ALLELE

SECURITY INTELLIGENCE

EFFICIENT SECURITY SERVICES

ABOUT US

Allele Security Intelligence is an independent company specializing in information security research. Research and development are fundamental principles that guide our decision-making, enabling us to offer efficient and excellent services to our clients.

MISSION

Conduct original and impactful research to identify, analyze, mitigate, and resolve information security problems in a rigorous, efficient, and excellent manner for our clients.

VISION

To be recognized for conducting original and relevant research and becoming a reference in information security consulting, intelligence, and training services.

VALUES

Efficiency
Integrity
Excellence

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VULNERABILITY AND THREAT INTELLIGENCE

Vulnerability and threat intelligence are key services at Allele Security Intelligence. Our research discovers previously undetected vulnerabilities and threats and provides our clients with the intelligence they need to stay protected in advance.

We will inform our clients about unpatched vulnerabilities, threat actors, widely used attack techniques, and yet-to-be-explored attack vectors. This is the ideal service for staying informed about vulnerabilities and threats from a dynamic company that is attentive to its clients' needs.

HOW IT WORKS

1. DEFINITIONS OF THE OBJECTS
2. 24/7 MONITORING
3. THREATS AND VULNERABILITIES DETECTED
4. CUSTOMER NOTIFICATION

SOURCES

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THREAT MODELING
AND RISK ASSESSMENT

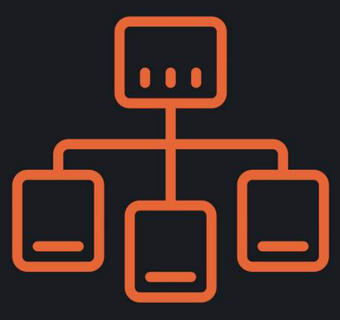
We provide clients with the necessary understanding for proper threat modeling and risk assessment, always prioritizing the protection of your business. We help you securely design your infrastructure or applications. Additionally, we work on modifying existing projects to achieve an appropriate security level. Risk management is fundamental to our services, and we always offer our clients the safest solutions tailored to their business needs and reality. Count on us to establish your business security, avoiding unnecessary risks, and allowing you to focus solely on your company's core business.

HOW IT WORKS

1. SET GOALS
2. IDENTIFY ASSETS
3. PRESENT AN OVERVIEW OF THE MODELING OBJECT
4. DECOMPOSE OBJECTS
5. IDENTIFY THREATS AND VULNERABILITIES
6. DOCUMENT THREAT MODELING

APPLICATION

SOFTWARE



PROCESSES

NETWORK ARCHITECTURE

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PENETRATION TESTING

Discover critical vulnerabilities in your business and protect yourself from security issues that could disrupt your company's operations. Our penetration testing service stands out due to the technical and business quality we deliver. We are experts in offensive security and are recognized internationally for conducting high-level research.

In our deliveries, clients will find a high technical standard with interesting and original results, in addition to gaining a partner company that truly cares about their security.

HOW IT WORKS

1. SCOPE DEFINITION
2. RECONNAISSANCE
3. THREAT MODELING
4. AUTOMATED TESTING
5. MANUAL TESTING
6. REPORT FINDINGS

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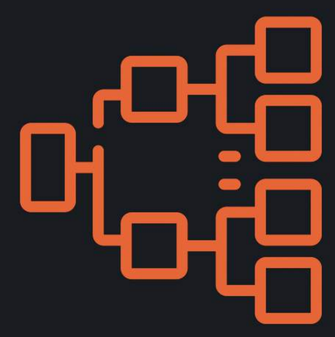
TYPES

APPLICATION

MOBILE
WEB
DESKTOP



INFRASTRUCTURE

INTERNAL
EXTERNAL

CLASSIFICATION

WHITE BOX

The attacker has detailed information about the scope and client assets.

BLACK BOX

The attacker does not have detailed information about the scope and client assets.

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CODE REVIEW

We have been performing code reviews for decades on projects of various sizes, architectures, and languages. We research the leading technologies and keep up with the latest and most relevant developments in the market. We support your company at all stages of development, adding a high level of security to your projects.

Our workflow is predominantly manual, focusing on understanding the technologies and the business. We also use tools and solutions developed internally or widely used in the market with proven efficiency. We rely on methodological rigor that reduces the chances of false positives, ensuring the client that their team will work with real and proven issues at the end of the project. In our reports, you will receive the findings clearly and objectively, with all the necessary materials for an accurate understanding of the issues and their reproducibility.

