-4a28-9685-3b23227272bf - Correctness - Invocation c**

Added by [Patroklos Papapetrou Admin](#) less than a minute ago.

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	-	<b>% Done:</b>	
<b>Category:</b>	-	<b>Spent time:</b>	
<b>Target version:</b>	-		






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**Description**

**Violation detail:**  
 DMI\_INVOKING\_TOSTRING\_ON\_ARRAY - Correctness - Invocation of toString on an array

Check it on SonarQube: <http://localhost:9000/issue/show/b7bd9da3-0741-4a28-9685-3b23227272bf>

## Requirements

Plugin	0.1	0.2
Redmine 2.2+		
Redmine 2.0 - 2.1		
Redmine 1.x.x		

## Installation

1. Install the plugin through the [Update Center](#) or download it into the `SONARQUBE_HOME/extensions/plugins` directory
2. Restart the SonarQube server

## Usage

### Before you configure the plugin you need to get Redmine's API Access key

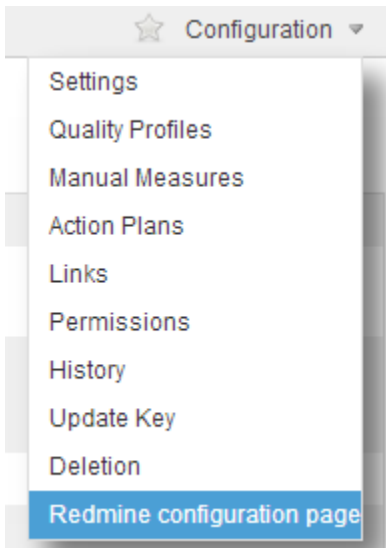
1. Log in to your Redmine installation with administration rights
2. Navigate to **Administration > Settings > Authentication**
3. Enable Rest Web Service API

4. Go to the "My Account" page ( /my/account ) and create a new API Access key on the right panel of your screen.
5. Copy the API Access key to use it in plugin configuration

## Plugin configuration

At Global level, go to **Settings -> Redmine** and set Redmine's URL and API Access key you copied from previous step

At Project level, go to **Configuration -> Redmine Configuration Page**



1. Set the general settings for accessing Redmine : URL and the API Key you copied from previous step.
2. Set the project key and click on the **<Test the settings; gets priorities and trackers>** button
3. Pick up a default priority and default tracker for the redmine issues and save your settings

## Redmine

### GENERAL

#### Settings for accessing Redmine

**Redmine URL:**  Complete URL to Redmine, examples: http://demo/path/to/redmine  
Global configured Redmine URL: http://localhost:8099/redmine

**API key:**  API key to access the REST API as authorized user  
Global API key is configured.  
User resolved with the API key: Patroklos Papapetrou Admin

#### Project

**Project key:**  Project key is part of the URL.  
Project resolved with the project key: SCM STATS

**Connect** 

### ISSUE

**Priority:**  Default priority for the review issue.

**Tracker:**  Default tracker for the review issue.

**Save settings**

## Change Log

T	Key	Summary	P
	SONARPLUGINS-3816	Make the plugin compatible with SonarQube 4.4	
	SONARPLUGINS-3815	Fixed typos in two i18n properties	
	SONARPLUGINS-3814	Add issues by developer and issues by status metrics widgets	
	SONARPLUGINS-3813	Filter redmine issues based on analysis date	

4 issues

## Release 1.0 (4 issues)

T	Key	Summary
	SONARPLUGINS-2587	Add widget to display project (open) issues by priority
	SONARPLUGINS-2586	Create a SonarQube Redmine Plugin
4 issues	SONARPLUGINS-2585	Link a review with a Redmine issue
	SONARPLUGINS-2588	Add localization support