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Batch: April 15th, 2022

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Project Name: Integration of different tools with Jenkins

**Project Name: Integration of SonarQube with Jenkins for Code Analysis:**

1. Configured SonarQube in the ec2 instance and started sonarqube with sonaradmin user to access the sonarqube.
2. Integrated SonarQube with Jenkins by using the slave and master-concept.
3. Installed all the prerequisites to the integration of sonarqube with Jenkins for code analysis.

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

1. Created a demo\_app project and generate the token.

Graphical user interface, text, application, email

Description automatically generated

1. In the Global configuration added SonarQube scanner details.
2. In Jenkins > Manage Jenkins > Configure system added sonarqube details and authenticate with token created on the sonarqube

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

1. Created the New Pipe line job and added Pipeline Script.

|  |
| --- |
| pipeline{ |
|  | agent any |
|  | environment { |
|  | PATH = "$PATH:/opt/apache-maven-3.8.2/bin" |
|  | } |
|  | stages{ |
|  | stage('GetCode') |
|  | steps{ |
|  | git 'https://github.com/ravdy/javaloginapp.git' |
|  | } |
|  | } |
|  | stage('Build'){ |
|  | steps{ |
|  | sh 'mvn clean package' |
|  | } |
|  | } |
|  | stage('SonarQube analysis') { |
|  | // def scannerHome = tool 'SonarScanner 4.0'; |
|  | steps{ |
|  | withSonarQubeEnv('sonarqube-8.9') { |
|  | // If you have configured more than one global server connection, you can specify its name |
|  | // sh "${scannerHome}/bin/sonar-scanner" |
|  | sh "mvn sonar:sonar" |
|  | } |
|  | } |
|  | } |
|  |  |
|  | } |
|  | } |

1. Build the code.

Graphical user interface, application

Description automatically generated

1. Coded Build Successfully.

Text

Description automatically generated

1. Went to Sonarqube and checked demoapp\_project and checked the code analysis.

Graphical user interface, application

Description automatically generated

1. Code analysis got successfully.

Graphical user interface, text, application

Description automatically generated