

Documentation for custom sonar rules

1. Download the SonarQube custom rules XML document from:
[junaidleo/SonarCustom-Rules \(github.com\)](https://github.com/junaidleo/SonarCustom-Rules)
2. Extract the downloaded file.

How to import custom rules in our SonarQube

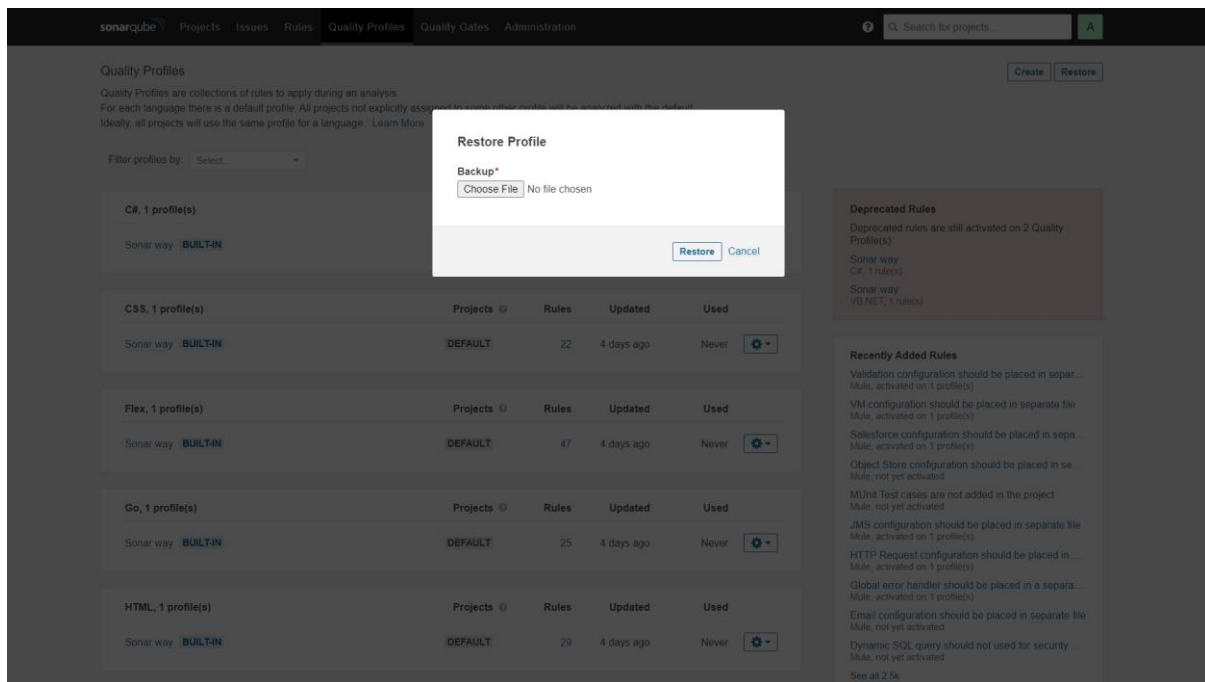
1. Login to your SonarQube server

The screenshot shows the SonarQube interface with the 'Projects' tab selected. On the left, there are filters for Quality Gate (Passed: 2, Failed: 0), Reliability (Bugs: 1), Security (Vulnerabilities: 0), Security Review (Hotspots: 0), and Maintainability (Code Smells: 2). The main area displays two projects: 'assessment_2' (Passed, last analysis 2 days ago) and 'sonarqube-testing-2' (Passed, last analysis 7 hours ago). Each project card shows metrics for Bugs, Vulnerabilities, Hotspots Reviewed, Code Smells, Coverage, Duplications, and Lines of code. A warning message at the bottom states: 'Embedded database should be used for evaluation purposes only'. The footer indicates 'SonarQube™ technology is powered by SonarSource SA' and provides links for Community Edition, Version 8.6.1, and other resources.

