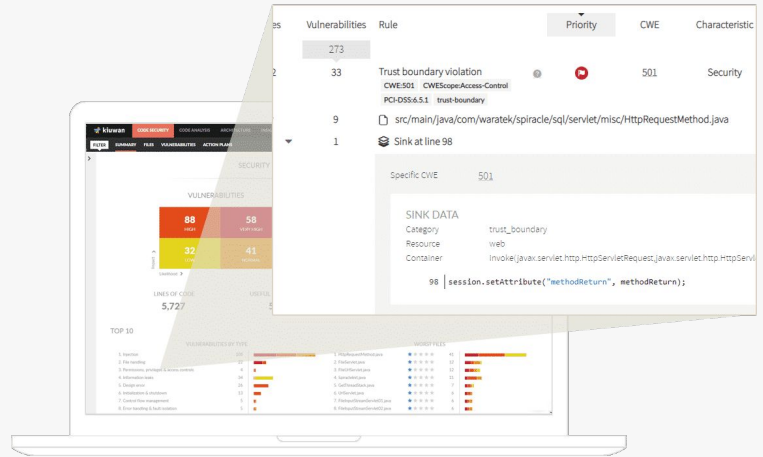


Code Security (SAST)

Kiuwan Code Security (SAST) enforces a rigorous approach in the detection of security vulnerabilities. It strives to meet the most stringent requirements and its compliance reports meet all well known market standards (OWASP, CWE, MISRA, NIST, PCI, and CERT among others). Integrate Kiuwan into your development process and increase the overall security of your applications while reducing risk and cost thanks to early detection and correction of newly introduced vulnerabilities.



Integrate Kiuwan Code Security into your DevOps Process to **detect and eliminate** security vulnerabilities

Full Compliance With IT Security Standards



Kiuwan is an **OWASP corporate member** and **affiliate member of FS-ISAC**

Kiuwan Code Security is **CWE certified** (Check the Kiuwan CWE declaration [here](#))

Kiuwan Code Security is **compliant** with SANS 25, PCI-DSS, HIPAA, WASC, MISRA-C, BIZEC, ISO 25000, ISO 9126, CERT-C, and CERT-J.

Why Kiuwan?



Easy installation with no configuration



Fast scan and accurate results



Fully adaptable to your needs



Low rate of false positives

Vulnerabilities Detected by Kiuwan

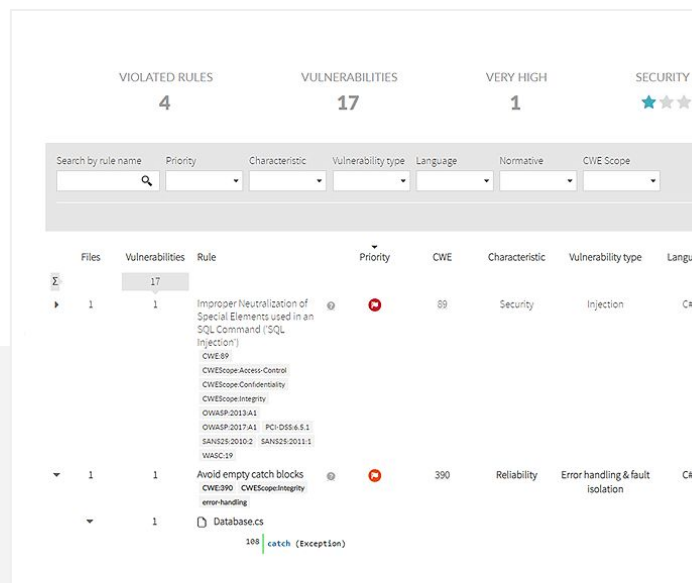
- Uninitialized Variables
- Application Misconfiguration
- Credential/Session Prediction
- Directory Indexing
- Insufficient Authorization/Authentication
- Automatic Reference Counting
- Cross Site Request Forgery
- Information Leakage
- Insufficient Transport Layer Protection
- Insufficient Binary Protection
- 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

Reliability Issues Detected

- Data Race
- Deadlock
- Null-Pointer Dereference
- Division by zero
- Double close
- Dangerous Function Cast
- Resource Leak
- ... and more

Additional Features

- Kiuwan offers high-level visibility over the security risks your applications face, using industry-standard ratings to determine the criticality of the vulnerabilities found.
- Create action plans to remediate the defects found, either determining the effort required by the development teams or the rating you want to achieve.
- Determine the way you view the criticality of your applications, distributed by files or vulnerabilities.
- A polyglot solution, Kiuwan Code Security boasts the most comprehensive coverage of programming languages, to ensure none of the applications in your portfolio are left behind.



