



# Executive Summary

Agile DevOps, Cloud Deployment, Microservices, and Open Source have all dramatically accelerated application delivery and complexity. Today's AppSec teams depend on a collection of point security products and siloed manual processes. This makes it harder for AppSec teams and developers to gain visibility into the dynamic application risk surface and remediate it without slowing software releases. The resulting AppSec chaos means applications ship fast without the assurance of shipping securely, leaving the organization at risk of breaches and losses.

The ArmorCode AppSecOps Platform force-multiplies AppSec and development team efforts while providing the visibility, actionable insights, automation, and integration needed to build, deliver, and scale an effective AppSec program across the entire DevSecOps pipeline.

This report shows how, for an enterprise with 600 developers and 5 AppSec engineers, ArmorCode's platform delivers:

90%

efficiency gains for AppSec teams in reviewing and summarizing AppSec issues that need to be fixed

33%

reduction in developer time spent on reviewing, remediating, and reporting vulnerabilities

66%

improvement in overall time spent reviewing and remediating scans, leading to faster releases without increasing the team's headcount



# Introduction

**Staying nimble, fast, and responsive** is the key to cyber resilience and protection from application security vulnerabilities. AppSec plays a crucial role in safeguarding an enterprise's valuable information assets. Left open to exploitation, vulnerabilities in applications' software can be acutely detrimental: organizations can be liable for regulatory penalties and suffer a damaged reputation in the unfortunate event of a data breach.

In addition, organizations need to address the increasing friction between developers and AppSec teams. Part of the problem is the siloed tools between developers and AppSec teams. This slows down collaboration, and worse, increases friction between the teams that need to collaborate closely to accelerate innovation in a secure manner.

## Challenges Facing Appsec Teams

Application security is evolving rapidly, keeping security personnel and developers on their toes. Preparing to meet and overcome new and existing challenges is critical to formulating a robust cybersecurity strategy.



### Complexities of Modern Software Development

Modern development is a complex process involving Agile, DevOps, DevSecOps, Cloud development and deployment, APIs, and Microservices architectures.



### Reliance on Third-Party Components

The adoption and reliance on open-source and third-party software components have dramatically accelerated application delivery by decreasing the amount of code developers have to write, but at the cost of increased complexity and potential vulnerabilities.



### Pressure to Build and Release Early

Small and mid-sized enterprises are at extra risk of application security gaps due to increased pressure to deliver fast with limited resources, causing mental fatigue and exhaustion. According to a recent [CodeAhoy survey](#), 82% of developers claimed they had experienced burnout in the last 6 to 8 months. The fate of AppSec teams is even worse, as, on average, developers outnumber AppSec engineers from 100 to 1.

