

# Application Security Testing (AST)

## Veracode: Intelligent Software Security Solutions & Services

With cyber threats on the rise, it's understandable to be concerned about the next potential vulnerability that could put your organization and reputation at risk. The recent Log4J vulnerability serves as a stark reminder of the importance of securing your software applications. That's where our Application Security Testing (AST) comes in. GSI provides comprehensive solutions and services to ensure your software is secure throughout the software development lifecycle (SDLC), giving you peace of mind and proactively safeguarding your enterprise from potential cyber threats.



### Application Security Testing Solutions & Services:

- Protecting Your Software Development Life Cycle (SDLC)
- Developing Developer Security Competency
- Protect Software Supply Chain
- Managing Web App Attack Surface
- Secure Cloud Development





## Protect Software Supply Chain

In today's digital landscape, organizations often rely on third-party resources, such as open-source software and outsourced development, to accelerate their market delivery. However, this approach exposes their software supply chain to potential risks and malicious actors. To safeguard against these threats, maintaining complete transparency into supply chain dependencies is crucial. Poor governance of third-party resources and lack of visibility into open-source utilization can lead to buried issues in the code, making it essential to identify, prioritize, and resolve any potential issues. Additionally, adhering to emerging government regulations is essential. By ensuring transparency within your application's dependencies, you can shield your organization from potential security breaches.



Safeguard your software supply chain with Veracode's arsenal of tools designed to prioritize and resolve potential issues, while adhering to emerging government regulations.

- **Software Composition Analysis tool** continuously monitors software and its ecosystem to detect open-source vulnerabilities and license compliance risks.
- **Container Security** prevents exploits to containers before runtime and provides actionable results to help developers remediate effectively.

## Managing Web App Attack Surface

In this age of mergers, acquisitions, shadow IT, digital transformation, and remote work, organizations are increasingly vulnerable to exploitation. Unfortunately, security teams often lack awareness of their perimeter assets, leaving them open to significant risks. To combat this, organizations must take on the unknown by keeping a precise inventory of their web assets. Without complete visibility, unknown and exposed assets are vulnerable to attack. To gain a comprehensive understanding of the attack surface, authenticated scans that go beyond surface level are necessary to provide a holistic view of the entire website.

Despite these measures, IT and security teams still struggle to prioritize and address the risks associated with exposed vulnerable assets in a timely fashion. However, with the right tools and strategies, organizations can effectively manage their web app attack surface and protect against potential security breaches.

Veracode offers robust solutions to manage the attack surface of web applications, empowering organizations to safeguard against potential security risks.

- **Veracode's Dynamic Analysis** tool detects and repairs runtime vulnerabilities in web applications and APIs.
- **Penetration Testing as a Service (PTaaS)** allows organizations to leverage expert penetration testers as a subscription service to uncover elusive vulnerabilities that only humans can find.



## Secure Cloud Development

As software increasingly transitions to the cloud, securing the complex landscape of compliance and security presents novel challenges. This is why development, security, and ops teams need to collaborate to protect the entire cloud-native stack, from code to cloud and back. However, safeguarding the cloud requires more than just applications, as it also encompasses OS, container images, and managed infrastructure configuration. Although the shift to cloud-native architecture offers advantages, it also brings its unique set of difficulties, such as carrying over existing tech debt into the new environment. Fortunately, Veracode provides an ideal solution to address these hurdles.



- **Veracode's Container Security** offers a comprehensive solution that brings security, operations, and developers together in your cloud-native software development process. With integrated tools, you can secure your containers and infrastructure as code (IaC) from start to finish, ensuring your organization is protected against potential security breaches.

## What Makes GSI's Application Security Tools and Solutions Different?



### Application Expertise

Industry-leading enterprise application experts with an average of 18+ years of application, security, industry, cloud, business, and managed services experience.



### Certified CISO & vCISO Resources

GSI has certified Chief Information Security Officer (CISO) and virtual Chief Information Security Officer (vCISO) resources.



### Certified ISO 27001 Lead Implementer

Certified ISO 27001 Lead Implementer resources on staff. GSI is certified to implement the formal structure, governance, and policy of an ISO 27001 conforming to the Information Security Management System (ISMS) standards.



### AICPA SOC 2 Certified

GSI is SOC 2 certified by the American Institute of CPAs (AICPA) which demonstrates that GSI has specific security controls in place.



### Sub-5-Minute Response Time

Average sub-5-minute response time to tickets and alerts.



### 100% Signature Guarantee

All Services Backed by GSI's Signature 100% Guarantee.

## What are the Security Challenges in the SDLC?

 <b>Challenge</b> Detecting vulnerabilities (Cross-site scripting, SQL injection, LDAP injection, cross-site request forgery, insecure cryptographic storage, etc.)	 <b>Solution</b> An Application Security Testing Tool with both dynamic and static code analysis can address vulnerabilities early in the development process
 <b>Challenge</b> Vulnerabilities from APIs, third-party applications, and integrations	 <b>Solution</b> An AST solution secures the integration process, assesses risks with third-party apps and APIs, and provides continuous monitoring
 <b>Challenge</b> New vulnerabilities or security weaknesses as applications evolve	 <b>Solution</b> An application security testing tool provides continuous monitoring and feedback
 <b>Challenge</b> Meeting compliance/regulatory requirements	 <b>Solution</b> By utilizing an AST, you can assure applications are in line with industry standards & regulations, mitigating the possibility of facing non-compliance issues & penalties.
 <b>Challenge</b> Addressing false positives and negatives	 <b>Solution</b> AST Tools aim to minimize false issues that are not real vulnerabilities and only identify real vulnerabilities

### For more information:

Contact us today to learn more. You can also [email us](#) or call (855) 474-4377.

### GSI, Inc.

GSI is a forward-thinking organization that aligns and optimizes your digital footprint with your business goals. We combine our deep business and industry experience with our expert knowledge of enterprise applications, automation, cloud and cybersecurity to deliver secure and flexible systems that allow your business to thrive and not just survive.

GSI's comprehensive suite of solutions includes: AppCare, a 24/7 managed service that includes EaaS with flexible "on-demand" services and dynamic pricing; GENIUS AI, an Application Intelligence Platform (AIP) for creating application health and user experience monitors; GENISYS, a solution for optimizing system performance; RapidReconciler®, its inventory reconciliation software; GENOME, which automatically Detects, aNalyzes and Automates the process of converting customizations into Orchestrations; and GatewayNow, low-cost, accelerated time-to-value ITSM solution using the industry-leading ServiceNow platform in a fully managed environment.

GSI consulting and managed services are backed by its signature 100 percent guarantee. Founded in 2004, the rapidly growing company is headquartered in Atlanta with worldwide resources. With over 100 employees, GSI consultants average over 15 years of real-world experience and are certified experts in business, industry, and enterprise applications. GSI provides comprehensive 24/7 global support.

