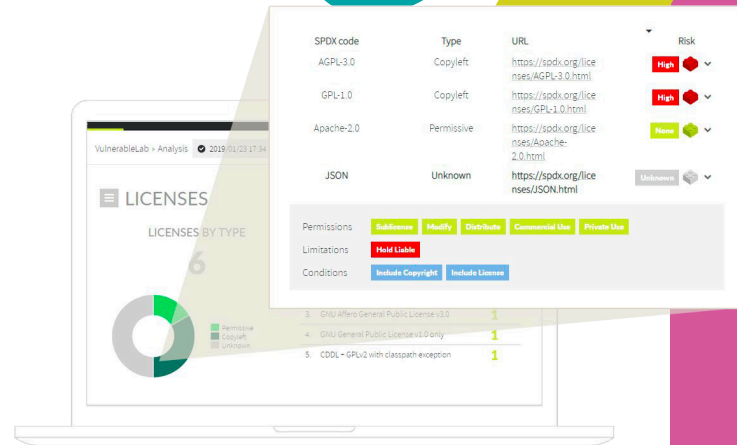


## INSIGHTS (SCA)

Almost every developer relies to some degree on open source software, and it's tough to beat the flexibility of open use and distribution licensing. However, it's also critical that all developers understand how to control open source components. There are a number of dependency, security, and license compatibility issues involved with open source solutions that require some consideration before launching an application.






It is of huge importance to **generate a complete and accurate inventory** of all open source and third-party components used during builds or in applications.

### **Your open source components are as much a part of your application as the code you've built yourself.**

The role, functions, features, behavior, and licensing of every open source component need to be fully understood in order to properly manage your application deployment and comply with software licensing regulations.

Eliminate time consuming and error prone process of manually compiling the inventory - including their dependencies - in an effort to determine if you're impacted by a new security vulnerability alert or to check for license issues. Draft an official policy that will cover all of the developers under your roof.

### KIUWAN INSIGHTS STANDS OUT

-  **No configuration needed**
-  **Fully customizable – visually & conceptually**
-  **Request a free demo or quote and discover how Kiuwan Insights can help you rationalize your application components**

## SOME DETECTED VULNERABILITIES

- Application Misconfiguration
- Credential/Session Prediction
- Directory Indexing
- Insufficient Authorization/Authentication
- Automatic Reference Counting
- Cross Site Request Forgery
- Information Leakage
- Insufficient Transport Layer Protection
- Insufficient Binary Protection
- Cross Site Scripting
- Injection Attacks
- Interprocess Communication
- OS Commanding
- Insecure Cryptography
- Cryptographic Related Attacks
- Buffer Overrun
- Free Non-Heap Variable
- Use After-Free
- Double Free/Close
- Format String Vulnerability
- Return Pointer To Local
- SQL injection
- ... and more

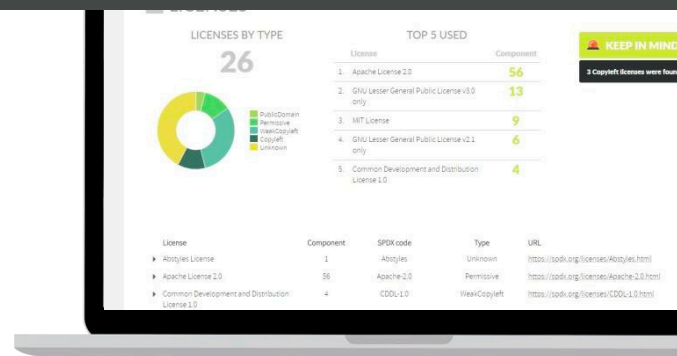
Kiuwan Insights continuously scans the **NIST National Vulnerability Database** for new vulnerabilities, in addition to using our own knowledge base and research by security experts.

## DEPENDENCIES

Open source projects often come with version-specific dependencies.

As deployment environments update, the open source components of the code base can be affected by previous version dependencies.

Because many developers rely on a significant stack of open source components, isolating the source of dependencies can be tough to do. Kiuwan Insights helps you track application architecture and monitor the quality of code, helping developers reduce the number of dependencies in their code base. It doesn't completely eliminate dependencies, but maintaining that level of code comprehension makes developers that much more effective at addressing dependency issues as they arise.



## LICENSE COMPLIANCE

Most open source projects fully allow users to replicate, modify, distribute, and even sell their software for profit.

This is not true of all open source projects, which is where developers sometimes get into trouble using open source components in their products. Most products require specific verbiage in derivative software distributions' licensing to properly credit the use of open-source libraries.