HOW IT WORKS

1. DEFINE SCOPE
2. DEFINE OBJECTIVES
3. PRELIMINARY UNDERSTANDING AND REVIEW
4. AUTOMATED REVIEW
5. IN-DEPTH REVIEW
6. REPORT FINDINGS

VULNERABILITY CLASSES

OUT-OF-BOUNDS WRITE
LOGIC FLAWS
WEAK CRYPTOGRAPHY
SIDE CHANNEL
USE-AFTER-FREE
BUFFER OVERFLOW
RACE CONDITION
HEAP OVERFLOW
DESERIALIZATION
PADDING ORACLE
CRYPTOGRAPHY
SQL INJECTION
UNINITIALIZED VARIABLES
CROSS-SITE REQUEST FORGERY
CROSS-SITE SCRIPTING
NONCE REUSE
INFORMATION LEAK
OUT-OF-BOUNDS READ
SESSION FIXATION

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SECURITY RESEARCH

Our team operates on both the offensive and defensive fronts to identify and remediate new vulnerabilities, attack vectors, and exploitation techniques, and to develop specialized protections and mitigations for our clients. We conduct research for the client in two ways: exclusive or shared. In exclusive research, the client decides all aspects of the project and owns all rights. In shared research, the client gains access to our research feed and receives our research along with other clients who subscribe to the feed.

We conduct daily security research on widely used operating systems, products, applications, and technologies, seeking to identify unpatched vulnerabilities, attack vectors, new exploitation techniques, bypasses, and implementations of protection mechanisms.

N-DAYS

Writing exploits for publicly known flaws.

0-DAYS

Discovery of unknown vulnerabilities.

FUZZING

Research and application of fuzzing methods.

MITIGATION

Development, testing, and bypassing of mitigations.

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PROGRAM

EXCLUSIVE

The client owns all rights of the research.

SHARED

Clients gain access to the results of the research conducted by our team.

RESEARCH IS THE KEY TO OUR BUSINESS

We apply our knowledge and experience to solve information security problems and ensure better offensive and defensive capabilities.

Our research is the way to elevate your business to the highest offensive and defensive security level.

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INFORMATION SECURITY CONSULTING

We use our decades of experience to solve information security problems for our clients in a personalized way. We work with both defensive and offensive security, offering services like: server hardening against all threats; incident analysis and response; reverse engineering to understand and evaluate products and solutions; malicious code analysis, and open-source intelligence. In addition to the development of security products and solutions.

SPECIALIZATIONS

INFRASTRUCTURE SECURITY

Hardening networks, services, and servers.

MALWARE ANALYSIS

Analysis of malicious code to understand their operation.

FORENSIC ANALYSIS AND INCIDENT RESPONSE

Fast and efficient responses to cyberattacks.

OPEN SOURCE-BASED INTELLIGENCE

Collection and analysis of public information tailored to the client's needs.

REVERSE ENGINEERING

Process of deconstructing an object to understand its operation and architecture.

DEVELOPMENT OF SECURITY PRODUCTS AND SOLUTIONS

Development of customized security products and solutions according to the client's needs.

Do you have a specific Information Security need that does not fit into the services listed?
Contact us. We'll be happy to help you.

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TRAINING

Through our trainings, professionals and students can learn the latest innovations in the Information Security industry. Our instructors stay up-to-date by conducting research daily, attending conferences worldwide, and participating in challenging and innovative projects. Our training courses are the right way to qualify your team to achieve the excellence required for modern demands.

- LINUX USERLAND EXPLOITATION
- LINUX KERNEL EXPLOITATION
- LINUX KERNEL AUDITING
- LINUX KERNEL DEVELOPMENT
- C PROGRAMMING
- ASSEMBLY PROGRAMMING

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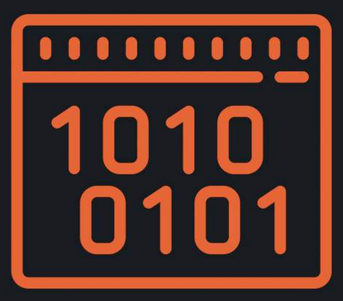
LABS



EXPLOITS

Research, proof of concepts, and exploits developed by us.

BLOG

News, events, products, research, articles, and more.

SECURITY ALERTS

Security alerts on the latest vulnerabilities.

PUBLICATIONS

Presentations at conferences.

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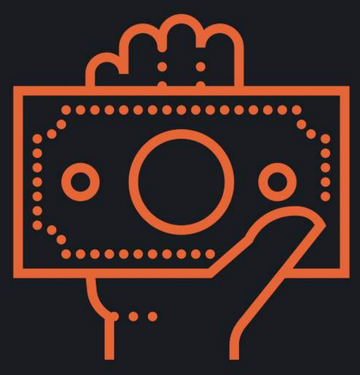
SECTORS

GOVERNMENT AND DEFENSE

INDUSTRY

HEALTHCARE

TRANSPORTATION AND LOGISTICS



FINANCIAL

EDUCATION

TELECOMMUNICATIONS

RETAIL

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WHY ALLELE SECURITY INTELLIGENCE?

A company based on principles such as technical quality, commitment to the customer, and excellence in services.

Professionals with extensive experience in Information Security and a foundational core in research and development.

Threat modeling and risk assessment based on real threats. The goal is improving the client's security posture, not just selling products and services.

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REQUEST A QUOTE

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