

# QuintessenceLabs Technology Alliance Partner Program

QuintessenceLabs' Technology Alliance Program (TAP) supports data protection integrations with both emerging and strategic technology partners.

## Overview

QuintessenceLabs' Technology Alliance Partner Program enables partners to develop, market and deliver joint solutions, leveraging the capabilities of QuintessenceLabs' data protection products.

Technology partner products can be integrated with our Trusted Security Foundation® (TSF®) key and policy management solutions, qStream™ quantum random number generators (QRNG) appliance, the qRand™ entropy enhancer, and qClient™ 100 software development kit (SDK) platforms, to deliver a variety of flexible, differentiated solutions that solve customers' challenges quickly and seamlessly.

## QuintessenceLabs Solutions

- TSF®: Enables the centralized management of cryptographic objects with full lifecycle, usage and policy controls and advanced replication capabilities. Available in appliance or virtual machine versions. Option for integrated quantum random number generator and/or FIPS compliant HSM for the appliance version.
- qClient™: Allows developers to quickly and easily integrate powerful and secure cryptographic key management and random number management into any application. Supports KMIP and PKCS 11.
- qStream™: Delivers 100% entropy random at up to 1Gbit/sec using patented ground-breaking technology. qStream solves the random number problem by providing a high throughput supply of full-entropy, true random numbers. Available in appliance or PCIe form factors.
- qRand™: Solves the problem of "entropy starvation". Feeds quantum random numbers to the entropy pool of a computer, prevents issues when /dev/random blocks due to insufficient entropy, ensures applications always have sufficient entropy, even in virtual environments.

## About the TAP Program

QuintessenceLabs' data protection solutions deliver a powerful and interoperable foundation from which to address many of the most challenging security threats. Our Technology Alliance Partner Program can help you strengthen your data protection offerings, deliver enhanced capabilities for your customers, and expand your base of customers and prospects.

If you are a technology vendor who would like to join our alliance program, or an IT professional looking for the best data protection and who would like to know about our current integrations, contact [sales@quintessencelabs.com](mailto:sales@quintessencelabs.com), and we'll be in touch soon.

## Technology Alliance Partnership Examples

### PKWARE®

The Smartcrypt Enterprise Manager is the hub of PKWARE's Smartcrypt platform, allowing organizations to maintain control over sensitive data across the enterprise. PKWARE'S Smartcrypt Enterprise Manager and QuintessenceLabs' Trusted Security Foundation® (TSF®) key and policy manager together create an enhanced end-to-end data protection solution for key generation, management, and data-centric encryption.

### netdocuments®

For nearly two decades, NetDocuments has set the standard for world-class security, compliance, privacy, and availability for documents and emails, delivering the strongest protection for sensitive data when stored in the cloud. Customers can gain even higher security and control by deploying QuintessenceLabs' TSF key and policy manager hardware units on their premises, to complement and strengthen cloud storage.

### vmware®

VMware and QuintessenceLabs collaborate to help customers bridge secure virtual environments (on desktops, data centers, or the cloud) and the encryption keys to protect their data. With the integrated qClient 100 in VMware vSphere 6.5 and beyond, organizations can securely and more efficiently integrate the widest possible choice of cryptographic management solutions into their virtual applications.



Introspective Networks provides proactive solutions to protect data communications and IoT device control. Their SmokeVPN line of products protects communications, file transfers, secure connections, and entire networks for any commercial or government organization. Introspective partners with QuintessenceLabs to integrate our high-speed quantum random number generation and deliver practical, perfectly secure communications for flexible IP networks.



Garantir produces the fastest and most secure cryptographic digital signature platform product on the market. Seeing the need for true random, Garantir has integrated the qStream™ 200 quantum random number generator (QRNG) appliance with their GaraSign code signing application, providing an on-premises solution with full entropy random and a hardware root of trust.

### appviewX

The AppViewX platform manages and automates PKI lifecycles, offering extensive visibility into the certificate and key infrastructure. With QuintessenceLabs technology, AppViewX enables the strongest security for key and certificate infrastructure. The resultant enterprise key management and PKI system is KMIP conformant and combines powerful key management, quantum random number generation, and AppViewX automated lifecycle management system.



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