

Promon SHIELD™

Trusted by more than 50% of the leading banks in Europe

CISOs, app developers and compliance officers in the financial industry are facing a challenge when developing mobile services. They need to have both regulatory requirements, sufficient security and user experience as their top priority. Promon SHIELD™ is quick to deploy and can help you secure your finance apps and meet compliance, while still providing a seamless experience with no negative impact on end-users.



With a growing number of MobilBank users, we're increasingly exposed to new security threats. Promon SHIELD™ is keeping mobile banking safe and thus protecting our customers.

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Mitigate threats and accelerate regulatory compliance

Failing to meet regulatory requirements such as GDPR, PCI, PSD2 and OWASP can have damaging consequences. To become compliant, financial services need strong solutions to safeguard their apps. In 2019 Capital One suffered a serious data breach that exposed personal data of more than 100 million customers. Failing to meet an accepted level of security resulted in the company having to pay a \$80 million fine.

Promon SHIELD™ can help to accelerate meeting regulatory requirements. Our multi-layered security software prevents attackers from reverse engineering your app, safeguards sensitive app data, and protects your end-users from sophisticated malware.



Keep your app data and assets safe

Finance apps need sufficient solutions for protecting app assets, such as API keys, certificates or tokens. If these assets are located and extracted, the entire security of the app collapses. Therefore, strongly protecting them should be a top priority.

Promon SHIELD™ lets you store app data in a secure manner, both locally on the end-user device and in a published finance app. Our solution is unparalleled in terms of simplicity and user-friendliness, and a much better alternative to White-Box Crypto solutions.



Fight malware, protect user data and maintain trust

Malware targeting finance apps is an increasing problem. By exploiting vulnerabilities and misusing the operating system features, malware can gain an advantage and steal your users' personal data or even money. Insufficient protection against malware attacks can ultimately result in irreparable damage to your brand.

Promon SHIELD™ offers the market's most comprehensive control and protection of the app's process in-depth. Promon SHIELD™ protects against malware running on the device trying to inject into your app – as for example key-loggers, screen-reader and task-affinity malware, such as StrandHogg – and blocks it from stealing sensitive user data.



Prevent app tampering and protect your IP

An attacker can simply download an unprotected app from the official app stores, reverse engineer it to read the underlying code, identify APIs, read file names, access sensitive data and more. Even worse, an attacker can inject malicious code into your app, repackage and redistribute for mass collection of your users sensitive data.

Promon SHIELD™ protects your code and adds multiple layers of security controls to your app to make the fraudster's job much more time consuming and expensive.





Easy to deploy and maintain

Integrating Promon SHIELD™ ensures the complete integrity of the app and fully protects sensitive information from cybercriminals and malware – even on untrusted mobile devices.

It's fast, invisible to users, and quickly integrates into the app. It is the most advanced security developers can leverage for their mobile apps, and they don't need the in-house expertise to deploy and maintain it.

Even a non-technical professional, assuming they understand which security policies are important, could layer Promon SHIELD™ into the mobile app.

Selected Promon SHIELD™ capabilities

Intrusion method		
App impersonation / Repackaging	Detect repackaging and prevent clones of your finance app	Detect repackaging and prevent clones of your finance app
Reverse engineering to steal IP and app data	Prevent with obfuscation, app asset protection, and more	Prevent with obfuscation, app asset protection, and more
App code modification	Detect Java hooking framework and native code hooking	Prevent runtime library injection and execution
Malware stealing user-data	Prevent UI-spoofing/phishing, screen-readers, screenshots, and block keylogger methods	Prevent system screenshots, detect user screenshot, and prevent keyboard cache
Privilege Escalation	Detect root	Detect jailbreak
Emulator	Detect emulator	
Debugging	Prevent Java and native	Prevent debugger

Pioneers in app security

Promon is a Norwegian company with offices in APAC, the US, Germany, the UK, and India. Since 2006, we have been pioneers in app security and delivered world-leading security software to many of the largest banks around the globe. We work across a range of industries with a variety of global Tier 1 clients, counting customers in industries such as finance, health, public sector, and more. Promon's technology is research-based and originates from the internationally recognized research environments at SINTEF and the University of Oslo. Promon's patented deep protection technology Promon SHIELD™ is protecting apps used by hundreds of millions of users.