How to use SonarCloud

Open https://sonarcloud.io/ and select GitHub

Authorization via gitHub account

Login into GitHub account

Autorize SonarCloud access

SonarCloud by **sonarcloud** would like access to:

Your account (max-java)
Verify your GitHub account

Resources
Determine what resources both you and SonarCloud can access

Actions
Enable you to trigger actions on GitHub from within SonarCloud

Resources on your account

Email addresses (read)
View your email addresses

SonarCloud has been installed on 1 account you have access to: **javaGuruBY**.

Learn more about SonarCloud

Authorize SonarCloud by sonarcloud

Authorizing will redirect to
https://sonarcloud.io

Import project from GitHub

Welcome to SonarCloud

Let us help you get started in your journey to code quality

Analyze your first projects

Grant access to the SonarCloud application in your GitHub organization or user account. You will then be able to select which repositories you want to analyze.

Import projects from GitHub

Just testing? You can create projects manually.

Join an organization

Now that you have an account on SonarCloud, just ask the Organization Administrator to add you manually. Learn More

Select repository you want to import

Install SonarCloud

Install on your personal account max-java

○ **All repositories**
This applies to all current *and* future repositories.

◉ **Only select repositories**

📖 **Select repositories** ▾

Selected 1 repository.

📖 max-java/**moodle**   ✕

...with these permissions:

✓ **Read** access to code

✓ **Read** access to metadata

✓ **Read** and **write** access to checks, commit statuses, and pull requests

User permissions

SonarCloud can also request users' permission to the following resources. These permissions will be requested and authorized on an individual-user basis.

✓ **Read** access to emails

Create organization key

Create an organization

An organization is a space where a team or a whole company can collaborate accross many projects.

1 Import organization details

Import ⚫ **max-java** into a SonarCloud organization ✕

Key*

by-jrr ✅

Up to 255 characters. All chars must be lower-case letters (a to z), digits or dash (but dash can neither be trailing nor heading).

Add additional info ▾

ℹ️ All members from your GitHub organization max-java will be added to your SonarCloud organization. As they connect to SonarCloud with their GitHub account, members will automatically have access to your SonarCloud organization and its projects.
See all members on GitHub

Continue

2 Choose a plan

Select free plan and click Create organization

Create an organization

An organization is a space where a team or a whole company can collaborate accross many projects.

1 Import organization details   ✅ **by-jrr**

2 Choose a plan

⦿ Free plan €0	○ Paid plan from €10
All projects you analyze will be public. Anyone can browse source code.	✔ Unlimited private projects ✔ Strict control over who can view your private data ✔ No commitments, cancel anytime ✔ **14 days free trial.** Learn more

Create Organization

Select repository from the list

Analyze projects - Select repositories

Organization*

 max-java by-jrr ▾   Import another organization

☐ moodle

Don't see your repo? Check your GitHub app configuration.

And click SetUp

Analyze projects - Select repositories

Organization*

 max-java by-jrr ▾   Import another organization

☑ moodle

Don't see your repo? Check your GitHub app configuration.

1 repository selected

1 repository will be created as a public project on SonarCloud

Set Up

Just testing? You can create manually.

Wait until analysis finishes

We are analyzing your project.

You should see this page refresh in a few moments with your analysis results.

✔ You will get a first analysis of your default branch.

✔ Each new push on your default branch will trigger a new analysis automatically.

✔ Each new Pull Request you create will be automatically analyzed.

Generate a Token

To generate a token, to go **User > My Account > Security**. Your existing tokens are listed here, each with a Revoke button.

The form at the bottom of the page allows you to generate new tokens. Once you click the **Generate** button, you will see the token value. Copy it immediately; once you dismiss the notification you will not be able to retrieve it.

Tokens

If you want to enforce security by not providing credentials of a real SonarCloud user to run your code scan or to invoke web services, you can provide a User Token as a replacement of the user login. This will increase the security of your installation by not letting your analysis user's password going through your network.

Generate Tokens

| moodle | **Generate** |

Name	**Last use**	**Created**

No tokens

STORE THE TOKEN!

Next, open My Projects and click on the project. In the lower right find project key and organization key.

Project Key

| max-java_moodle | 📋 Copy |

Organization Key

| by-jrr | 📋 Copy |

Get project badges

Set notifications

Now you can add scanner configuration to your project pom.xml

Update your `pom.xml` file with the following properties:

```
<properties>
  <sonar.projectKey>{Project Key}</sonar.projectKey>
  <sonar.organization>{Organization Key}</sonar.organization>
  <sonar.host.url>https://sonarcloud.io</sonar.host.url>
  <sonar.login>{TOKEN value}</sonar.login>
</properties>
```

Open your terminal and run the following command in your project's folder. (Note that *.class files should be generated)

```
mvn verify sonar:sonar
```

Adding new repository couldn't be simpler!

In navigation menu click on "+" (Analyze new project or create new organization) icon and select "Create new organization". Follow the steps described below.

Even more - you could analyze your code without git checkin!

In navigation menu click on "+" (Analyze new project or create new organization) icon and select "Analyze new project".

Click on create manually link

Analyze projects - Select repositories

Organization*

[O max-java by-jrr   ▾]   Import another organization

[☑] O moodle   ✔ Already imported: See the project

Don't see your repo? Check your GitHub app configuration.

Just testing? You can create manually.

Enter Project Key and Dispay name, click on setUp

Analyze projects - Set up manually

⚠ Manual setup is not recommended, and leads to missing features like appropriate setup of your project or analysis feedback in the Pull Request.

Organization*

| max-java by-jrr ▼ | Create another organization |

Project key* ❓

javaGuru ✓

Up to 400 characters. All letters, digits, dash, underscore, period or colon.

Display name* ❓

javaGuru ✓

Up to 255 characters

🔘 **Public**

Anyone will be able to browse your source code and see the result of your analysis.

⚪ Private

Only members of the organization will be able to browse your source code and see the result of your analysis.

[Set Up]

In the next window select Manually

Analyze your project

We initialized your project on SonarCloud, now it's up to you to launch analyses!

With Travis CI	With other CI tools ⊘	Manually ⊘

Choose Maven

Analyze from your local sources

Run analysis on your project

What option best describes your build?

Maven	Gradle	C, C++ or ObjC	Other (for JS, TS, Go, Python, PHP, ...)

and take your properties!

Execute the Scanner for Maven from your computer

Update your `pom.xml` file with the following properties:

```
<properties>
  <sonar.projectKey>javaGuru</sonar.projectKey>
  <sonar.organization>by-jrr</sonar.organization>
  <sonar.host.url>https://sonarcloud.io</sonar.host.url>
  <sonar.login>f7347418d8a21eb9dd5c29ed8ffd0589ff17c480</sonar.login>  🖉
</properties>
```

Open your terminal and run the following command in your project's folder.

```
mvn verify sonar:sonar
```

Please visit the official documentation of the Scanner for Maven for more details.

Is it done? You should see the page refresh itself in a few moments with your analysis results if everything runs successfully.

Check these useful links while you wait: What is a Quality Gate?, Configure your Quality Profiles