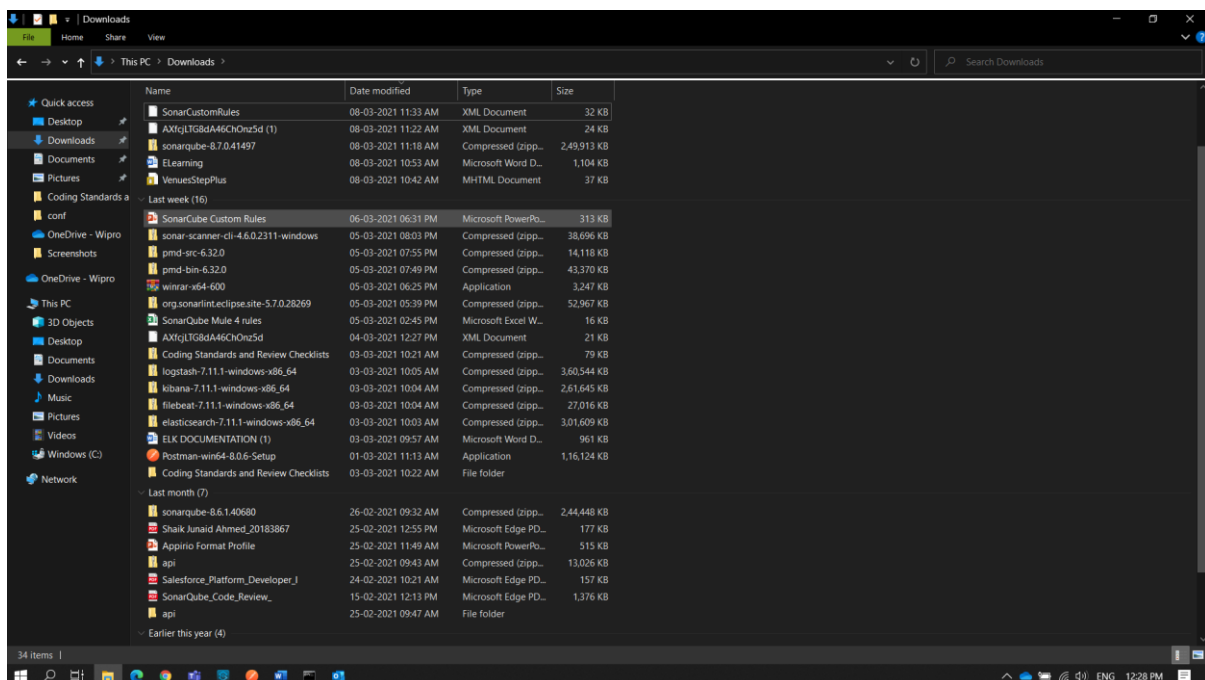
2. Click on Quality Profiles in the navigation bar.

The screenshot shows the SonarQube 'Quality Profiles' page. The left sidebar has a 'Filter profiles by' dropdown set to 'Select...'. The main area displays a list of quality profiles for various languages: C#, CSS, Flex, Go, and HTML. Each profile is associated with a 'BUILT-IN' status and a 'DEFAULT' profile. The right sidebar contains two sections: 'Deprecated Rules' (listing rules like 'Sonar way C#, 1 rule(s)' and 'Sonar way VB.NET, 1 rule(s)') and 'Recently Added Rules' (listing rules like 'Validation configuration should be placed in separate file' and 'Email configuration should be placed in separate file').

