Connectivity is a wonderful thing. The world sits at our fingertips via our desktops and devices. We can post, purchase, or pick anything, anywhere. But how does this happen? How do our wishes become an application’s command? As it turns out, there is an industrious - but vulnerable - hero of our connected world: the application programming interface, or API.

APIs are the bridge between applications but they also are the front door to sensitive information like user identities, business data and application logic. Failure to secure this critical code has led to highly publicized breaches where the result was mass data exfiltration - seriously damaging customers and suppliers in addition to the exploited businesses.

Done correctly, a secure software development life cycle (SSDLC) requires continuous automated analysis of vulnerabilities that may emerge with changes to application logic and user access controls. Software developers, who may be great at coding for smooth functionality or rich features, are not always the most knowledgeable of or adept at security. This is a common problem, but easily fixed if companies approach APIs and app creation with an integrated “security by default” approach.

Structured can help organizations achieve this level of security with API Security Management from apisec™. Whether your APIs live on-premises, in the cloud, or in both, apisec’s SaaS-delivered toolset helps DevOps, AppSec and SecOps teams seamlessly collaborate to identify and address vulnerabilities before buggy code is publicly released.

Even better, when your DevOps, AppSec, and SecOps teams may be the same few people, this toolset dramatically boosts their security capabilities by delivering automated security risk discovery with AI-based risk scoring and BOT-based custom attacks. Whenever there is a change to an API, BOTs probe and attempt exploits against the code to uncover weaknesses. Vulnerabilities are reported and scored, allowing your team to prioritize risk and fix the code as needed. It’s a powerful ally in the effort to deliver secure APIs.
Structured and apiseck™ start with a view that developers should freely focus on building great features and capabilities in their APIs. Security should not be something that every developer must master. Still, it is important for organizations to achieve a secure software development life cycle (SSDLC). With API Security Management, security is integrated right into the development process, where developers can have their APIs validated at every check-in. The result? Software programmers are free to spend the majority of their time on coding for features and functionality while maintaining strong security standards in their APIs.

Security teams, accountable not just for application integrity but also for regulatory compliance and enterprise protection, need an easy way to ensure APIs are not exposing the company to risk, privacy violations, or other compliance failures. Structured and apiseck™ provide a streamlined way for SecOps to work with AppSec and DevOps to prove organizational compliance and security on demand.

Benefits at a Glance for AppSec

- Seamless integration with developer processes and tools.
- Catch and patch vulnerabilities early when they are easier to fix.
- Powerful analysis engine never bogs down the creation process.

Benefits at a Glance for DevOps

- Focus on features, trust Structured for security.
- Does not disrupt development, integrated in normal toolchain.
- AI matching engine prioritizes problem code.

Benefits at a Glance for SecOps

- Integrate full vulnerability lifecycle management with DevOps & AppSec
- Understand and manage risk at the speed of business
- Maintain enterprise-wide security and compliance.

To discuss how Structured and apiseck™ can help you achieve API security while demonstrating compliance and developing at speed and scale, contact your Structured account manager or email info@structured.com.

Not quite ready for a full deployment? Start with an API assessment from Structured as a stand alone project or part of a larger assessment.

About Structured

Structured is an award-winning solution provider delivering secure, cloud-connected digital infrastructure.

For nearly 30 years, we’ve helped clients through all phases of digital transformation by securely bridging people, business and technology. We provide design guidance, engineering assistance, and product recommendations that adhere to best practices, boost ROI, and -- most importantly -- maximize information security.