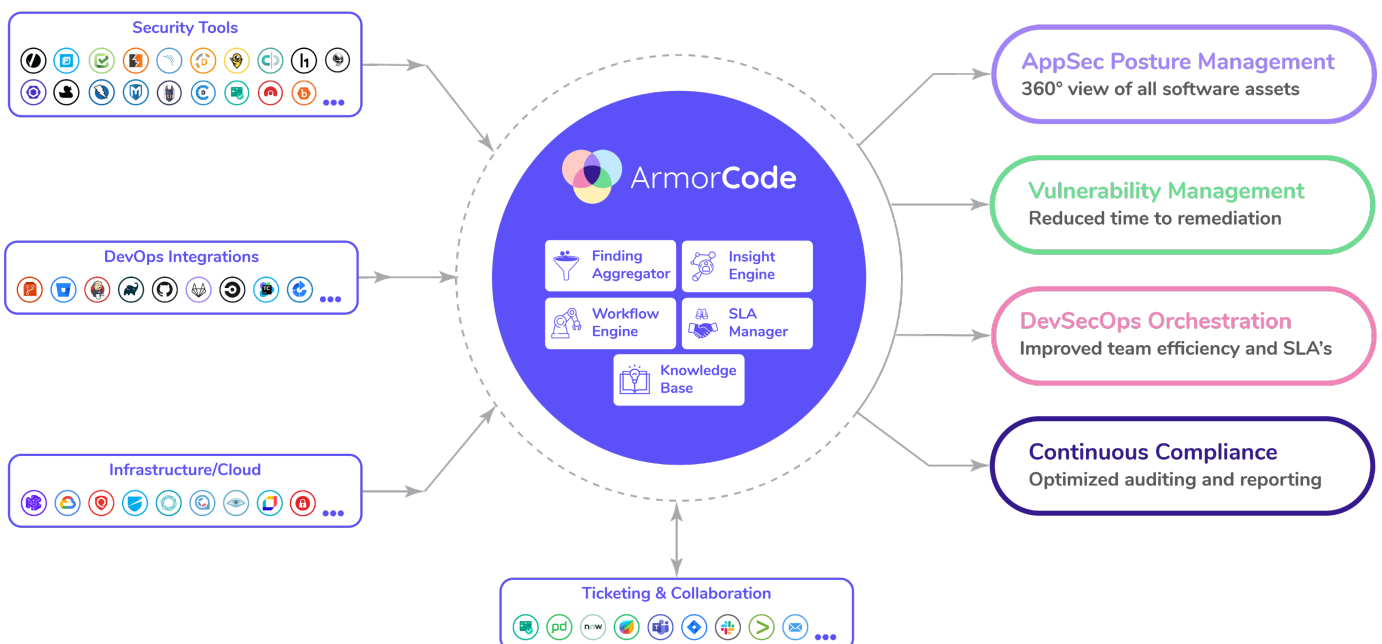
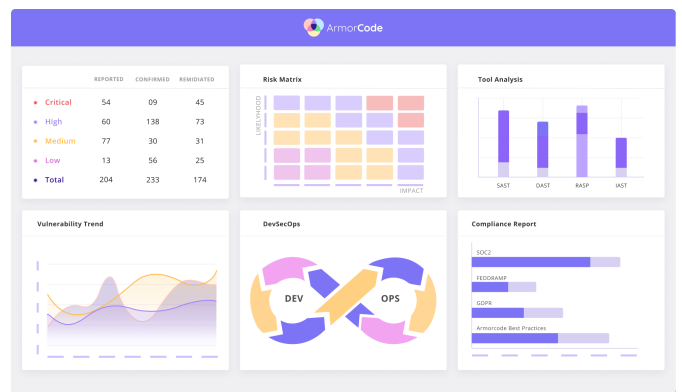


### Talent Shortage in the AppSec Space

Senior management finds it difficult to scale and strategize their application security programs with the scarcity of skilled security professionals, the increased need for business agility, complex audit and compliance requirements, and economic turmoil causing shrinking budgets.

# The Solution: ArmorCode's AppSecOps Platform

ArmorCode's Application Security Operations or AppSecOps platform helps an enterprise scale its AppSec program to the speed of DevSecOps without having to increase headcounts while leveraging tools they have already invested in. AppSecOps allows developers and AppSec teams to identify, prioritize, and remediate vulnerabilities and risks by fully integrating with existing DevSecOps workflows and tools while freeing AppSec teams and developers from mundane work.

