Analyzing with SonarQube Scanner for Ant

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- ➢ The SonarQube Scanner for Ant provides a task to allow integration of SonarQube analysis into an Apache Ant build script.
- ➢ SonarQube Scanner for Ant 2.5 compatible with Sonarqube server 5.6 +
- ➢ Minimum Ant version is 1.7.1
- ➢ Minimum Java 1.8 + version
- ➢ Download the **sonarqube-ant-task-2.5.jar** and copy to **project classpath** or any directory on your computer
- ➢ Add below sonarqube properties in build.xml file

```xml
        <!-- Define the SonarQube project properties -->
<project name="SonarQubeAnt" default="main" basedir="."
xmlns:sonar="antlib:org.sonar.ant">

        <property name="sonar.host.url" value="http://localhost:9000" />
        <property name="sonar.projectKey" value="com.sivajavatechie.sonarqube.ant" />
        <property name="sonar.projectName" value="SonarQubeAnt" />
        <property name="sonar.projectVersion" value="1.0" />
        <property name="sonar.sources" value="src" />
        <property name="sonar.java.binaries" value="bin" />
        <property name="sonar.java.libraries" value="dist/*.jar" />
```

- ➢ Add Task in build.xml file for the sonarqube scanner

```xml
<!--  Define SonarQube Scanner for Ant Target -->
        <target name="sonar">
            <taskdef uri="antlib:org.sonar.ant" resource="org/sonar/ant/antlib.xml">
        <!-- Update the following line, or put the "sonarqube-ant-task-*.jar" file in
your own directory or class path and provide the below path correctly.
        In this example I copied the jar to root project folder -->
        <classpath path="sonarqube-ant-task-2.5.jar" />
            </taskdef>
        <!-- Execute SonarQube Scanner for Ant Analysis -->
            <sonar:sonar />
        </target>
```

- ➢ Start the sonarQuber server 5.6+
- ➢ First build your project and run the sonarqube analysis command**ant sonar**
- ➢ **SonarQube Scanner for ant2.5** analyze your Ant project source and will send the report to Sonarqube server for the further processing
- ➢ Login into sonarqube server by accessing URL**localhost:9000**
- ➢ **You will able to find the sonarqube report for your Ant project in Sonarqube server**