

Sonar integration with Angular application

Yousuf Mir, Iflak <iflak.yousuf-mir@capgemini.com>

Thu 4/11/2024 9:02 PM

To: Sengupta, Amit <amit.sengupta@capgemini.com>

Hi Amit,

I hope this email finds you well. I wanted to update you on the steps I've made regarding the implementation of sonar in Jenkins for our angular project.

Here's a breakdown of the steps I've taken:

1. I want to extend my gratitude for sharing the informative document outlining the utilization of chrome headless in Jenkins. Furthermore, I implemented the necessary adjustments in karma.config.js as per document.

The link for document is as follows:

[Chrome headless on jenkins. In an earlier post we saw how we could... | by sybren boland | medium](#)

2. **Configuration file creation:** I established a configuration file named **sonar-project.properties** in the project's root directory. This file contains essential configurations, notably:

- Specification of paths relative to the lcov.info file.
- source to be used for sonar
- Definition of exclusions for files to be omitted from sonar coverage.
- Inclusion of files intended for testing, encompassing paths to spec files.

you can refer the [SonarScanner CLI \(sonarsource.com\)](#) for more details.

3. **Incorporating puppeteer for chrome in Jenkins:** To facilitate chrome execution within Jenkins, I leveraged puppeteer, a tool for controlling headless chrome. This involved adjustments in two key files:

- **Package.json:** integrated "**npm i -D puppeteer@22.6.1 karma-chrome-launcher**" within the **scripts > test** section, alongside ng test.
- **Karma.config.js:** added the following code snippet to retrieve the chrome path in jenkins:

```
If (process.env.JENKINS_URL) {  
    process.env.CHROME_BIN = require('puppeteer').executablePath(); }
```

Thank you for your support and guidance throughout this process. Please feel free to reach out if you have any further inquiries or suggestions.

Thanks and Regards,