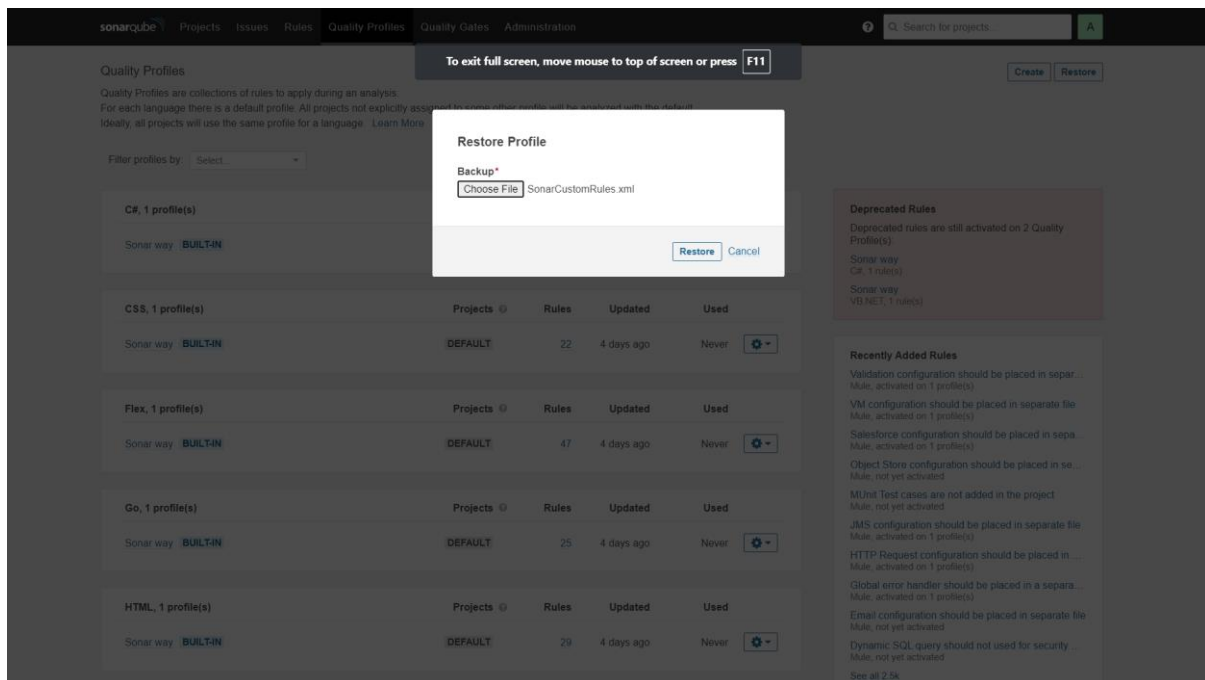
3. Click “Restore” on the top right corner of the page.



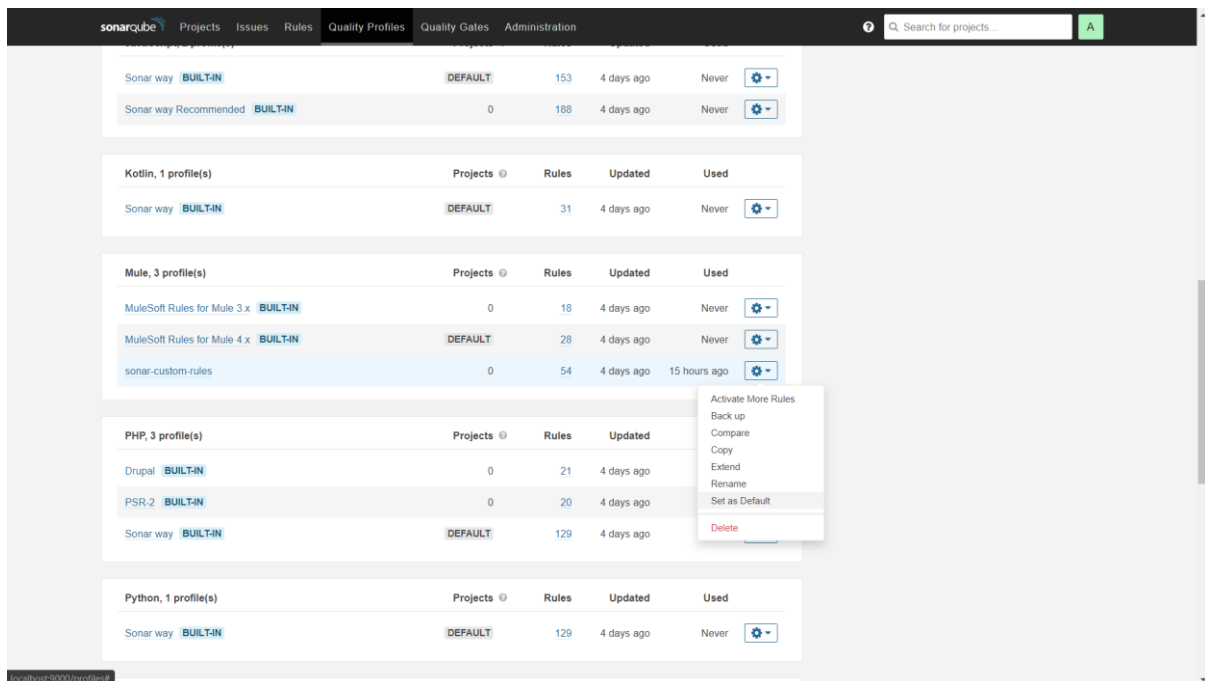
4. Click “Choose File” and browse for “SonarCustomRules” file and click ok.