“Powerful and clean dashboards show you exactly the information you need”

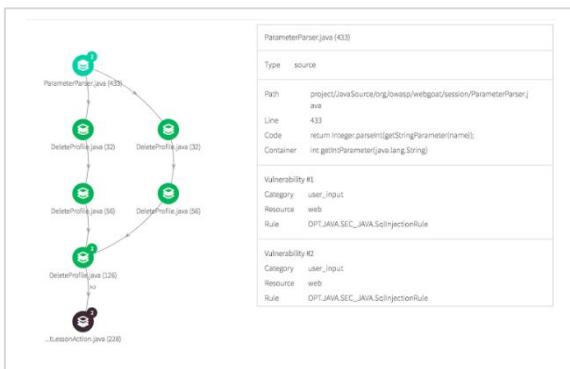
Kiuwan Code Security enables developers and security experts alike to identify and remediate cyber threats in a blazingly fast, collaborative environment, with seamless integration into your DevOps pipeline

- A comprehensive set of security and quality standards
- Configure vulnerability reports to match your security goals
- Integrates with your DevOps tools

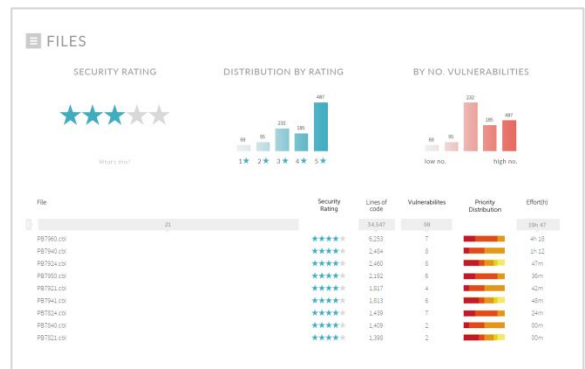
30+ Supported Languages



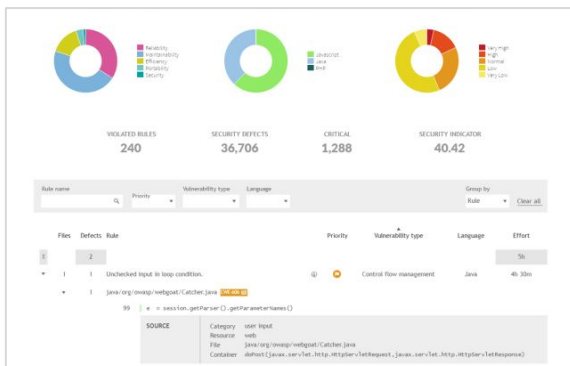
Take a Look



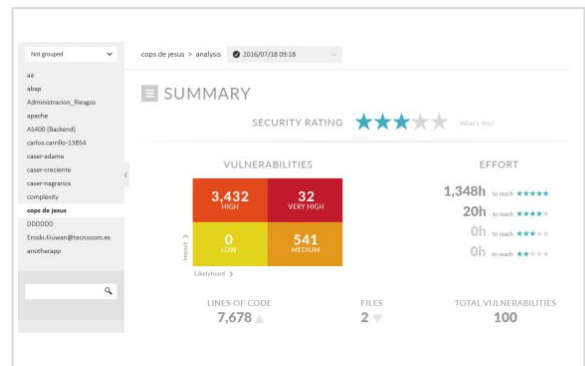
Propagation Paths



Files Dashboard



Vulnerabilities Dashboard



Summary Dashboard

Kiuwan IDE Plug-In

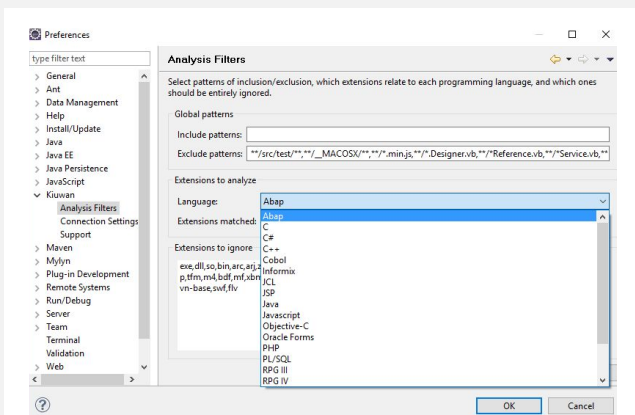
Key Benefits

- Prevent issues and vulnerabilities as early as possible in the DevOps process
- Analyze consistently throughout the organization using centrally managed models
- Run automatic analyses in the IDE every time you save your code.
- Ensure all the code is analyzed locally before it is committed to the code repository
- Fix issues and vulnerabilities cheaper and faster
- Create better software from inception
- Suits any development methodology including Agile and DevOps

