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WHITE PAPER

API SECURITY

In our rapidly growing world of digital transformation, the number of Application Programming Interfaces (APIs) which are the bedrock of modern-day applications are growing rapidly. Because businesses use APIs for critical business operations, data transfer, and connection to services, they have become a target for hackers. APIs are key to programming web-based communication, hence, a hacked API can lead to a data breach.

An API is simply an interface that provides a connection between computers or computer applications. API security on the other hand is any practice that prevents malicious attacks and misuse of APIs.

According to the findings of a research work carried out by Gartner and published in December 2021, “API security challenges have emerged as a top concern for most software engineering leaders, as unmanaged and unsecure APIs create vulnerabilities that could accelerate multimillion dollar security incidents”. This calls for proactive steps to be taken by businesses towards securing their APIs.

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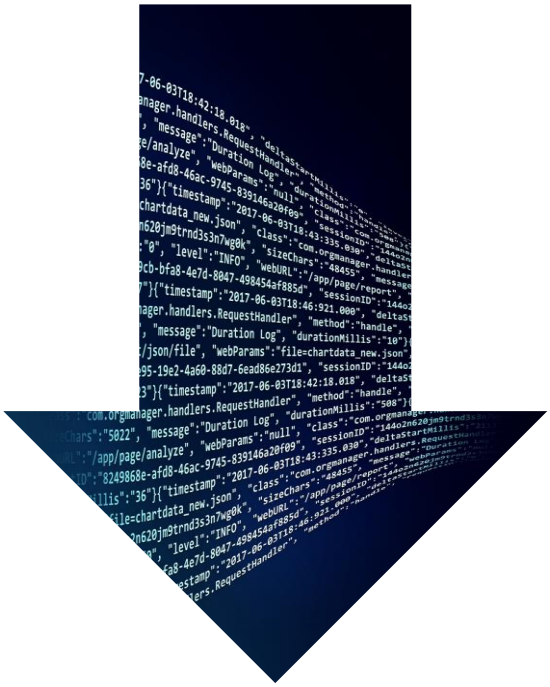

Threat actors now realize how lucrative API attacks could be. As a matter of fact, API attacks are a preferred attack channel for these threat actors since these APIs today expose application business data and logic more than ever.

The most common API attacks are broken user authentication, excessive data exposure, and security misconfiguration. Existing security measures like web application firewall, identity and access management (IAM) tools, API management tools, and API gateways provide a level of protection but they are not efficient and sufficient enough in addressing the totality of API security requirements which include discovering all your APIs, detecting possible risks, and remediating the associated threats.

The Salt Security solution has been specifically designed to secure enterprise application APIs. Amongst other solutions, Salt provides context-based security for all APIs across the building, with fast deployment time and accuracy in addressing API operation bottlenecks. Using the integrated machine learning/artificial intelligence data engine, the salt solution is capable of discovering all your APIs, stopping attackers at the early stages of attempted attacks, and sharing insights to improve your API security posture.

WAFs And API GATEWAYS IN THEMSELVES ARE INADEQUATE FOR API SECURITY. FOR EFFICIENCY, COMPLEMENT THEM WITH A CONTEXT-BASED API SECURITY SOLUTION.

Reach out to us at AA-Consulting for detailed information and support on how to maintain a healthy security posture. We are a top partner to different renowned vendors of security solutions, the Salt API security solution inclusive.

ABOUT AA-CONSULTING

Headquartered in Israel, AA-Consulting established its regional offices in Lagos, Nigeria in 2001. The company specializes in IT services to local organizations and companies. This includes local technical staff of experienced engineers and high-level customer service and support.

Our solutions are based on advanced technologies, backed by a team of skilled and experienced customer support engineers. The company had excelled in local representation for over a decade, providing fast response time, problem solving and readily available products.

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www.aa-consult.com

Hachayil 43
Ramat-Gan
Israel
+972 (77) 5510082

No. 334 Ikorodu Road,
Anthony, Lagos
Nigeria
+234 (803) 7396245