THE GUARDIAN

The Guardian

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SOFTLOCK
INFORMATION SECURITY SOLUTIONS

25 Years of INNOVATION

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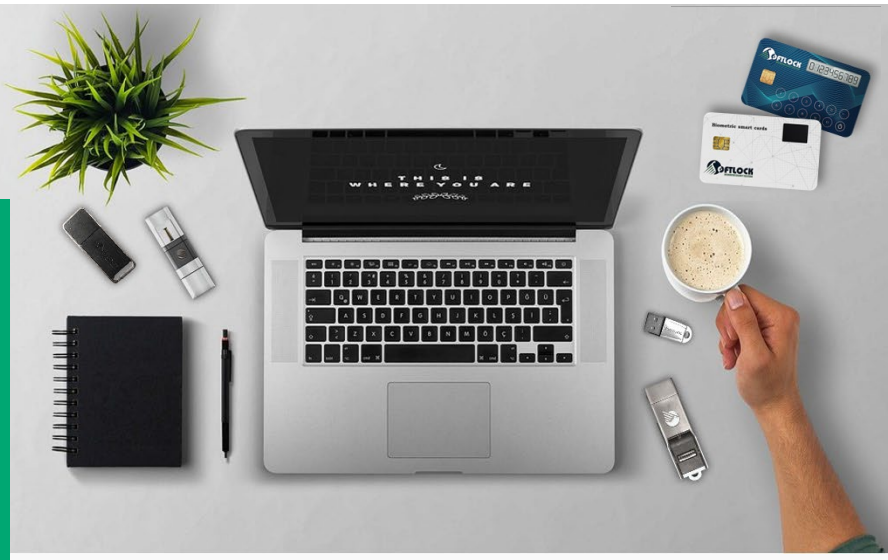

About SOFTLOCK

Softlock (S/L) is a regional leader in Information Security providing technology, state of the art solutions, consultation, integration and testing services to protect the information assets, identities and the supporting infrastructure against unauthorized use.

Softlock was established in 1995 by Dr. Magdy Sharawy. The company focused its efforts on R&D and the innovation of new information security solutions. Softlock provides unique products and solutions, which cover many security areas fulfilling customers' need in different market sectors.

We provide a set of products and solutions covering the following areas: Software protection, Mobile applications protection, data encryption, security hardware, digital signature, secure identification and authentication and secure online distribution of digital contents.

Softlock is uniquely identified in the global market by the integrated products and the research based development.

What are we offering?

- Smart card operating system
- Smart cards
- PKI Tokens
- Fido2 Tokens
- Secure flash drive
- OTP
- Protection Studio
- The Guardian (Mobile applications guard)
- Confiedo (confidential communication app)
- Technical Outsourcing and recruiting

Softlock at a glance

25	45	3	13	700+
Years Of Experience	Research papers	Patents	Intellectual property	Satisfied Customers

The Guardian

Protecting Mobile Apps that run within untrusted environments

Protecting mobile apps that run within untrusted environments is ever more crucial as mobile become ubiquitous. Hackers and their targeted malware are an increasing threat to the mobile revolution. With the explosive growth of the mobile channel and user demand for anytime/anywhere access to mobile services, app providers are challenged to keep up with security, which increases exposure to malicious attacks.

THE GUARDIAN

Why The Guardian ?

Defeats targeted attacks

The Guardian proactively protects your apps against zero-day and other targeted attacks, allowing mobile apps to run securely, even on highly infected devices. If a hacker attacks, The Guardian will respond by taking necessary measures to fully protect your apps.

Doesn't affect user experience

The Guardian protects multiple business apps and is not bound to one application with one business logic, it allows for effective scaling across multiple apps of the organization while maintaining an optimal user experience.

Quick to deploy

The Guardian provides an automated implementation process. Once integrated, The Guardian sifts through the business logic, event and data flows of the app, before binding itself to existing code. This allows organizations to quickly release protected apps, without affecting the development timeline!

Trusted by Tier 1 clients worldwide!

Softlock works across a range of industries with a variety of global Tier 1 clients, counting customers in industries such as finance, health, IOT, and the public sector. Softlock's patented deep protection technology The Guardian , protects apps and applications used by more than 100 Million users.

The Guardian protects your mobile apps against:

- Malware
- Debugger (Java Debugger, Native debugger)
- Emulator/fake execution environment
- Cloning of the device
- Rooting/Jailbreak
- Code-Injection (prevent Runtime Library Injection)
- Hooking-Frameworks
- Repackaging (Fake, Manipulated Apps)
- System- and User-Screenshots
- Keylogging : untrusted Keyboards
- Keylogging and Screen-Scraping : untrusted Screen-readers
- Native Code-Hooks
- External Screen sharing (content being displayed ‘outside’ the screen of the device – for example by screen sharing).
- Asset integrity checks: The Guardian can perform more in-depth integrity checks of files and assets inside the APK.
- The Guardian will verify the integrity of the matched files when starting the application.
- API: Foreground override detection (“Overlay- Detection”)

  This feature detects if another application is placed in front of the currently working application in order to perform a phishing attack. This is sometimes referred to as an overlay attack, which has been widely known to be done by certain types of Android malware.
- Whitebox-Crypto features, to prevent ‘important keys’ from being present (and possible stolen) in memory at any time.
- Stealing of sensitive data from the app (at rest or otherwise)
- Man-in-the-App Scenarios
- Man-in-the-Middle Scenarios (related to network communication)

Trusted By Customers Worldwide!

AllClear ID · OneSpan · DNB · MONETA MONEY BANK · SECURE METRIC TECHNOLOGY · Raiffeisen · STARMONEY · starfinanz · App47 · STC pay

100's
of millions of users

Why Application Guarding?

«Application Guarding is a **research-intensive** and constantly evolving technology discipline, with vendors that require ongoing research and development effort to maintain valid solutions.

Application Guarding capabilities expands along with the techniques used by attackers against applications.

Application Guarding should be intended as functionality that **goes beyond basic best practices for secure programming**.»

Gartner

Gartner 2018 Market Guide for Application Guarding

We Deliver Business Values

Increase revenue

- Develop effective and secure apps
- Speed up time to market
- High security - unchanged usability

Compliance ready

- Comply with regulations
- Gdpr, psd2
- Minimize the risk of compliance breaches

Expand your trust

- Protect the end-user
- Prepared for the increasing app-level threats
- Avoid brand damage and financial loss

Security by experts

- Developers are usually no app security experts
- Use specialists where needed

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