Digital.ai App Aware (formerly Arxan)

Apps are your most vulnerable attack vector

The need has never been greater to protect the billions of app endpoints that drive the economy through online banking, payments, eCommerce, medical devices, entertainment, and gaming.

Unfortunately, a significant majority of the millions of business apps available from public app stores and countless websites are insufficiently protected against reverse engineering threats.

Bad actors can exploit unprotected apps to gain an understanding of an app's code and how it communicates with back office systems. Once understood, bad actors can insert malicious code to steal personally identifiable information (PII), intellectual property (IP), and other sensitive data from the client side of the application. Or, they can steal encryption keys and API secrets to conduct follow-on attacks to gain access to critical infrastructure or databases.

Protection without verification is futile

Attackers vary from lone wolves to nation states — all with varying motives — but they share a few common traits: they are relentless, and they are constantly evolving their attack methods. Understanding what type of attacks are happening, in real-time, can mean the difference between suffering a large financial loss, and stopping an attack before it can be fully executed.

Root & jailbreak detection
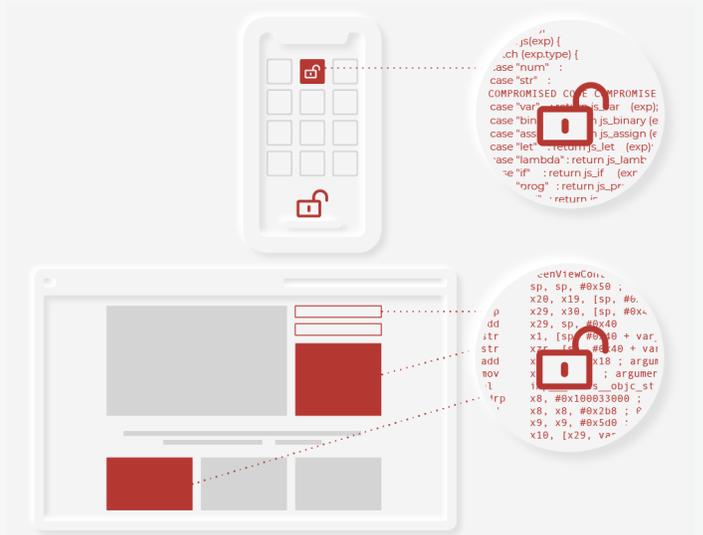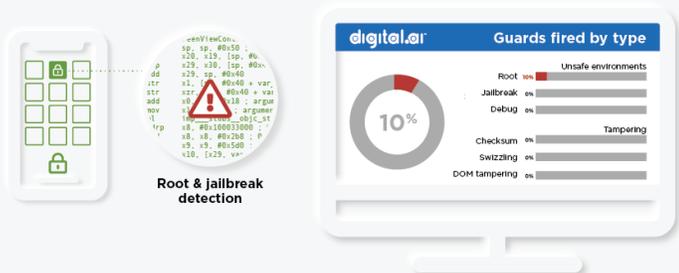
Early warning of an attack offers the business the ability to shut down attacker account access or quickly update code protections to address previously unknown attack vectors.

Coding best practices and traditional security software aren't enough to prevent reverse engineering attacks. When apps lack adequate protective capabilities, or the ability to communicate threat status, they're operating in an "open-loop" environment that bad actors can easily exploit. This leaves organizations in a position to respond to attacks after the damage has been done.

Two steps to understanding app threats

🔒 **Step one** — protect business-critical app code and underlying data they access and store against reverse engineering.

◎ **Step two** — monitor these apps in real-time to understand the threat environment they are operating in from the minute they are downloaded from an app store or are loaded in a browser.

Closing the loop with Digital.ai App Aware

Digital.ai App Aware extends the concept of app protection by including the ability to detect threats and notify the business of attacks in progress. App hardening with integrated threat detection delivers the most effective combination of protection capabilities that together are the key to preventing brand damage, financial loss, intellectual property theft, and government penalties.

For the first time businesses can have access to real-time attack information from the moment apps are published. This capability provides the data necessary to know if an app is under attack — while the attack is in progress — providing advanced warning allowing corrective action to be implemented before an attack is fully executed.
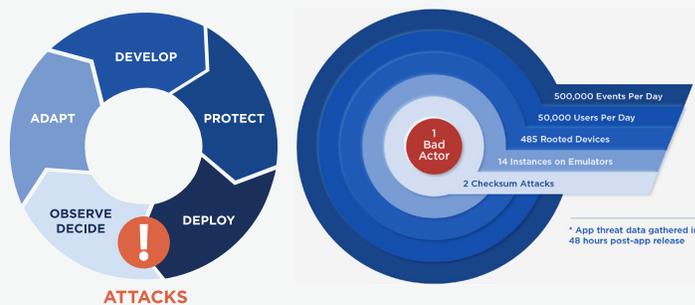
App Aware is the only app-level notification service that can provide the intelligence necessary to answer the following questions:

- ✓ Are my apps effectively protected?

- ✓ When should I update apps based on known threats?

- ✓ Can bad actors be identified and appropriate action taken to protect the business?

DEVELOP
ADAPT
PROTECT
OBSERVE DECIDE
DEPLOY
ATTACKS

1 Bad Actor
500,000 Events Per Day
50,000 Users Per Day
485 Rooted Devices
14 Instances on Emulators
2 Checksum Attacks

* App threat data gathered in 48 hours post-app release

Delivering critical threat intelligence

Timely and actionable information — real-time visibility into the types of threats facing apps "in the wild"

Confidence through verification — operational reporting from the moment apps are published to provide an understanding of the threat environment they are operating in starting with how many apps are running on compromised devices (jailbroken or rooted)

Secure reporting — protection data is secured end-to-end, accessible via a browser, and can be easily integrated with SIEM, BI, and fraud prevention platforms

Digital.ai App Aware supports

Digital.ai Application Protection for Android

Digital.ai Application Protection for iOS

Digital.ai Application Protection for Web

Digital.ai Application Protection for Hybrid

Stop app attacks before they are successful.

Protect   **Alert**   **Encrypt**