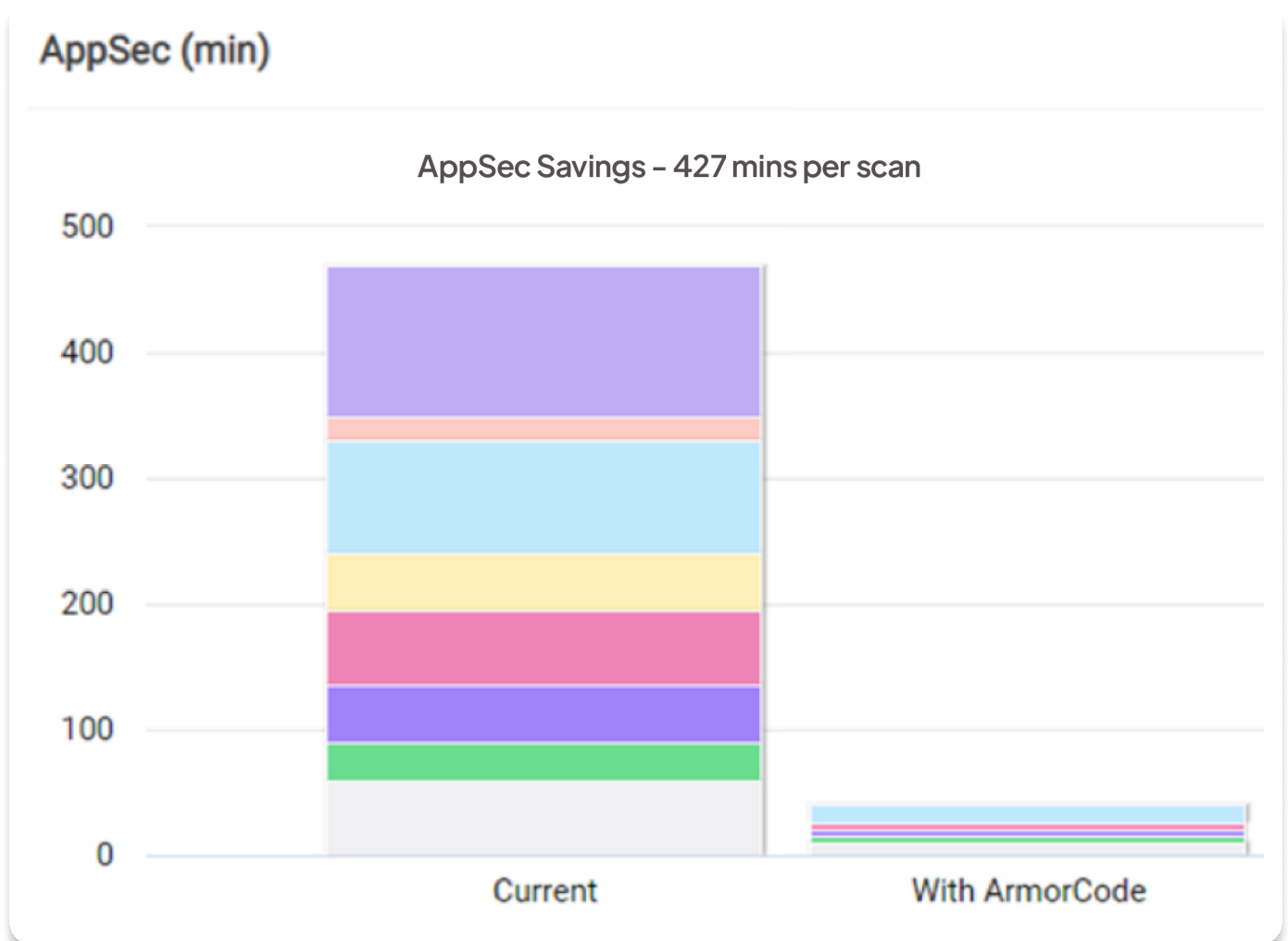




# Benefits to AppSec Teams

The ArmorCode AppSecOps platform allows AppSec teams to focus on the risks that matter most while automating many of their routine tasks. This enables them to reduce friction across various phases of the entire secure software development lifecycle (SSDLC).

In a study performed for an enterprise with **600 developers** and **5 AppSec engineers**, ArmorCode **saved 427 minutes** of AppSec team effort per scan, a 90% improvement over the current setup in which there was no AppSecOps platform.



- Deduplicate and identify new mitigated findings
- Calculate risk metrics per Product/Subproduct/Finding
- Perform vulnerability analysis
- Correlate findings across all tools
- Create Reports Spreadsheets
- SLA definition management and reporting
- Assign prioritized tasks tickets
- Collaboration Mentoring Approval Workflow

These results can be broadly categorized as follows:



### **Eliminating Duplicates and Focusing on What Matters Most**

ArmorCode phases out manual data clean-up by automatically normalizing and deduplicating findings from various AppSec and infrastructure tools. With an 'Insights View,' security personnel can instantly correlate findings across tools using categorizations such as CVE, CWE, OWASP, developer, device, custom tags, and more.



### **Fully Automated, Dynamic, and Customizable Reporting and Risk Metrics**

Eliminating the dependency on static spreadsheets and manual calculations, the ArmorCode platform provides numerous out-of-the-box, persona-based, real-time dashboards and customizable reports.



### **Effective and Efficient Tools Integration**

ArmorCode integrates with existing systems like ServiceNow and Jira to produce a single ticket, to streamline manual ticketing efforts with no-code automation, determine ticket ownership, and reduce friction between AppSec, development, and testing teams.

