SW360 antenna

https://github.com/eclipse/antenna

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TNG TECHNOLOGY CONSULTING

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SW360antenna

- SW360antenna was started and is developed by Bosch Software Innovations GmbH
- It is Open Source as an Eclipse Project Incubator since September 2018
- It is licensed under EPL-2.0
SW360antenna is a tool to automate your open source license compliance
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- collecting all compliance relevant data
- process that data and warn if there might be any license compliance related issues
- generating a set of compliance artifacts
SW360 antenna can be tied into the build
SW360antenna can be tied into the build

```xml
<?xml ...?>
<project ...>
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.example</groupId>
  <artifactId>example-project</artifactId>
  <version>1.0-SNAPSHOT</version>

  <build>
    <plugins>
      <plugin>
        <groupId>org.eclipse.sw360.antenna</groupId>
        <artifactId>antenna-maven-plugin</artifactId>
        <version>2.0.1-SNAPSHOT</version>

        <configFiles>
          <param>src/antennaconf.xml</param>
        </configFiles>

        <workflowDefinitionFile>
          src/workflow.xml
        </workflowDefinitionFile>
      </plugin>
    </plugins>

    <executions>
      <execution>
        <goals>
          <goal>analyze</goal>
        </goals>

        <phase>package</phase>
      </execution>
    </executions>
  </build>
</project>
```
SW360 antenna is customizable and modular.
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```java
public interface Analyzer {
    WorkflowStepResult yield();
}
```

```java
public interface Processor {
    WorkflowStepResult process(ProcessingState previousState);
}
```

```java
public interface Generator {
    void produce(ProcessingState previousState);
}
```
SW360 antenna has a workflow engine
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<workflow>
  <analyzers>
    <step>
      <name>JSON Analyzer</name>
      <classHint>org.eclipse.sw360.antenna.workflow.analyzers.JsonAnalyzer</classHint>
      <configuration>
        <entry key="file.path" value="src/reportData.json"/>
      </configuration>
    </step>
  </analyzers>
  <processors>
    <step>
      <name>Maven Artifact Resolver</name>
      <classHint>org.eclipse.sw360.antenna.workflow.processors.enricher.ArtifactResolver</classHint>
    </step>
    <step>
      <name>Child Jar Resolver</name>
      <classHint>org.eclipse.sw360.antenna.workflow.processors.enricher.ChildJarResolver</classHint>
    </step>
    <step>
      <name>Manifest Resolver</name>
      <classHint>org.eclipse.sw360.antenna.workflow.processors.enricher.ManifestResolver</classHint>
    </step>
    <step>
      <name>License Resolver</name>
      <classHint>org.eclipse.sw360.antenna.workflow.processors.enricher.LicenseResolver</classHint>
    </step>
    <step>
      <name>License Knowledgebase Resolver</name>
      <classHint>org.eclipse.sw360.antenna.workflow.processors.enricher.LicenseKnowledgebaseResolver</classHint>
    </step>
  </processors>
</workflow>
Live demo?
Where to get it?

- https://github.com/eclipse/antenna
- https://projects.eclipse.org/projects/technology.sw360.antenna

How to contact me?

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