5. Click on “Restore”.

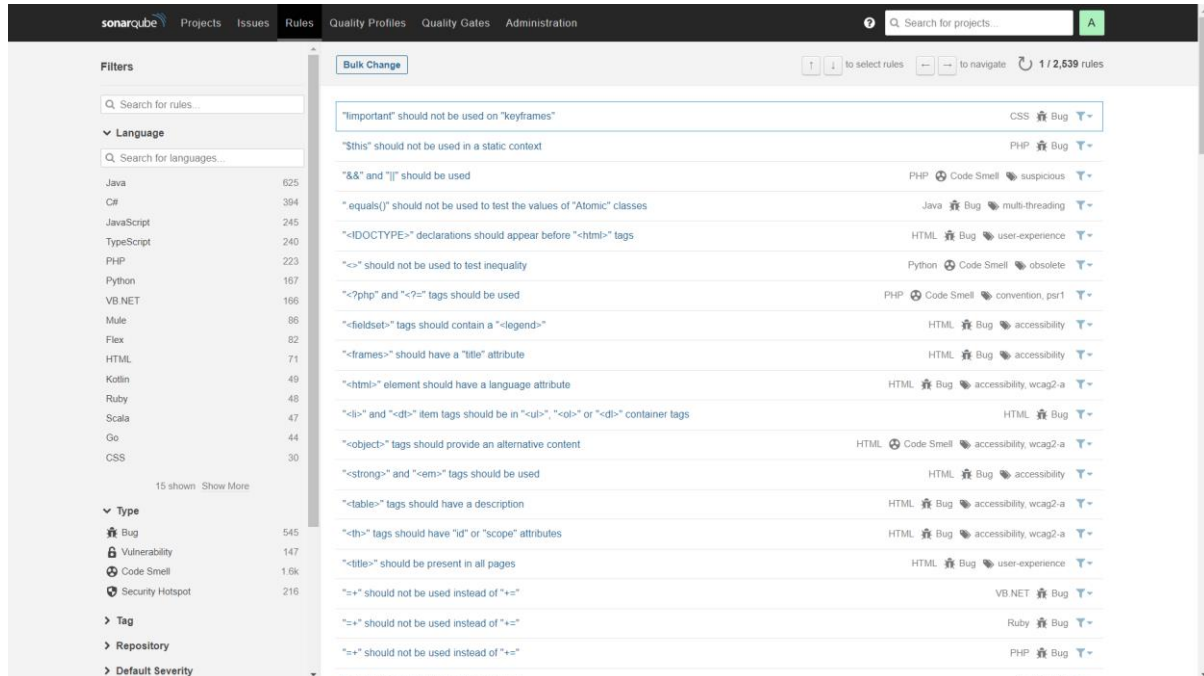


6. Scroll down to Mule profiles and set your custom profile as a default.

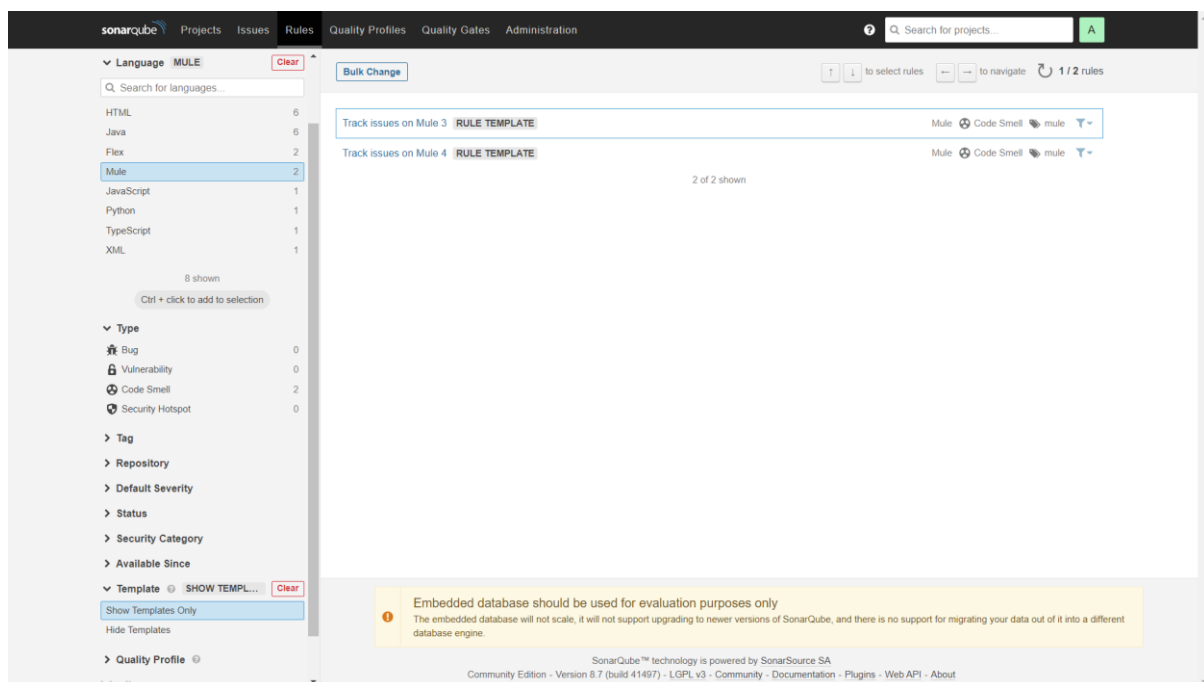


