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DATA SHEET

Application Penetration Testing

Timely, tailored, and thorough assessment of your application's cybersecurity from an adversarial perspective, covering the service mesh, managed services, and application-layer logic.

Key Benefits

- **Assess Technology Stack:** Evaluate the software technology stack from service mesh and managed services to proprietary application logic

- **Identify Security Risks:** Discover risks associated with design, implementation, and configuration

- **Receive Solutions:** Get actionable remediation guidance to mitigate identified vulnerabilities

Your Challenge

Your organization's applications rely on cloud-first technology stacks. That means the data and secrets you need to protect could be vulnerable to the full range of software- and cloud-based attacks that adversaries are continually expanding.

> **You need assurance** that your cybersecurity strategy is comprehensive, that your data and that of your clients is as secure as possible, and that your applications meet any applicable industry regulatory requirements.

Capabilities Overview

Praetorian's Application Penetration Testing engagements provide a timely, tailored, and thorough assessment of your product's cybersecurity from an adversarial perspective. Our assessments include a comprehensive analysis of the building blocks that make up modern applications, including the service mesh, managed services, and application-layer logic.

> **Comprehensive Testing:** Using a combination of manual and automated techniques, we identify vulnerabilities ranging from classical web application vulnerabilities on the OWASP Top 10 to complex attack paths that chain together multiple weaknesses. Manual techniques provide depth, while automated techniques provide breadth of coverage.

Service Types

FRAMEWORK-BASED

Benchmarks your application against industry standards such as OWASP ASVS or MASVS. Ideal for compliance requirements and baseline security validation.

GOAL-BASED

Pursues attack paths that target specific critical assets based on a collaboratively-constructed custom threat model. Focused on business-impact scenarios.

Why Praetorian

Praetorian's clients gain maximum benefit from our decade of experience and deep technical expertise in application penetration testing. Our team is equally adept with cloud-first applications and on-premises deployments, and can assess server-side, desktop, and mobile applications.

Praetorian's engineers bring a creative, adversarial mindset to every engagement. We pair that expertise with a focus on the client experience, tailoring each engagement to your business needs in order to provide actionable findings.

Collaborative Approach: You can rely on us to ask deep questions, work closely with your teams, and provide direct, clear feedback on what we find. Our team keeps your bigger picture in mind so we can help your company understand both the ground truth about your security program and its implications for your company's future.

Who Needs This Service

- **Organizations** wanting to analyze risk to make security a central part of their business proposition. These engagements are highly productive, as Praetorian can help identify the best-in-class security controls needed to reach specific goals, then retest to verify those controls are implemented properly.

- **Security teams** requiring independent, trusted security reviews of their products to meet customer- or regulatory-driven requirements.

Deliverables

At the completion of the engagement, Praetorian experts provide the following:

Executive Summary

Concise explanation of engagement goals, significant findings, business impacts, and strategic recommendations. Letter of attestation available upon request.

Engagement Outbrief

Similar to the executive summary, presented to the audience of your choosing for interactive discussion.

Technical Findings Report

Detailed description of issues and the methodology used to identify them, as well as an impact assessment for each finding.

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About Praetorian

Praetorian is an offensive security engineering company whose mission is to make the digital world safer and more secure. Through expertise and engineering, Praetorian helps today's leading organizations solve complex cybersecurity problems across critical enterprise assets and product portfolios.

Website
www.praetorian.com

Email
info@praetorian.com

Address
6001 W Parmer Ln, Ste 370, PMB 2923
Austin, TX 78727 USA

Ready to Secure Your Applications?

Contact us today to discuss your Application Penetration Testing needs and discover how Praetorian can help you identify and remediate vulnerabilities in your software.