Why API Security?

Application Programming Interfaces (APIs) are everywhere.

From facilitating data sharing and integrations with customers, to the enabling of key web and mobile applications, APIs have increasingly become more critical to our software development and deployment lifecycles. But along with increased utilization and importance, the necessity for a stronger discipline around API security is more apparent than ever. Understanding the security posture of your APIs, public and private, where you are vulnerable and how to fix it, is a giant leap toward reducing your risk and protecting your business against attacks.

But securing APIs is difficult, you say?

Correct! Typical API testing is manual, tedious, and time-consuming and doesn't fit well with automated Application Security strategies. Testing APIs remains one of the biggest challenges for security teams, partially because the endpoints cannot always be discovered by a site crawl and require authentication for deep analysis.

Testing APIs manually is very tedious and time consuming; and less than 25% of organizations are testing their APIs today.
Keeping your APIs secure

Sentinel Auto API’s Software-as-a-Service (SaaS) platform provides highly scalable, accurate and fully automated vulnerability scanning for web service APIs, public, private and internal facing APIs.

By uploading your API documentation and configuring authentication, Sentinel Auto API empowers your security and development operations with actionable information on vulnerabilities that pose immediate security risk and require remediation. Then automated, continuous security testing can be performed against those API endpoints, validating that you remain secure throughout the DevOps lifecycle. Auto API is fully configurable and has all the support of NTT Application Security’s industry proven services, including verified findings, ask-a-question, and vulnerability reviews with our security experts – all providing increased value to your Application Security program.

Key Benefits:

✓ Scan web service APIs, public, private and internal facing APIs
✓ Seamless onboarding and automated scanning
✓ Unlimited continuous assessments
✓ Fully configurable API editor
✓ Support for most common authentication types
✓ Highly scalable to assess thousands of API’s simultaneously
✓ Verified findings and access to security experts
✓ On-demand retests
Sentinel Auto API Standard Edition testing for a single API includes automated identification of vulnerabilities, automated retesting, vulnerability verification, and ask-a-question support. Automated scanning and detection can be performed continuously against the configured operations during the subscription term.

**Key Features:**

- **Easy to Deploy, Concurrent and Scalable**
  - Easy to deploy Cloud-based platform and can concurrently scan an unlimited number of sites without slowing you down.

- **Automated Scanning**
  - Allows for continuous and automated scanning of APIs and their endpoints.

- **Support for Most Common API Authentication Types**
  - API key authentication
  - OAuth 2.0
  - Bearer token - JSON Web Token (JWT)

- **Supported Documentation Formats**
  - Open API 3.0
  - Swagger

- **Secure your APIs in any DevOps Environment**
  - VMs, Cloud and On-premise

- **Fully Configurable**
  - API editor inside Sentinel allows you to fully customize all your API operations, including setting default values, and disabling and enabling entire operations.

- **Vulnerability Verification**
  - All findings are first verified by our Threat Research Center (TRC), and only verified findings are published within Sentinel.

- **Unlimited Access to NTT Application Security Experts**
  - Custom remediation guidance, and the “Ask a Question” feature enables you to access security experts at any time, right from the Sentinel Portal.

- **On-Demand Retests**
  - Ability to retest Sentinel detected vulnerabilities on-demand after remediation to confirm whether the vulnerabilities have been fixed.
Sentinel Auto API Advantage

Easy-to-Use, Fast and Scalable, Highly Accurate

Most API scanning tools and solutions available today are difficult to onboard, configure and operate. Many solutions do not provide integration with OAuth providers or into the DevOps lifecycle. Sentinel Auto API is changing the game for dynamic testing of APIs by making it extremely easy to configure and integrate. Continuous scanning can begin as simply as just uploading a documentation file. API scanning can be integrated directly into the DevOps lifecycle, so that developers can find and fix vulnerabilities without the need for a dedicated security engineer. In addition, support from our security experts ensures that you get highly accurate results and on-time remediation advice.

Powered by Artificial Intelligence and Machine Learning

Sentinel Auto API brings together Machine Learning and human expertise to deliver the most accurate Application Security Testing platform to secure your APIs. Years of valuable data gathered by our highly trained Threat Research Center (TRC) security experts are used to develop our proprietary AI/ML models. At NTT Application Security, we keep human curation at the core of our AI/ML based vulnerability verification subsystem to not only deliver class-apart results but also to aid the constant learning of our systems.