How to create custom rules and activate it your Quality profile

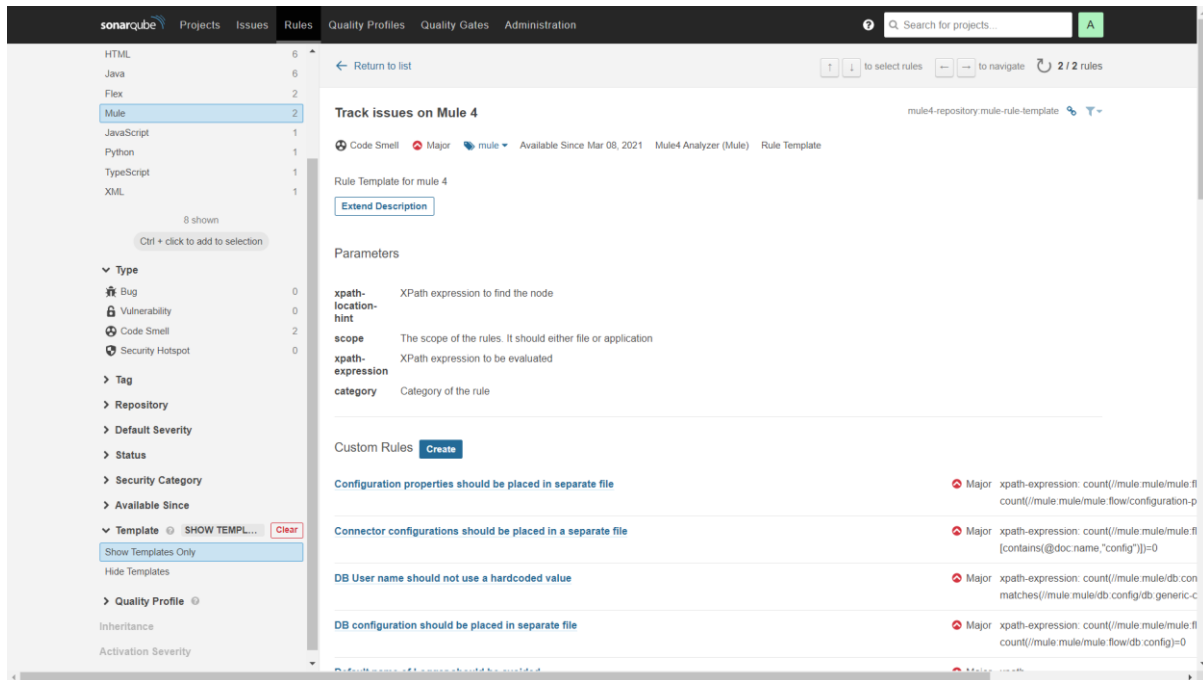
1. Login to your SonarQube server.
