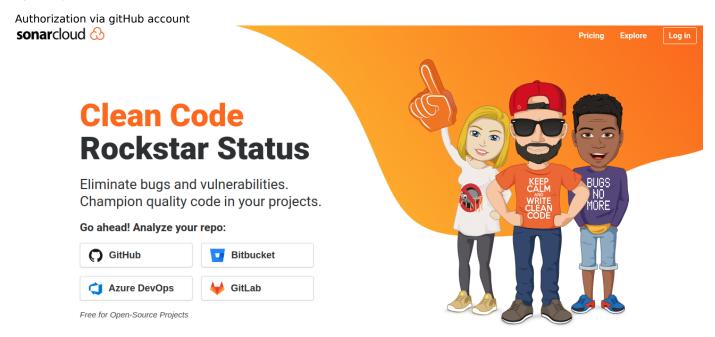
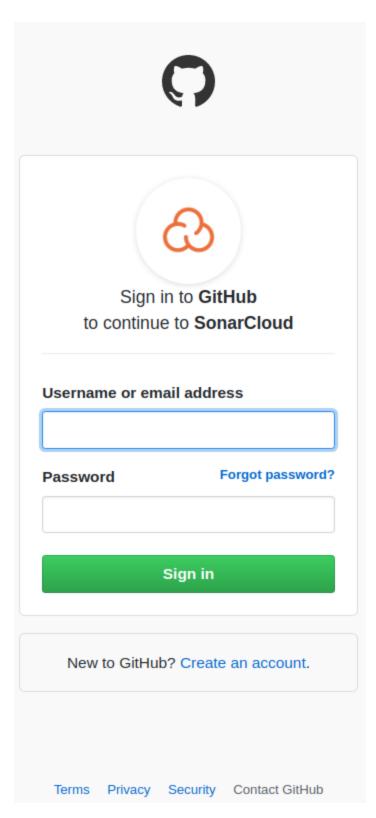
# How to use SonarCloud

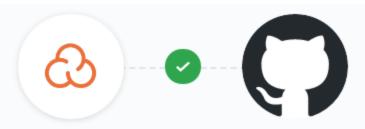
Open https://sonarcloud.io/ and select GitHub



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

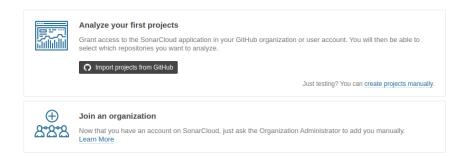
Authorizing will redirect to

https://sonarcloud.io



#### Welcome to SonarCloud

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



Select repository you want to import

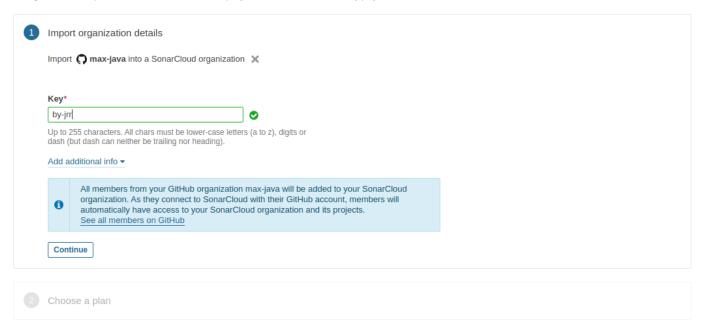


# Install SonarCloud

All repositories This applies to all current a	and future repositories.	
Only select repositor	ries	
Select repositor	ies <del>-</del>	
Selected 1 repository.		
max-java/moodle	•	×
with these permissio	ns:	
Read access to code		
Read access to metad	data	
Read and write acces	ss to checks, commit statuses,	and pull requests
Jser permissions		
	users' permission to the following r and authorized on an individual-us	

# Create an organization

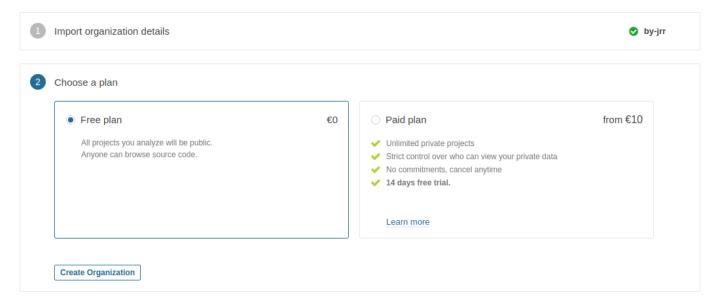
An organization is a space where a team or a whole company can collaborate accross many projects.



