

Remediation Solution

The Challenge

Manual remediation of known open source vulnerabilities requires a lot of time and effort from developers. It consists of keeping track of all of the open source components that you are using, detecting the vulnerable ones, locating its fixes, and updating the vulnerable versions.

Open source security vulnerabilities need to be addressed quickly since the vulnerability and its exploitation information are publicly available to both users and hackers. This places organizations in a race against the hackers as soon as a known open source vulnerability has been published. But how can you remediate swiftly, considering the complex and time-consuming processes that are required in order to stay on top of known open source vulnerabilities?

The Mend Solution

Mend Remediate enables developers to fix vulnerable components with one click.

It continuously tracks repositories to detect vulnerable open source libraries, and then automatically generates Pull Requests (PRs) with the latest version updates, including the relevant information to help users make educated decisions.

When a new security vulnerability is reported, Mend Remediate provides a fixed version on the same day, to help reduce the attack window.

Automating the process of remediating vulnerable open source components helps developers meet tight deadlines, and reduce their risk of been exposed to known vulnerabilities, significantly improving their security posture without taking them out of their coding environment.



Key Benefits

Speed up remediation with automated workflows

Enforce automated remediation policies to fix vulnerable open source components. Replace the time consuming manual tasks of detecting the known open source vulnerabilities in your projects, tracking newly disclosed vulnerabilities, and researching the right fix, all with automated workflows for quicker remediation.



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One-click fix for maximized productivity

Pull Requests (PR) are generated automatically, in real-time, whenever a vulnerable open source component is detected so developers can simply click "merge" to update the vulnerable library. Each Pull Request is generated with release notes.

Minimize the attack window

Once a known vulnerability is reported, all information about the vulnerability and its exploitation becomes public. Therefore, your product becomes exploitable until you update the vulnerable component. Minimize your exposure by automating the remediation process.





Data Specifications

| Languages | Java, JavaScript, PHP, Python, Golang, .NET |
|------------------|---|
| Package managers | Maven, NPM, Nuget, vgo (Go Modules), Composer, Pip, setuptools, Pipenv |
| Integration | Supports GitHub Enterprise and Bitbucket Server Integrations Bitbucket server: 5.16 and above GitHub Enterprise: 2.15.1 and above GitHub.com |
| API | Not supported |

Fix pull request

A pull request is generated with the latest version update. It is added to the repository along with release notes so that users can compare the versions and generate the fix with one click.



Integration Workflow rules

Users can set up automated policies which initiate remediation Workflows. Policies can be defined per vulnerability severity, CVSS score, and product hierarchy.







Change log

Users can see the exact changes in the code that were part of the fix PR as part of the commit, for future reference.

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About Mend

Mend, formerly known as WhiteSource, effortlessly secures what developers create. Mend uniquely removes the burden of application security, allowing development teams to deliver quality, secure code, faster. With a proven track record of successfully meeting complex and large-scale application security needs, the world's most demanding software developers rely on Mend. The company has more than 1,000 customers, including 25 percent of the Fortune 100, and manages <u>Renovate</u>, the open- source automated dependency update project.

For more information, visit <u>www.mend.io</u>, the Mend blog, and Mend on LinkedIn and Twitter.