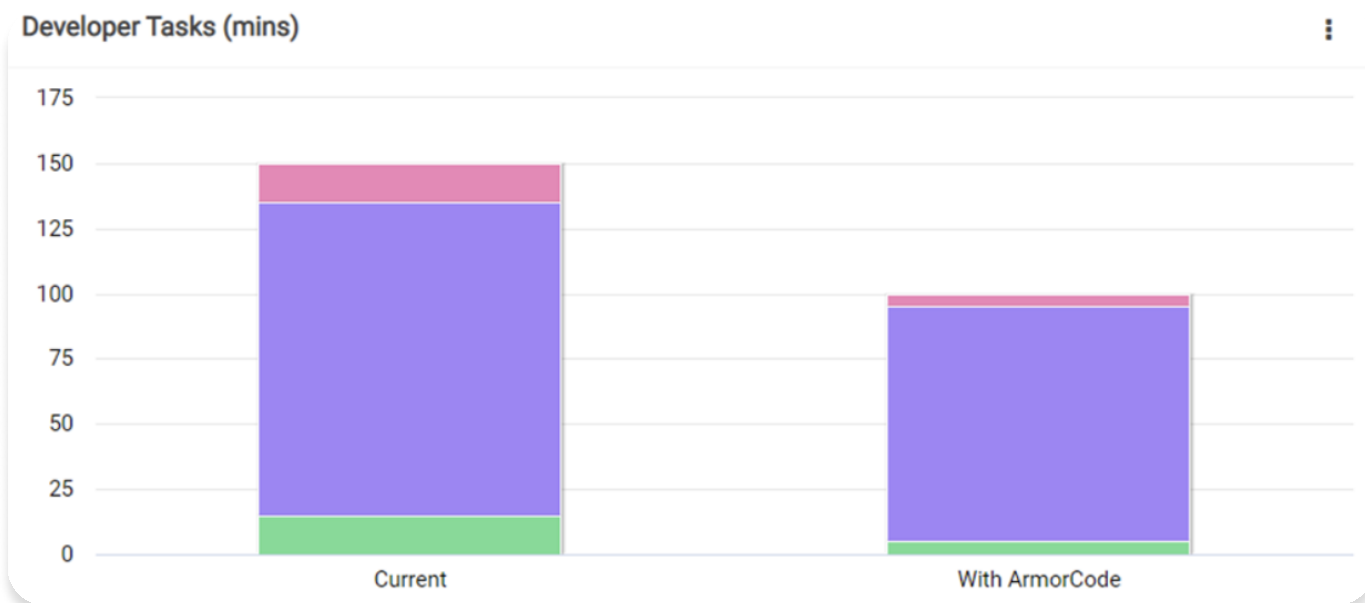


### **Simplified Streamlining Operations and Scaling Adoptions**

The ArmorCode platform enables collaboration between developers and AppSec engineers to ensure checks and balances. It enables organizations to streamline processes through various programs like Security Champion, Evangelist, or Liaison.

# Benefits to Developer Teams

ArmorCode allows developers to secure-while-they-code and boosts their efficiency by automating and orchestrating their AppSec vulnerability assessment and remediation workflows:



● Time to review finding      ● Time to remediate      ● Time to report

In the study conducted, developer tasks of **reviewing, remediating, and reporting** vulnerabilities dropped from 150 minutes to 100 minutes, a **33% savings**. When multiplied by hundreds or thousands of developers, these savings add up dramatically. The drivers of these benefits can be categorized as follows:



## Single Pane of Glass

This is one of the primary features of ArmorCode AppSecOps platform, which enables developers to avoid switching between tools such as Jira, Slack, etc., to correlate findings. Instead, findings across security tools are combined into a single ticket, removing the need to deal with unfamiliar tools and multiple tickets.



## Adaptive Knowledge Base

ArmorCode's Adaptive Knowledge Base is fully customizable to best capture an organization's policies, procedures, best practices, and available training programs. It boosts developer productivity by cross-correlating tickets, findings, and code commits. This also brings consistency across an organization that is beset with different practices in its different divisions.



### Enhanced Collaboration

The ArmorCode platform makes collaboration easier and more efficient, by leveraging automation to connect development and security teams via bi-directional integrations with their native ticketing systems (Jira, Slack, ServiceNow, etc.)

