

Innovative Virtual Desktop Provider Secures its Brand, Intellectual Property and Revenue with Arxan

An innovative independent software vendor (ISV) product that encapsulates a desktop web browser inside a virtual environment. By running the browser inside this virtual environment, common browser-based threats such as malware are isolated from the host computer. The company's innovative technology contains the malware within the virtual environment and prevents it from accessing and causing damage to the host



Challenge: Initially, the company's end customers were in well controlled government markets. However, as the company was expanding and planning to release its application to the public, they faced two challenges.

The first challenge was to protect their application from piracy and tampering, and preserve their revenue, once deployed in the wild.

The second, more critical challenge, was to protect their product, and the intellectual property (IP) within it, against reverse engineering in order to prevent attackers from examining their product and potentially exploiting weak spots to attempt to bypass the virtual environment's security and allow malware to access the host machine.



Solution: The company sought an application hardening solution that comprehensively protected against tampering and reverse engineering on all the desktop platforms it supported. It also required a security solution that was lightweight in terms of impact on the development process and on final runtime performance. The company evaluated multiple vendors, and then selected Arxan Technologies as its application security partner and would use Arxan Application Protection to deploy a self-defending, tamper-proof application.

As a first step, Arxan's trained security engineers worked with the engineering team to determine risk areas and recommend protection strategies. Within a few days, Arxan Application Protection was integrated with the company's build and test environments. Next a protection that was specifically targeted for it's next product release, comprised of mitigating a specific risk profile which was then implemented and tested.

Arxan is protecting their brand and trustworthiness against new malware attacks as the company pursues broad commercial deployment.



Results: The product team immediately recognized the advantages of Arxan Application Protection's advanced yet flexible protection. They reported that throughout the set up and deployment, Arxan was fully accessible and advised them through every issue on a timely basis. Arxan's customer support and technical support team remains continuously accessible on an ongoing basis.



Benefits: Arxan Application Protection's active protection technology is preventing competitors from reusing or piracy of this unique technology, while preventing malware authors from exploiting flaws in their technology.

About Arxan Technologies

Arxan is the trusted global leader of Application Attack Prevention and Self-Protection products for Internet of Things (IoT), Mobile, Desktop, and other applications. We help protect our customers against financial loss, brand damage, fraud, IP theft, stolen credentials, fraudulent transactions, unauthorized access, non-compliance with regulatory and industry standards, and more. Our unique patented guarding technology **1. Defends** applications against attacks, **2. Detects** at run-time when an attack is being attempted, and **3. Deters** attacks to stop hackers, send alerts, or repair making customers' applications truly resilient. We are currently protecting applications running on more than 500 million devices across a range of industries, including: financial services, automotive (connected automobiles), healthcare (connected medical devices), digital media, gaming, high tech/independent software vendors (ISVs), and others. The company's headquarters and engineering operations are based in the United States with global offices in EMEA and APAC. **Learn more at www.arxan.com.**