

# HOW NCRYPTED CLOUD SECURES PHI ON MOBILE AND UNMANAGED DEVICES

## Background

Technology advancements and the accelerating migration to the cloud in the healthcare industry is dramatically changing the way medical information is stored, shared, and transported.

As BYOD, mobile computing, social collaboration, and consumerization trends continue to gain traction, more and more sensitive enterprise information travels and is stored outside the network perimeter. Information is increasingly being accessed using personal, mobile, and unmanaged devices.

This white paper outlines how nCrypted Cloud is the industry leading solution to protect PHI and PII and ensure compliance with HIPAA/HITECH regulatory requirements when using cloud-based file storage and sharing facilities, such as Dropbox, on mobile and unmanaged devices.

Specifically, this white paper details:

- How nCrypted Cloud secures PHI/PII for medical research purposes.
- How nCrypted Cloud ensures HIPAA/HITECH compliance.
- Why nCrypted Cloud is superior to all of the other competitive products.

## Executive Summary

nCrypted Cloud allows for secure BYOD, mobility, and consumerization practices, giving medical researches the ability to securely share sensitive medical data and easily collaborate with fellow researches and medical professionals on multiple platforms.

nCrypted Cloud provides all the privacy and security safeguards to meet, and in many instances exceed, HIPAA/HITECH requirements.

nCrypted Cloud offers the most comprehensive and effective solution in the marketplace. nCrypted Cloud is the only solution that persistently encrypts ePHI (electronic personal health information) at rest on mobile devices and traditional personal computers.

nCrypted Cloud delivers superior security controls to ensure minimum necessary access is maintained at desired levels.

## Cloud Storage Sharing & Collaboration

Mobile computing, social collaboration, and consumerization trends are dramatically changing personal and business computing practices. These trends are changing how we store information, how we secure data, and how we collaborate.

Because of its ability to improve collaboration between medical researchers, healthcare organizations, health care providers, patients, carriers, and business associates, cloud-based file storage and sharing is an innovative technology that can be used to deliver more efficient health care services, improve health care outcomes, and reduce healthcare administrative costs.

In a BYOD and consumer-centric world, information must have the ability to be stored anywhere and accessed from any device.

Because medical organizations are increasingly storing and sharing sensitive information using cloud provider services such as Dropbox, that information is more often than not travelling beyond the network perimeter. This poses a huge threat to cloud security, PHI, and PII.

## Data-Centric Cloud Security

A data-centric security infrastructure is required to enable BYOD and customer-centric mobile computing services without compromising the enterprise privacy and security posture.

Traditionally, enterprises and organizations secure networks, systems, and devices. In a BYOD and consumer-centric mobile computing world, enterprises must secure the physical data wherever it goes.

Data should be persistently secured regardless of where the data is transmitted, stored, and what device is used to access it.

## Why nCrypted Cloud Is The Solution

nCrypted Cloud gives health care entities or business associates the administrative capabilities to securely manage cloud-based file storage and sharing activities.

This includes means to recover data for business continuity or forensic purposes, prevent data loss, and back up and recover files or documents.

nCrypted Cloud's ground breaking, unique technology and set of features include:

- Persistent encryption at all times and in all places.
  - While other competitive products only encrypt files and documents in transit and on their servers, nCrypted Cloud encrypts all files and documents on mobile devices (i.e. smart phones, tablets) as well as traditional computers (i.e. laptops, PCs).
- Feature rich privacy controls at the document or file level.
  - nCrypted Cloud delivers the most features to control the privacy of the documents or files including: read once only, access expiration date, print, view, edit privileges, and many more privacy control features.
- Extensive event logging and auditing capabilities.
  - nCrypted Cloud captures and records all individual activity to every document, file, or folder. It also provides a facility for the enterprise and workforce members to monitor activity, detect inappropriate use, and provide a book of record for forensic purposes.

Finally, nCrypted Cloud provides a high availability (HA), secured, and hardened computer-processing infrastructure to ensure business continuity and data processing recovery in case of a disaster.

## HIPAA Compliance

nCrypted Cloud security safeguards effectively and efficiently addresses all of the components of HIPAA/HITECH to ensure or exceed compliance.

nCrypted Cloud's consumer and data-centric design ensures ePHI privacy requirements are met, since only explicitly authorized individuals can access ePHI whether it is stored in the cloud, on a mobile device, or on a traditional personal computer.

nCrypted Cloud provides fine-grained privacy access controls such as read, print, or edit privileges, termination date triggers, and water marking at both the folder and document level. These security controls ensure access to ePHI can be maintained at the desired minimum necessary levels.

nCrypted Cloud provides all the indispensable audit trails, documenting who accesses ePHI, what they exactly did, when they did it, and where they did it. This provides all the necessary event data to provide an accounting of access activity to ePHI if demanded by an individual.

## Conclusion

nCrypted Cloud delivers a ground breaking cloud file storage and collaboration security solution that meets, and in many instances exceeds, HIPAA Privacy and Security requirements.

nCrypted-Cloud's consumer-centric design, data-centric security architecture, enterprise strength encryption, and auditing features make it the undisputed leader in the marketplace.