2. Click on “Rules” in Navigation bar.



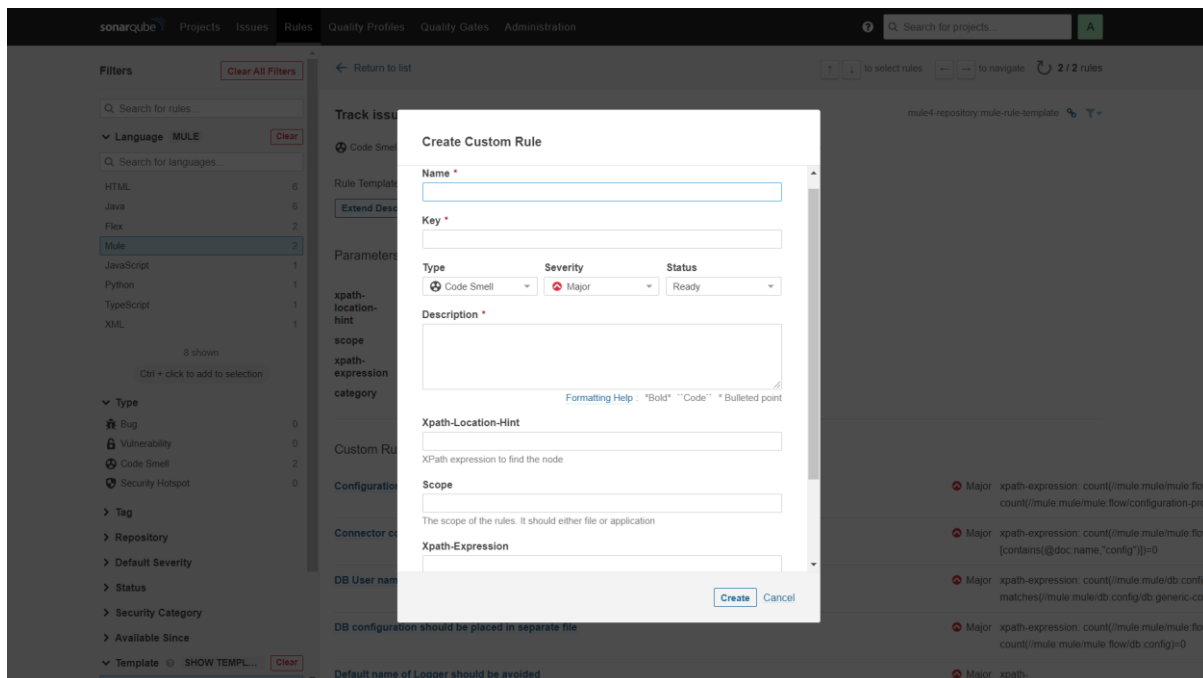
3. Select “Mule” in Language and “Show Templates Only” in Template.
4. Click on “Track issues on Mule 4”.