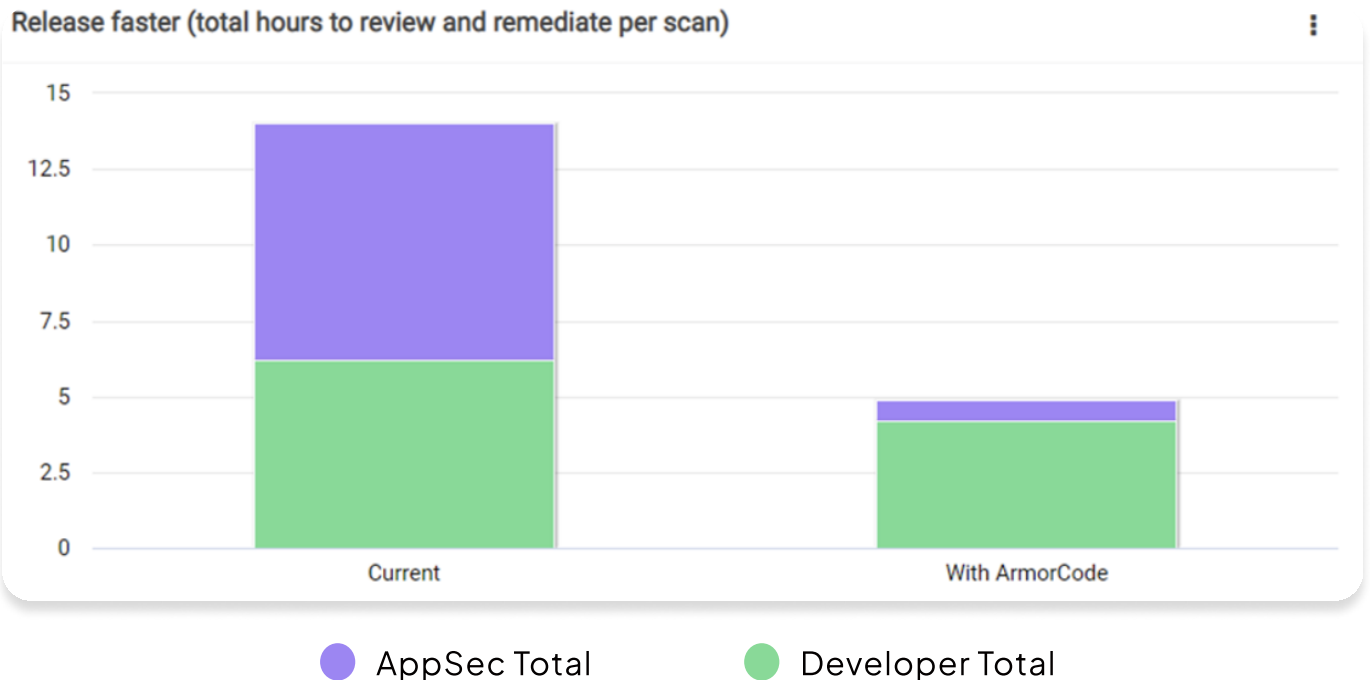


### Unification of Service Level Agreements

The automatic application and unification of SLAs is simplified when vulnerabilities are ingested by ArmorCode's platform. The platform employs reusable templates to enable the administration of different SLAs to appropriate assets/applications.

## Release Faster

AppSec and developer team efficiency translates into faster releases. ArmorCode helps teams do more with less, and release software faster and more securely without having to recruit additional talent.



The business value delivered by this automation is a 75% reduction in cost or cost avoidance with ArmorCode, compared to an existing setup without the ArmorCode AppSecOps platform.



## Conclusion

Digital transformation means applications are being developed at an increasing rate. New apps deliver numerous business benefits but at the same time, introduce new cyber risks. ArmorCode's AppSecOps Platform is designed to overcome this challenge. ArmorCode platform is used by fast-growing digital native companies with 200 to 5000 developers to some of the biggest brands in the world with global operations and 30+ business units. It provides AppSec teams with visibility, actionable insights, automation, and integrations needed to build, deliver, and scale an effective and efficient AppSec program across the entire organization and DevSecOps pipeline; delivering stellar business value faster by force-multiplying the capabilities of your existing security and development talent.

## References

- ArmorCode February. (n.d.). What is an AppSecOps Platform and Why is it Critical to AppSec Success? Armorcode.com. Retrieved August 18, 2022, from <https://www.armorcode.com/blog/what-is-an-appsecops-platform>
- Burnout in software development - survey results 2021. (2021, October 1). CodeAhoy. <https://codeahoy.com/2021/10/01/software-developer-burn-out-survey/>