Quintessence Labs

NetDocuments Cloud Storage with Powerful On-site Control

A solution guide to show how NetDocuments and QuintessenceLabs work together to deliver an enhanced layer of security.

Ultimate Cloud Security

For nearly two decades, NetDocuments has set the standard for world-class security, compliance, privacy, and availability for documents and emails. NetDocuments' secure cloud storage infrastructure integrates QuintessenceLabs' Trusted Security Foundation® (qCrypt 350TSF) technology to deliver the strongest protection for sensitive data when stored in the cloud.

With the addition of the Private TSF hardware units on your premises, we can now offer on-site control to complement and strengthen your cloud storage.

How it works: Two sets of keys protect your documents, just like a bank safety deposit box where the bank holds one key and you hold the other. This not only delivers additional protection from malicious attacks, external or internal, but also gives you the highest level of control over the security, confidentiality, and access to documents.

Robust Control and Security

QuintessenceLabs' 350TSF appliances help secure NetDocuments cloud storage infrastructure in several ways. They incorporate a quantum-based, high speed, true random number generator, which delivers the highest quality encryption keys. By removing reliance on conventional software-based random numbers, the quantum random number generator delivers truly random and independent encryption keys for each user.

In addition, 350TSF appliances provide best in class key management functionalities, enabling the implementation of strong

encryption for each of your sensitive documents. They also integrate a FIPS 140-2 Level 3 compliant hardware security module (HSM) to ensure that your keys are securely stored.

You can now gain even higher security and control by deploying our Private 350TSF hardware on your premises or in your data center to further control the access within your NetDocuments' solution.

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Trusted Partners

NetDocuments and QuintessenceLabs have worked together to deliver an enhanced layer of security for customers looking for the highest level of control over their documents.

With this approach, the customer controls an additional layer of security: a wrapping key. This is used to protect the confidentiality and integrity of the NetDocuments document encryption keys, delivering the highest visibility, traceability, and security for all documents at all times.

How it works: This is done by deploying Private 350TSF units on your premises or colocation site, seamlessly integrating with the NetDocuments storage capability. You manage one set of encryption keys independently from your Private 350TSF units, while the second set of encryption

keys continues to be managed by the NetDocuments application. This gives you unprecedented control over your documents, protecting them from any unwanted access, while retaining the flexibility, excellence and security of NetDocuments' cloud storage solution.

Private TSF Capabilities

QuintessenceLabs' Trusted Security Foundation is the leading platform for the centralized management and security of encryption keys. The 350TSF combines the security of FIPS 140-2 Level 3 HSMs with advanced key and policy management and high speed true random number generation, delivering the strongest foundation for data security.

The Private 350TSF is a hardware appliance integrating:

- **qStream:** the world's fastest true random numbers generator at 1Gbit/s, delivering the highest quality keys to protect your data.
- **qCrypt:** a powerful, flexible and fully interoperable key and policy manager, enabling the centralized management of encryption keys and other cryptographic objects with full lifecycle, usage and policy controls and advanced replication capabilities for the highest availability.
- **Secure key store:** an embedded Hardware Security Module compliant with FIPS 140-2 Level 3 to ensure the secure storage of your encryption keys.

NetDocuments Secure Cloud Excellence

NetDocuments is the leader in cloud-based document and email management, with hundreds of thousands of users around the globe. Customers' digital assets are protected and encrypted in transit and at rest across private, redundant, federally regulated data centers and patented technology.

Managing over a billion sensitive documents, NetDocuments provides the highest level of protection to address all potential risks. All data is encrypted to the highest standards, with one or more levels of encryption delivered at a customer level.

NetDocuments' data centers around the world are protected using multiple redundant and replicating 350TSF appliances by QuintessenceLabs. These provide highly available key generation, storage, and management to enable the strongest encryption.

For more information on each of these products, please refer to the qStream and qCrypt product sheets. For more information on implementing an integrated Private 350TSF solution, please contact the QuintessenceLabs team at info@quintessencelabs.com.

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