



Business Description

White Hawk Software is a Silicon Valley based software Security Company protecting mission critical software by tamper-proofing code and cryptographic keys against modifications AT RUNTIME and reverse engineering, no matter what malware is attacking. Our technology uniquely combines obfuscation, checksum, encryption, and anti-debugger techniques, an open architecture allowing for custom plug-ins, the ability to adjust security versus performance, and binary code protection, including linkable object files. Embedded software (IoT), license management algorithms, mobile applications, or simply software IP can benefit from our best in class protection.

Competitive Advantage

Our tamper proofing tool recognizes unexpected changes to the execution of the application instead of recognizing unknown malware. Automatic insertion of protection methodologies by computer is key. By combining thousands of such measures, we make attackers run out of steam before they can succeed modifying the protected software to their needs.

White Hawk's technology is the only technology tamper-proofing and pre-linking native object files. Protecting object files together with novel internal algorithms makes White Hawk's technology the only protection which allows seamless integration of protection and application. Our capability of protecting object files enables protection of libraries. Compared to protecting at the source code level, operating at the binary level allows the entire complexity of the computer to be used and the protection is not limited to what the programming language can express. It provides high end protection against state players and the most sophisticated attacks.

Opportunity

UNSOLICITED requests for our technology are a clear sign that application protection is on the rise and mission critical software companies are recognizing that code protection will be an integral part of cyber security. WHS protection provides the customer with a unique safety measure that ensures that no breach will happen. Our B2B product is license based. The cost will range from \$ 75,000 to over \$100,000 per license per year depending on the size of the program to be protected, customer features and technical support requirements. We create real value for the customer's business while making cyberspace safe. The total security market according to Gartner will grow from \$122B in 2016 to \$202B in 2021. Assuming just 1% is spent for Applications Security (this number will be much larger in reality), and 50% are spend in the US, and 50% of it in CA this would amount to \$300M in 2016 increasing to \$500M in 2021.

Competition

Our direct competition is Arxan, White Cryption, VI labs, Microsoft (Dotfuscator) and Red Balloon. One of our main advantages over the competition is our precise location technology allowing software engineers to combine detailed high level protection where strength, or performance requirements matter most, and to use simple protections for the rest. Per request, we also provide service and can 100% customize our tool to the customer's specifications.

Team

Founder Chris Jacobi holds a PhD (CS) from the Federal Institute of Technology, Zurich Switzerland, and has combined over 25 years experience as lead software engineer and in creating military strength protection tools for PowerPC code. Katrin Jakob, PHD, has more than 20 years experience in project and business management. Robert de Monts, advisor, brings over 25 years of senior-level executive experience at large companies and start-ups, with his most recent 15 years spent in Enterprise IT Security. He led Marvin Mobile Security and Aruvio (Cloud based GRC) to their acquisition respectively by Veracode and Virima Technologies. He holds a MS degree in Engineering from MIT.

Ask

Our Beta X86 is ready for proof of concept and we are presently porting to ARM. Our financial goal is to raise \$400,000 Angel funding to support 2 software engineers for finalizing X86 and enabling the product for the next architectures.

Founders

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