## LANGUAGES

## REPOSITORIES

## BUILD SYSTEMS

|                   |                     |   |
|-------------------|---------------------|---|
| <b>Go</b>         | GitHub              | go.mod<br>Gopkg.lock  |
| <b>Java</b>       | Maven<br>Gradle     | nt (*.xml files)<br>Maven (pom.xml files)<br>Gradle (*.gradle files)<br>*.jar, *.war, *.ear files |
| <b>Javascript</b> | Npm<br>Bower        | Npm (package.json files)<br>Bower (bower.json files)<br>Yarn (package.json files)                 |
| <b>.Net</b>       | Nuget               | Nuget (*.csproj, project.json, global.json, *.vbproj files)                                       |
| <b>Python</b>     | PyPI<br>GitHub      | PyPI (setup.py files)<br>Requirements (txt file with declared dependencies)                       |
| <b>Scala</b>      | Maven               | SBT (build.sbt)   |
| <b>Swift</b>      | Cocoapods<br>GitHub | Podspec (*.podspec, Podfile.lock files)<br>Package (Package.swift files)                          |
| <b>Php</b>        | Packagist           | Composer (composer.json, composer.lock files)   |
| <b>Ruby</b>       | RubyGems            | Gemfile, Gemfile.lock and *.gemspec files   |

## IN A NUTSHELL

### ✔ Detect threats

Investigate the security risks involved with your open source components and address each of them.

### ✔ Components inventory

Generate a complete and accurate inventory of all open source and third-party components used during builds or in applications.

### ✔ Eliminate time-consuming activities

Eliminate the time consuming and error prone process of manually compiling the inventory in an effort to determine if you're impacted by a new security vulnerability alert or to check for license issues.

### ✔ Avoid obsolescence

Manage your libraries obsolescence: updates, versions, and security issues. Get obsolescence alerts.

### ✔ Unveil security risks

Investigate the security risks involved with your open source components and address each of them as they apply to your application.

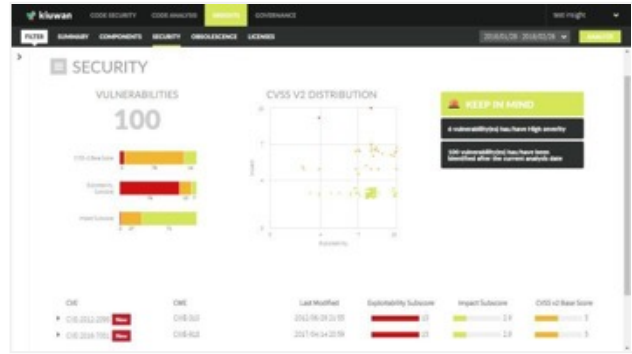
### ✔ Isolate dependencies

Open source deployments often include a lot of unused features that cause dependency issues. Kiuwan code quality analysis helps identify unused code and remove it, further reducing the risk of running into dependency problems.

# TAKE A LOOK



Components list



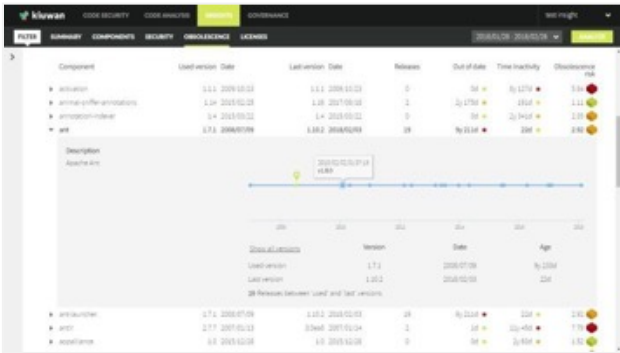
Security indicators & alerts



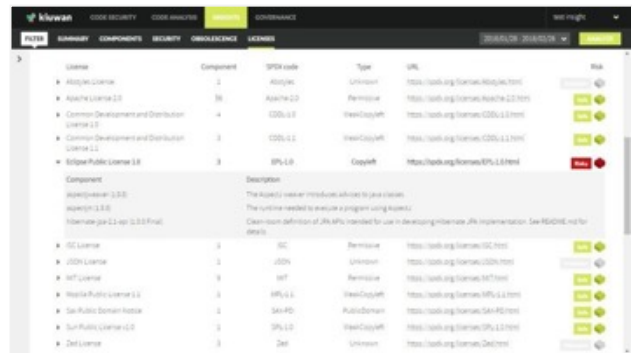
Base score vectors



Obsolescence indicators & alerts



Release timeline



License list

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 LEARN MORE AT [KIWAN.COM](https://kiwan.com)

## GET IN TOUCH

**Headquarters**  
 2950 N Loop Freeway W, Ste 700  
 Houston, TX 77092, USA

United States: **+1 732 895 9870**  
 Asia-Pacifi, Europe, Middle-East and  
 Africa: **+44 1628 684407**

contact@kiwan.com  
 Partnerships: partners@kiwan.com