HANABYTE

API Penetration Testing

Application Programming Interface (API) penetration testing is a cybersecurity technique performed in ethical hacking to identify and assess the security posture of the API design. Security in data transfer between systems is integral to web and mobile applications that transfer sizable amounts of data and APIs may be susceptible to sensitive information disclosure, unauthorized access, and input validation flaws that can be detected with thorough penetration testing.

SCOPE

- A meeting with the client is necessary to review the penetration testing rules of engagement that includes project scope, testing timeline, and testing limitations. All necessary documentation will be collected including all API documentation, authentication credentials, and roles.
- Reconnaissance by open-source intelligence (OSINT) gathering will identify any sensitive information about the client or related entities that is publicly available. API aggregators or other search engines are valuable resources to check publicly available API documentation.
- A vulnerability assessment will be conducted to evaluate the client's attack surface and determine vulnerabilities in the API design using automated vulnerability scans. There will then be attempts to exploit the vulnerabilities identified to collect information on the criticality prioritization of vulnerabilities.

DELIVERABLES

- A comprehensive report on the analysis of vulnerabilities discovered during the penetration testing with prioritization of vulnerabilities in accordance with the Common Weakness Enumeration (CWE) category system to assist the client in remediation.

PERSONNEL

- One HanaByte security consultant would be needed for this engagement with an expected turnaround time of 1-2 weeks.

CUSTOMER RESPONSIBILITIES

- Confirm penetration testing rules of engagement and any testing limitations/restrictions.
- Provide project scope/target information including IP addresses, URLs, API tokens, authentication credentials, etc.
- Provide any necessary API documentation

Google Cloud Partner

aws PARTNER
Premier Tier Services

Our Services

Cloud Migrations & Modernization

We ensure a secure cloud migration & modernization of your workloads, data, and infrastructure. Our team provides guidance and support throughout the entire process, from planning and execution to post-migration optimization.

Security & Compliance Advisory

As your best friend in security, we work with you every step of the way to develop and execute a robust security and compliance strategy. Through the use of assessments, workshops, and program development we provide a detailed roadmap and actionable recommendations to achieve your goals.

IAM & Zero Trust

We work with you to integrate Identity and Access Management best practices and procedures. We ensure that your authentication and authorization can be measured for every access request, ensuring that only verified users can interact with sensitive resources, and reducing the risk of data breaches and cyber attacks.

DevOps & Security Engineering

Our DevSecOps experts are ready to assist with maturing a software development lifecycle, creating cloud automation, and performing tool integrations to foster secure engineering practices. We specialize in CI/CD, containers, and infrastructure as code.

Application Security & Software Engineering

Our services provide end-to-end protection for your applications and APIs. Our team will work with you to implement the latest technologies to keep your applications secure from development to deployment and reduce the risk of supply chain attacks.
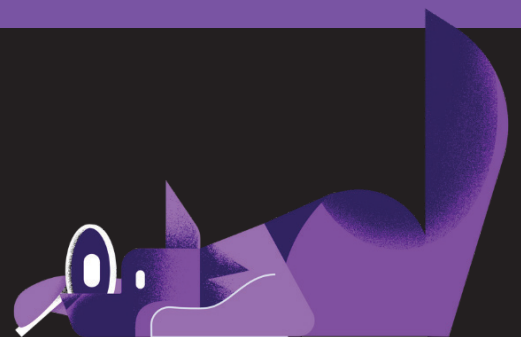
AI & Data Security

We offer cutting-edge protection for your digital ecosystems, ensuring safeguards for sensitive data and artificial intelligence (AI) are implemented properly so that you can stay on top of the ever-evolving landscape of cyber threats.

About HanaByte

We are a team of skilled, empathetic individuals with a passion for cybersecurity. We believe in creating a safe and secure online environment for everyone, and we're committed to the pursuit of that goal.

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Follow us on our socials and sign up for our newsletter to stay in touch!

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