Sonar Runner Quick Tutorial

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# Sonar Server Info

Short URL: <http://citiurl/creditsonar>

sonar.host.url=http://cfnyps1d.nam.nsroot.net:9000  
sonar.jdbc.url=jdbc:h2:tcp://cfnyps1d.nam.nsroot.net:9092/sonar

# Code Analysis

SonarQube can perform analysis on [25+ different languages](http://docs.codehaus.org/display/SONAR/Analyzing+Source+Code). With standard [analysis parameters](http://docs.codehaus.org/display/SONAR/Analysis+Parameters), there are different ways of running analysis, including but not limited to below:

## SonarQube Runner

### Download[[1]](#footnote-1)

Get from K:\CIBTech V\E\_Document\Technical\sonar\sonar-runner-dist-2.3.zip

### Installation

1. Uncompress the downloaded file into the directory of your choice. We'll refer to it as <install\_directory> in the next steps.
2. Update the global settings (database connection, server URL) by editing <install\_directory>/conf/sonar-runner.properties:
3. Create a new SONAR\_RUNNER\_HOME environment variable set to <install\_directory>.
4. Add the <install\_directory>/bin directory to your path.

### Analyzing codes[[2]](#footnote-2)

1. Create a configuration file in the root directory of the project: *sonar-project.properties*

Sample Java project, sample C# project

More sample projects at <https://github.com/SonarSource/sonar-examples>

1. Run the following command from the project base directory to launch the analysis:

sonar-runner

## SonarQube Ant Task[[3]](#footnote-3)

### Download

Get the jar file from K:\CIBTech V\E\_Document\Technical\sonar\sonar-ant-task-2.1.jar

### Usage

Define a new sonar Ant target in your Ant build.xml, sample attached, and run “ant sonar” following the build process of your project.



## CI Engines (Jenkins)

<TBD>

## Pre-commit Check – SonarQube in Eclipse[[4]](#footnote-4)

Source code can be checked before pushing it back to the **source repository**. They all let you make sure that you are not introducing new quality issues.

\*\*Below instruction is for Java developers using Eclipse for coding, for C# developers can use Sonar Runner with sonar.analysis.mode=incremental and enable html report in local.[[5]](#footnote-5)

|  |
| --- |
| sonar-runner -Dsonar.analysis.mode=incremental -Dsonar.issuesReport.html.enable=true |

### Installation[[6]](#footnote-6)

In Eclipse, go to Help>Install New Software… and enter the Update Site: <http://dist.sonar-ide.codehaus.org/eclipse/>

Please check the reference link for details.

### Configuration[[7]](#footnote-7)

Please check the reference link for details.

### Usage[[8]](#footnote-8)

Please check the reference link for details.

1. <http://docs.codehaus.org/display/SONAR/Installing+and+Configuring+SonarQube+Runner> [↑](#footnote-ref-1)
2. <http://docs.codehaus.org/display/SONAR/Analyzing+with+SonarQube+Runner> [↑](#footnote-ref-2)
3. <http://docs.codehaus.org/display/SONAR/Analyzing+with+SonarQube+Ant+Task> [↑](#footnote-ref-3)
4. <http://docs.codehaus.org/display/SONAR/SonarQube+in+Eclipse> [↑](#footnote-ref-4)
5. <http://docs.codehaus.org/display/SONAR/Issues+Report+Plugin> [↑](#footnote-ref-5)
6. <http://docs.codehaus.org/display/SONAR/Installing+SonarQube+in+Eclipse> [↑](#footnote-ref-6)
7. <http://docs.codehaus.org/display/SONAR/Configuring+SonarQube+in+Eclipse> [↑](#footnote-ref-7)
8. <http://docs.codehaus.org/display/SONAR/Working+with+SonarQube+in+Eclipse> [↑](#footnote-ref-8)