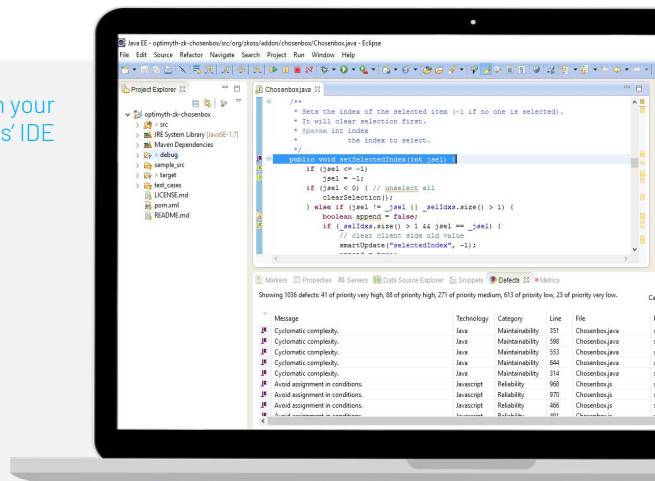
Key Features

- Easy to install. You simply need your IDE of choice, a Kiuwan account with the IDE Plug-In, licenses for your developers, and an internet connection.
- Compatible with different IDEs. Kiuwan provides a plug-in available for Eclipse, JetBrains, and MS Visual Studio and Visual Studio Code.
- Adaptable to your needs. You can filter the issues found in a file, a package, an application or the whole workspace; or the ones relevant for security, maintainability or any other software characteristic.
- Practical for your work. Selecting a defect in the panel will directly open the file where it was found in the editor on the specific line of code affected.
- One-glance overview. The editor shows the defect found in the file, highlighting the priority of the defect, and tooltips with a description
- Extendable functions. Additional panels can be shown with relevant intrinsic code metrics like cyclomatic complexity and more.
- Simple maintenance. The plug-in updates automatically.

Technologies supported by the Kiuwan IDE Plug-In



Kiuwan in your Developers' IDE



Metrics analysis made with the Kiuwan IDE Plug-In

Resource's metric	Value	Description
optmyth-zk-chosenbox		
Statements	278	This metric gives the number of executable sentences in a program file. Programs with a lar...
Response for a class	30	The metric measures the number of different methods that can be executed when an object...
Public methods	52	Number of public implemented methods.
Operations	64	Number of forms, modules, functions, paragraphs, subroutines, procedures, methods, cons...
Number of children	0	A class's number of children (NOC) metric simply measures the number of immediate desc...
Not documented API	25	API without comments.
Non commenting source statements	550	A simple volumetric metric that measures code size.Although considered a crude measure ...
Methods	64	This metric measures the number of methods. A method is a code block containing a series...
Lines of comments	266	Number of lines with comments. Comment lines are those which start with the comment ...
Lines of code	611	Number of lines of code. Lines of code are those lines of the file that are neither blank line...

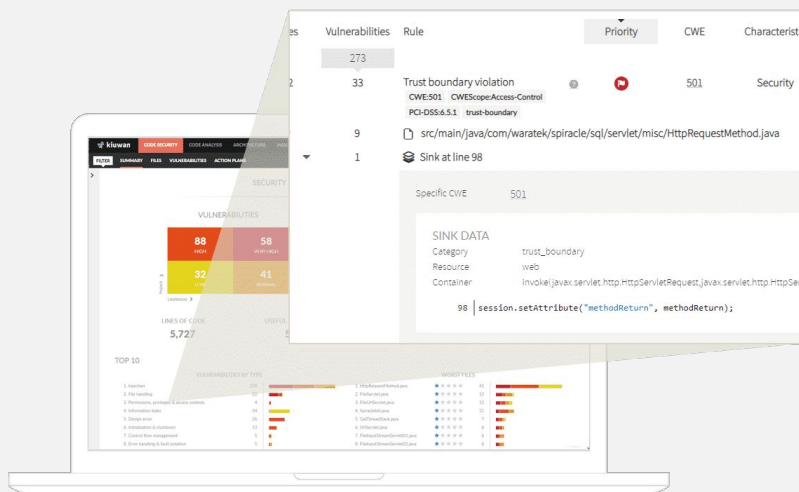
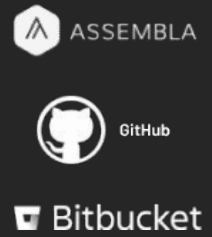
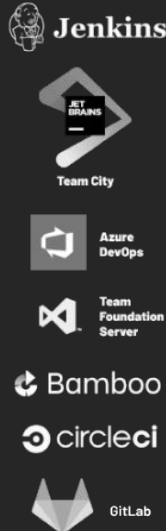
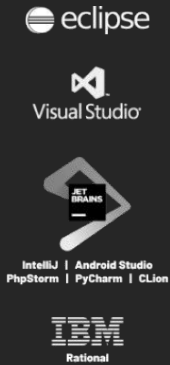
Integrates with your DevOps environment

IDEs

Build Systems

Bug Trackers

Repositories



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LEARN MORE AT [KIUWAN.COM](https://kiuwan.com)

Get In Touch

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

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

contact@kiuwan.com
Partnerships: partners@kiuwan.com