ENTERPRISE APPLICATION SECURITY

Improved accuracy and automated fixes for faster vulnerability remediation

Jaroona Enterprise Application Security (JEAS) provides automated vulnerability detection and remediation for enterprise software. It leverages the power of ML/AI and deep learning to learn vulnerabilities and code fixes from thousands of new publications daily in more than 3.000 security databases worldwide.

Existing application security solutions have severe limitations

- Rule-based Static Analysis (SAST) is slow and not accurate – high number of false positives
- Dynamic Analysis (DAST) requires setup which is error prone and labor intensive plus requires full code compilation – no fit with agile development
- Interactive Analysis (IAST) depends on other testing techniques – cost intensive and coverage issues
- None of the solutions offer automated fix suggestions

Jaroona resolves these limitations.

It produces less False Positives than competitive solutions and saves expensive development time.

3.2 % (commercial industry average: **20 – 25 %**) **False Positive Rate**

False Negative Rate **5.5 %** (commercial industry average: **50 – 60 %**)

96.1 % (commercial industry average: **70 – 75 %**) **Accuracy**

Precision **91.2 %** (commercial industry average: **30 – 35 %**)

92.8 % (commercial industry average **35 – 40 %**) **F1 – measure**

KPIs measured by international research institutes

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JEAS automatically detects and remediates vulnerabilities in source code – time consuming code compilation is not required any longer. Developers are supported on the job with high confidence findings coupled with easy to apply fix recommendations.

DATA

- Repositories GitHub, GitLab Bitbucket,
- Web Upload

CODE

- IDEs IntelliJ IDEA, Eclipse, NetBeans, Visual Studio
- Webpage

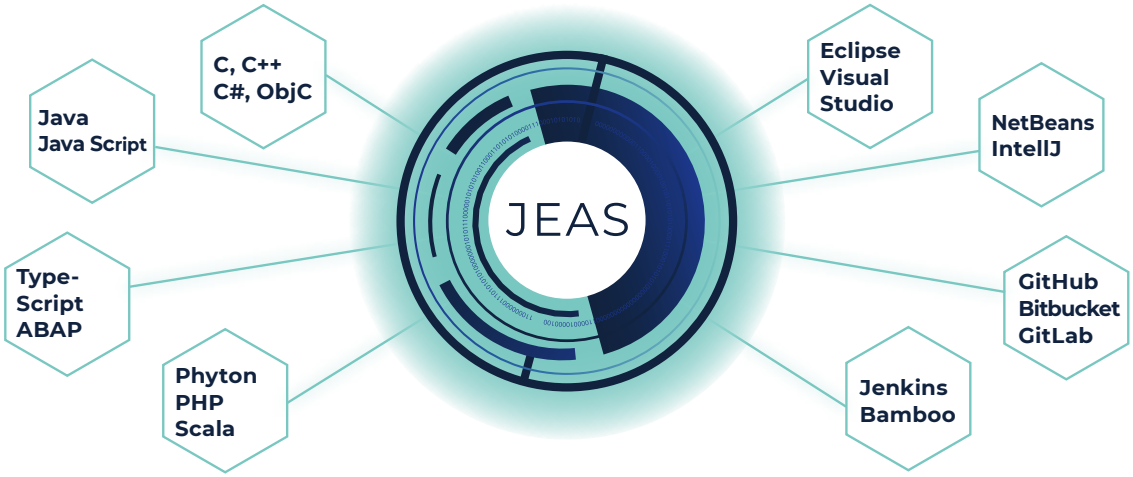
FIX

- Community recommendations
- Machine generated

SECURE

- Vulnerabilities eliminated
- Secure code for deployment

JEAS covers all major developments at enterprise level. It integrates with IDEs, bug tracking, build servers, code repositories and CI servers



Most vulnerabilities are created during coding. Fixing them later in the cycle is expensive and inefficient.

Securing source code saves development costs and reduces risk!

1. Recognize source code issues during coding. Don't wait until the end of the Sprint
2. Educate your developers at the job and prevent repeating mistakes
3. Support your developers with qualified and proven fix recommendations

Get in touch with us for a system demo and a proof of concept with your code samples

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