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Solution Brief

Application and API Security

Challenges

As development has transformed into a continuous process via approaches such as Agile, security is falling behind. While the concept of DevSecOps is valued, there are significant challenges to its implementation:

- **Cultural Divide:** At many organizations, Development and Application Security teams are divided as to their goals and priorities. As reported in a Ponemon study, 67% of Development and Application Security teams find it "very difficult" to collaborate.*
- **Too Many Tools:** As discussed in an ESG report, having too many AppSec tools hinders DevOps integration. As a benchmark, around 65% of enterprises have 11-50 tools today.**
- **Open Source Vulnerabilities:** Open Source vulnerabilities in enterprise codebases are substantial and growing. A Synopsis study found an average of 158 vulnerabilities per enterprise.***

Prismo Enables Integrated, Continuous Development and AppSec

Prismo provides a cloud-native security platform that continuously uncovers risks in codebases that are in development and in production. Prismo combines Interactive Application Security Testing (IAST) with Continuous Run time Application Self-Protection in an integrated Software Development Lifecycle (SDLC). Prismo's approach provides:

Unified Dev and AppSec: Integrating Application and Runtime Security Testing seamlessly into the Development process unifies the efforts of both the Development and Security teams. Since the process is continuous, testing cycles can be run in hours versus weeks for today's approaches. The net result is that development is streamlined.

Single Platform: Prismo delivers all core security testing functionality from a single cloud-native platform that scales to the needs of the largest global enterprises. Further, Prismo integrates into core development (such as Jira) and ITSM (such as ServiceNow) systems. The net result is very high efficiencies for both Dev and Security teams.

Vulnerability Focus: Prismo leverages OWASP, MITRE, and other sources to pinpoint vulnerabilities, including Open Source components that may not be actively maintained. Once a detection is made, Prismo protects the vulnerability with a policy and provides a Call Stack with recommended fix for the vulnerability. This focus addresses a major source of Risk – and damage including breaches – proactively and rapidly.

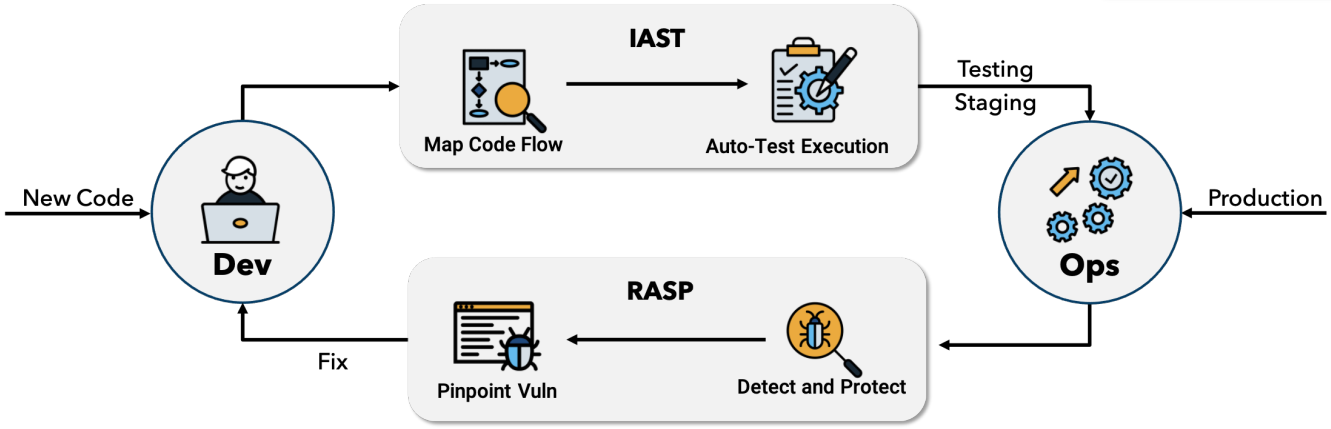
Highlights

Continuous Dev & AppSec
Provides continuous vulnerability testing across disciplines

Single Platform
A single platform provides Dev and AppSec testing across on-premises, Cloud, and multiple deployment options

Vulnerability Precision
Pinpoints vulnerabilities in custom, 3rd Party, and Open Source code

Prismo Integrated IAST+RASP Solution



DevSecOps workflow to detect vulnerabilities in design and production

* Ponemon, "Revealing the Cultural Divide Between Application Security and Development", Sep. 2020. ** Business Wire, "Nearly-50-Percent-of-Organizations-Knowingly-Push-Vulnerable-Software-According-to-New-Research-from-ESG-and-Veracode", Aug. 2020. *** Synopsis, "Open Source Security and Risk Analysis Report", Apr. 2021.

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Unique Capabilities

Prismo's integrated and automated approach enhances development and security in tandem.

Continuous Test Execution

Discovers code paths for new code and fixes. Profiles and fingerprints code to enable even the most subtle change to be analyzed and tested for security issues. Generates and executes test vectors continuously.

Cloud Agnostic

Prismo works for on-premises, Private Cloud, Public Cloud, and SaaS. It also supports monolithic, three-tier, microservice, and serverless deployments. This broad coverage ensures that all codebases can be tested.

Full OWASP Coverage

Prismo provides full OWASP coverage including Broken Access, Administration bugs, design issues, and logic flaws. And, Prismo pinpoints vulnerable code that can not be flagged by Development tools.

Protection in Production

Works out of the box – there are no rules to write or tune. Vulnerabilities are prioritized automatically and are protected by a "Protect until Patched" policy. Attacks only seen in production are detected and blocked in real time.

Agile DevSecOps

Prismo provides CI/CD integrations across Development, Testing, Staging and Production. Integrations with Ticketing and ITSM packages streamline the development process.

Pinpoint Vulnerable Code

With Prismo's Code Path and DNA mapping, Vulnerabilities are pinpointed in a Call Stack and a precise fix is recommended. This capability saves development effort and time.

Benefits

Innovation increases efficiency, automates security, and lowers cost.

Efficacy

Complete Coverage including 3rd party / Open Source, Full Detection, and Minimal False Positives or Negatives.

End to End Automation

Continuous, Agile, Cross-platform approach is fully integrated with DevOps and SecOps

TCO Savings

Saves through eliminating work, minimizing remediation effort, and automated mitigations

About Prismo Systems

Prismo is the first security platform to connect fragmented data across silos, empowering enterprises to continuously expose blind spots, proactively reduce attack surface, automatically mitigate risk, and adhere to the NIST cybersecurity framework. With Prismo, enterprises transform the way they secure users, assets, and applications with an active risk-based approach that simplifies the security stack, streamlines operations, lowers costs, and dramatically reduces risk. Headquartered in Silicon Valley, Prismo is backed by Sequoia Capital.

We're here to help!

The Prismo Active Cyber Risk Management Platform is the first security platform architected from the ground up to provide a continuous assessment of vulnerabilities in both development and runtime. If your organization is evaluating Prismo or planning for true DevSecOps, Prismo can help streamline, accelerate, and cost optimize your journey. Contact us today at: www.prismosystems.com/demo to schedule a demo.

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