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Microservices

The challenge of making microservices secure.

Microservices represent a decentralized approach to software development, where larger applications are broken down into smaller components, or microservices, and developed separately and concurrently. Working with microservices can help to increase the speed of development, provide more resilient applications and promote more efficient scaling.

Testing code is one of the challenges of working with microservices. Unit testing tools that scan small bits of code as they are written are ideal for testing microservices, but the time required for **unit testing** is prohibitive for many software development teams. Writing unit tests can often take as long as writing the actual bits of software. To take advantage of the many benefits of microservices, development teams need technology that can scan microservices quickly, easily and cost efficiently.

That's where Veracode can help. With automated software testing tools that let developers test code as it is being written, Veracode simplifies testing of microservices and enables development teams to deliver more secure code more easily.

5 principles of Secure DevOps

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Microservices testing technology from Veracode.

Veracode provides application security solutions for a software-driven world. Built on a unified platform, Veracode's application testing technology provides a comprehensive suite of solutions for securing applications from inception through production. Veracode solutions allow developers to find flaws at any point in the development process, and to fix them more easily and cost-efficiently. Veracode Dev Ops tools for testing include static analysis, white box testing, **blackbox testing techniques**, software composition analysis, vendor application security testing and more.

Veracode Static Analysis IDE Scan is a testing tool that finds security defects in microservices as code is being written and provides immediate contextual remediation advice to fix issues within seconds. Veracode Static Analysis IDE Scan runs right in the developer's IDE, scanning code in background to provide immediate, actionable and accurate results with very few false positives. With Veracode Static Analysis IDE Scan, developers can test code easily and quickly within their normal development workflow. They receive immediate feedback as soon as a flaw is introduced, and positive feedback when they have performed actions to improve security in the application.

Benefits of Veracode's microservices testing solutions.

With Veracode, development teams can secure microservices more easily by:

- Testing code as it is being written and remediating flaws immediately.
- Scaling testing protocol with an SaaS-based solution.
- Relying on Veracode's static analysis engine which has scanned more than 2 trillion lines of code to date.



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VERACODE

Veracode offers industry-leading application security solutions, helping businesses secure their software with comprehensive testing. Build secure, high-quality applications with Veracode.



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