Select free plan and click Create organization

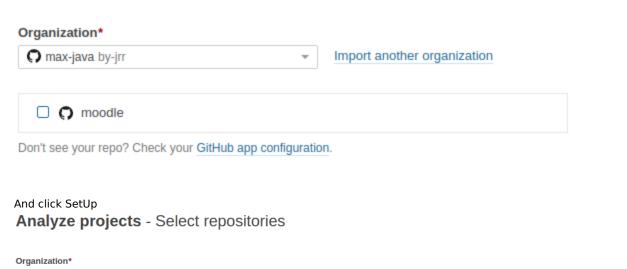
# Create an organization

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



Select repository from the list

# Analyze projects - Select repositories

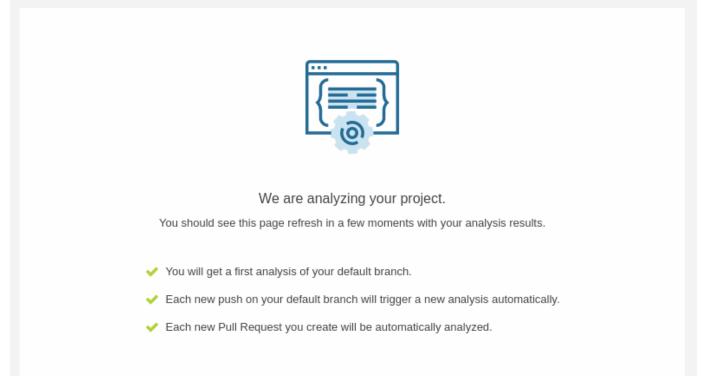






Just testing? You can create manually.

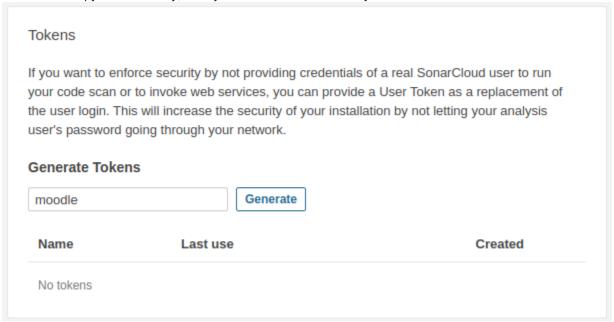
Wait until analysis finishes



#### Generate a Token

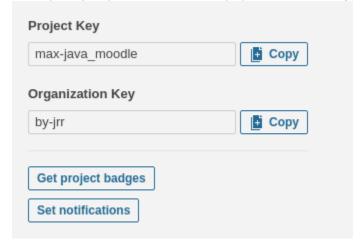
To generate a token, to go User > My Account > Security. Your existing tokens are listed here, each with a Revoke button.

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.



#### STORE THE TOKEN!

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



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

Update your  ${\tt pom.xml}$  file with the following 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!

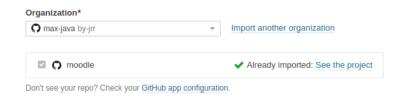
In navigation menu click on "+" (Analyze new project or create new organization) icon and select "Create new organization". Follow the steps described below.

### 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

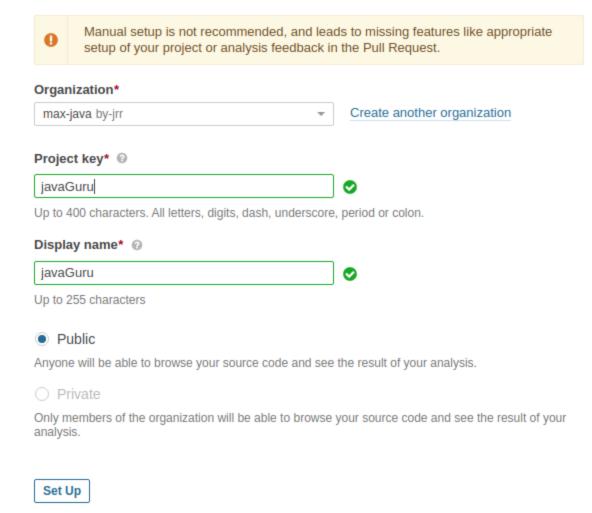
# Analyze projects - Select repositories



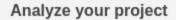
Just testing? You can create manually,

Enter Project Key and Dispay name, click on setUp

# Analyze projects - Set up manually



In the next window select Manually



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



With Travis CI



With other CI tools @



### 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