Case Study

SyncDog Selected SafeLogic's FIPS 140-2 Cryptographic Solution to Meet Strict Federal Government Requirements

SafeLogic

SYNCDOG

The Background

SyncDog was established in 2013 to build secure infrastructure frameworks that protect enterprise networks from cyber breaches stemming from mobile computing sources. Enterprise mobility reached an inflection point at that time and adoption was rising in the private sector. Mobile Device Management (MDM) as a stand-alone solution was giving way to new, broader technology suites that provided IT departments with greater flexibility and granularity for the enablement of their mobile workers. SyncDog answered that need with SentinelSecure™, an application container with strong focus on security.

The Challenge

With headquarters in Reston, Virginia and the constant flow of news from inside the Beltway about the influx of mobile devices and security concerns, it was a foregone conclusion that SyncDog would win their share of federal contracts. The barriers to entry, however, included Federal Information Processing Standard (FIPS) 140-2, the minimum level of certification required for encryption within any solution deployed by a U.S. government agency. This posed a significant hurdle for SyncDog. CEO Jonas Gyllensvaan had assembled his company's core team with specialists and they were already stretched thin to keep up with customer demands. Mobility is a fast-moving space and there simply wasn't room for a cryptographer or a certification engineer on the team. Adding to the complications, their flagship containerization solution, SentinelSecure™, was built for both iOS and Android platforms, effectively doubling the amount of effort required for a FIPS 140-2 validation. Gyllensvaan resolved to find an alternative. He needed a way to keep his team focused on their core tasks and stay agile, but still complete the certification effort.

SyncDog Required FIPS 140-2

SyncDog's visibility in the federal market continued to grow, but even end-to-end AES 256 encryption would not satisfy federal procurement officers. The U.S. Government requires FIPS 140-2 validation and nothing else would suffice.

SafeLogic Delivered

SafeLogic's CryptoComply encryption modules are designed for simple and fast installation. The drop-in architecture allowed the SyncDog team to integrate validated crypto into both their iOS and Android builds quickly and get back to their core tasks.

The SafeLogic team handled the NIST validation process. This resulted in a full FIPS 140-2 Software Level 1 validation in less than 7 weeks of initiating the RapidCert process! With zero additional effort from SyncDog, SafeLogic handled all of the documentation, testing and coordination, and delivered FIPS certificate #2687.

The Solution

SYNCDOG

SyncDog looked at traditional certification consultants, but was discouraged by the cost, long timeline, and amount of heavy lifting that their engineering team would still have to complete. Instead, SyncDog chose SafeLogic's CryptoComply cryptographic libraries and the RapidCert FIPS 140-2 validation service for their flagship product. Technical support from SafeLogic made the integration into SentinelSecure™ easy and that is where SyncDog's responsibilities began and ended.

"It could not be easier to get FIPS 140-2 validated than the SafeLogic way," said Gyllensvaan. "Integrating CryptoComply was a breeze on both iOS and Android, and my team didn't have to lift a finger to support the certification effort. Consultants would have demanded too much bandwidth from my team, not to mention the huge timeline compression. We wouldn't have been done for months!"

SyncDog licensed SafeLogic's CryptoComply module, which contains the algorithms needed to encrypt all data and is designed for use across a variety of platforms and architectures. It also includes RapidCert, the unique process in which SafeLogic's team handles all the testing, coordination and paperwork to compress a typically 12-18 month timeline. In this case, the validation process took less than 7 weeks.

SyncDog's NIST certificate #2687 was posted on July 25, 2016, includes iOS and Android tested operating environments, and paves the way for federal procurement.

About SyncDog

SyncDog is the leading independent software vendor (ISV) for building secure infrastructure frameworks that protect enterprise networks from cyber breach from mobile computing sources. The SentinelSecure™ product line for application containerization and IoT (Internet of Things) module monitoring provide the industry's most proactive approach to securing enterprise mobility computing.

The SentinelSecure™ data security solution delivers defense-grade (FIPS 140-2, AES 256-bit) secure mobile device partitions or "containers" that can secure emails/contacts, calendar items, IM apps, Internet browsers, mobile file stores and other business apps provisioned on personal devices to be used in a BYOD or COPE (corporate owned personally enabled) setting.

"We're very pleased with how thorough and efficient SafeLogic was with NIST to help us achieve this FIPS 140-2 certification milestone for SyncDog. Our expectation was the standard 18-month timeframe to certify the module and Ray and his team were able to push it through in just seven weeks, truly remarkable."

Jonas Gyllensvaan
CEO and Founder of SyncDog

SafeLogic

About SafeLogic

SafeLogic's product line is focused on standards-based cryptographic engines designed for use in mobile, Cloud, server, wearable, IoT, workstation, and appliance environments. SafeLogic modules include RapidCert, the industry's only FIPS 140-2 validation service that provides a certificate in the customer's name, while drastically accelerating the timeline, requiring no additional engineering effort, zero interaction with testing labs, and at a fixed cost.

SafeLogic was established in 2012, is privately held, and is headquartered in Palo Alto, California.

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