

Configuration for SonarQube



This page shows you how to configure the integration with SonarQube. Are you looking for SonarCloud configuration? See [Configuration for SonarCloud](#)

Project Level Configuration

The plugin configuration is quite simple. You can setup your SonarQube settings in your JIRA project settings section:

The screenshot shows the Jira Project settings page for the SonarQube Connector. The left sidebar contains a navigation menu with options like TEST board, Backlog, Active sprints, Releases, Reports, Issues, Components, and SonarQube Connector. The main content area is titled 'Project settings' and includes a 'Summary' section with options like Re-index project and Delete project. Below this is the 'SonarQube Connector' configuration section, which includes fields for SonarQube Server URL, Token, Resource Key, Tags, Issue type, and Custom metrics. A 'Save' button is located at the bottom of this section. Below the configuration is the 'Maintenance options' section, which includes a 'Clear' button and a description: 'Removes internal references to completed or deleted Jira issues created by the app'.

There are five options:

- **SonarQube Server URL:** this is server base URL for your SonarQube installation
- **Token:** this field is optional. If your SonarQube instance is not public, then you will need to setup this field with the security token from a SonarQube user. The token type must be **USER token type**. You can find more information about SonarQube tokens here: <https://docs.sonarqube.org/display/SONAR/User+Token>
- **Resource ID:** this is the key of the SonarQube resource where you are going to retrieve the quality metrics. You can get this key from your SonarQube project dashboard or your sonar-project analysis parameters.
 - **Note:** since version 1.4 you can setup more than one resource/project key by providing a comma separated list of resource keys. Measures will be aggregated into a unique view of all the projects together. See [section linking multiple projects](#) to Jira.
- **Tags :** This is an optional field. You can get the projects through the tags associated with them in SonarQube/SonarCloud. These tags can be obtained from your project page in SonarQube/SonarCloud or from the analysis properties. You can configure more than one tag by specifying a comma separated list of tags. The results will be aggregated in a single view with all the resources together.
- **Issue type:** This is the default issue type to create new SonarQube issues
- **Custom metrics:** List of custom metric keys to display in the dashboard, you can specify 1 or a list of metric keys separated by commas. For example: blocker_violations, major_violations, classes. Check with your SonarQube administrator to find out the keys to the available metrics

Global Settings Configuration

The screenshot shows the Jira Administration interface. At the top, there's a navigation bar with 'Jira Software' and various menu items like 'Dashboards', 'Projects', 'Issues', 'Boards', and 'Create'. Below this, the 'Administration' section is active, with a search bar and a list of navigation options including 'Applications', 'Projects', 'Issues', 'Manage apps', 'User management', 'Latest upgrade report', and 'System'. The 'Manage apps' option is highlighted. On the left sidebar, under 'ATLASSIAN MARKETPLACE', there's a 'Manage apps' section. Below that, under 'SONARQUBE CONNECTOR', there's a 'SonarQube Connector' link. The main content area is titled 'SonarQube Connector Global Settings'. It contains a heading, a sub-heading, and two input fields: 'SonarQube URL' and 'Token'. Below the 'Token' field is a 'Save' button. Two orange arrows are overlaid on the image: one points to the 'SonarQube URL' input field, and the other points to the 'SonarQube Connector' link in the sidebar. At the bottom of the page, there's a footer with version information and the Atlassian logo.

You can configure a global server to share the configuration on all Jira projects. This is very useful if your Sonar instance is the same for all your Jira projects.

There are two options:

- **SonarQube Server URL:** this is server base URL for your SonarQube installation
- **Token:** this field is optional. If your SonarQube instance is not public, then you will need to setup this field with the security token from a SonarQube user.
- The token type must be **USER token type**. You can find more information about SonarQube tokens here: <https://docs.sonarqube.org/display/SONAR/User+Token>