

# Gain improved security for modern application development with CloudBees and Mend

## More Development. More Risks.

As enterprises pursue digital transformation, application developers are increasingly relying on modern software development techniques such as Agile, DevOps, containers, open source software, and CI/CD pipelines to produce software at a faster pace.

At the same time, attacks on applications have increased. Today, applications are the #1 target and the biggest security risk that enterprise security teams face. The number of software supply chain attacks increased 650% from 2020 to 2021, and open source now comprises over 70% of the typical application code base.

For these reasons, open source software needs to be secured. Traditional application security tools that were built for the “waterfall” development techniques of yesteryear are cumbersome to use and slow to produce results.

## Solution

CloudBees and Mend have worked together to solve this problem. CloudBees CI is the leading DevOps solution for large organizations who need powerful risk mitigation, compliance and governance capabilities. Mend is the leading application security platform for enterprises that need to achieve the highest level of application security without slowing down development.

When integrated with CloudBees CI, the Mend Application Security Platform:

- Scans applications to find open source software vulnerabilities
- Provides zero false positive alerts thanks to Mend’s patented Reachability Path Analysis
- Shows your developers exactly how to remediate open source vulnerabilities
- Identifies and blocks malicious third-party packages from entering your code base

### Challenge

Application development teams need an efficient way to identify and fix application vulnerabilities without slowing down CI/CD pipelines or the pace of software delivery.

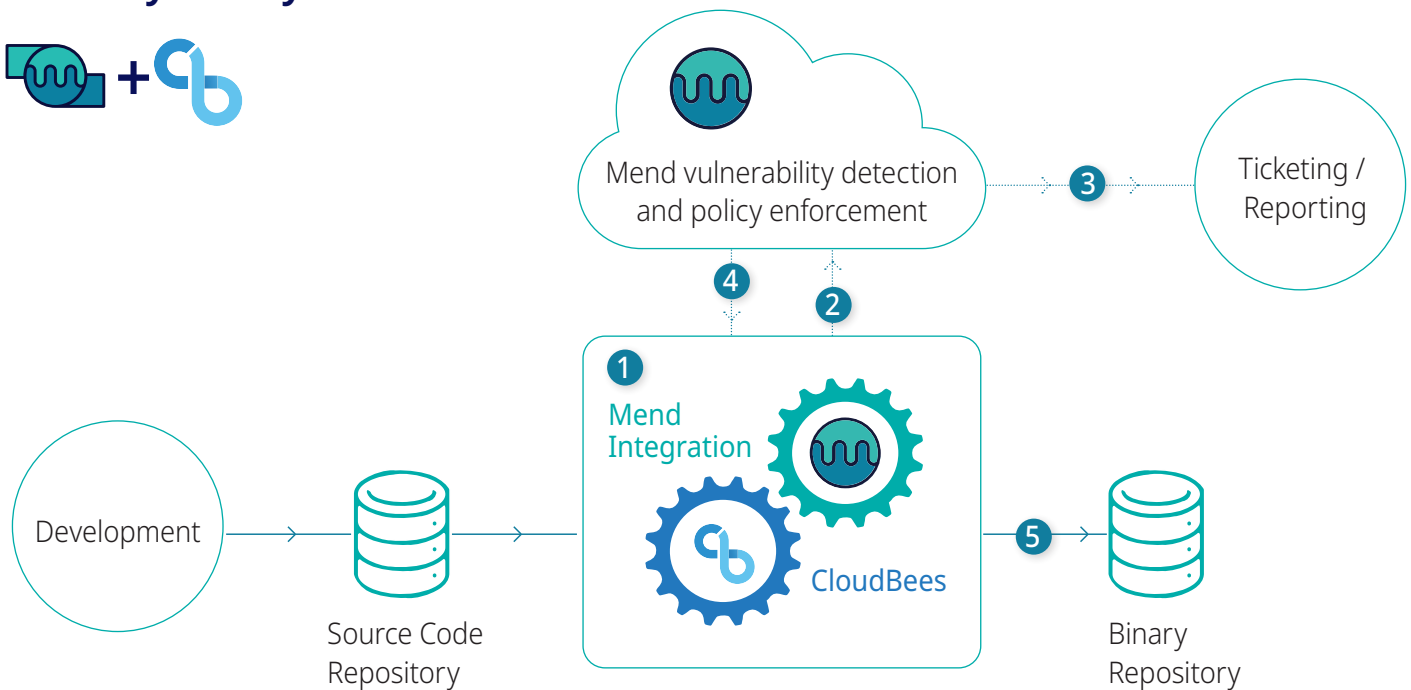
### Solution

The integration between the Mend Application Security Platform and CloudBees CI completely automates the process of scanning applications for vulnerabilities

### Benefits

- Reduce application attack surface. Find vulnerabilities and prioritize which ones to fix first.
- Block supply chain attacks. Identify malicious open source software packages and block them before they have a chance to pollute your code base.
- Enforce compliance policies. Automate testing and fail builds that don’t pass your security criteria.
- Ensure license compliance. Identify licenses associated with each one of your open source software packages. Fail builds that violate your license policies.

## Delivery of a system



## How it works

1. CloudBees CI triggers a code scan by Mend. Scans are performed locally. Your source code stays on-premises.
2. Scan results are sent to Mend's SaaS elastic scalable cloud for analysis.
3. Mend vulnerability analysis is either displayed on the Mend web-based user interface or piped into your existing vulnerability collection system or ticketing system via API.
4. If Mend detects policy violations, such as critical vulnerabilities or license violations, Mend can trigger CloudBees CI to stop the build process.
5. If there are no violations, CloudBees CI completes the build process and uploads the image to the binary repository.

Contact your Mend or CloudBees representative for more information about CloudBees and Mend solutions combined to address your particular needs

### About MEND

Mend is an application security platform that is more effective and takes dramatically less time to use than traditional application security products.

### About CloudBees.

CloudBees provides the leading software delivery platform for enterprises, enabling them to continuously innovate, compete, and win in a world powered by the digital experience.