COURSEWARE

Static analysis for Node.js

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Overview

SonarQube can be used for performing static analysis of Node.js projects. SonarQube comes with rules for JavaScript and TypeScript projects - it can provide you immediate feedback on the quality of your code and possible bugs and code smells associated with it.

Tutorial

Prerequisites

For this tutorial, you will need the following:

▶ npm (node package manager) installed
▶ sonarqube-scanner package installed
▶ a sonarqube server running

Scanning your code

Now you can just `change directory` into the directory of your existing Node.js project and execute the following command:

> Note: you will need to replace `yourServerIP` with the `external IP` of your VM, if you are using a VM, or just `localhost` if your server is running on the same machine you are running this command.

```
sonar-scanner -Dsonar.host.url=http://yourServerIP:9000 -Dsonar.login=yourUserName
-Dsonar.password=yourPassword
```

After the scanner completes its execution, you should see a new analyzed project after logging into your SonarQube server.

Java dependency

Keep in your mind that even while `sonar-scanner` is a Java-based application it doesn't require you to install Java JRE or JDK yourself. Scanner client downloads and caches its private Java JRE instance on the first run. You don't need to worry about it.

Exercises

There are no exercises for this module.

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Jenkins Pipeline

Markdown

IDE Cheatsheet