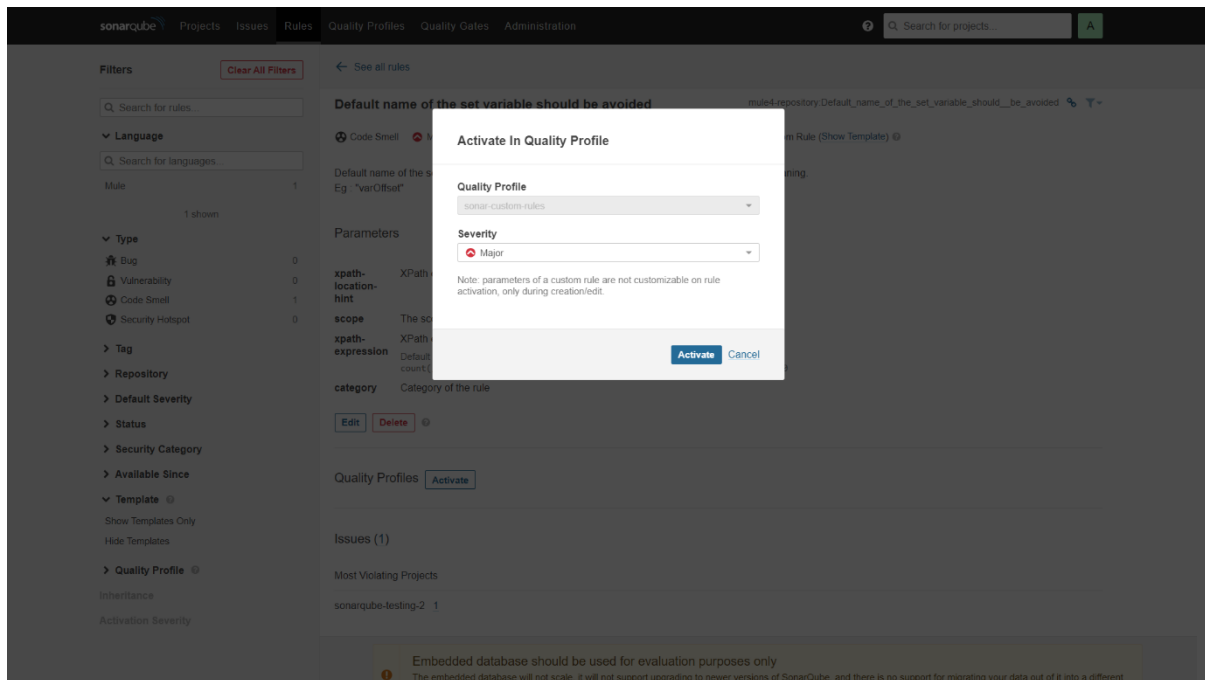
5. Click on “Create” button at the bottom.



6. Enter the details in the “Create Custom Rule” template and click create.



7. Click on the rule that you have created and click “Activate” button at the bottom.
8. Select your Quality profile to which you need to add this custom rule and click “Activate” to complete the process.



9. Congrats!! You have successfully created a custom and activated to your Quality profile.

Note:

If you are facing namespace error, add the namespace module in mule-sonar-plugin -> src -> main -> resources -> namespace-4.txt

For example,

If you are facing salesforces namespace error, add

“salesforce=http://www.mulesoft.org/schema/mule/salesforce” in namespace-4.txt .