



"We found that CipherCloud's platform provided the essential components of encryption, access control and integration with enterprise DLP for our Box implementation. We considered a custom integration using products from multiple vendors but with CipherCloud's single solution approach, we have a secure file sharing platform for all our employees, and the assurance that patient data privacy and compliance is supported as required under HIPAA regulations."

—Senior Director,
IT Security

NORTH AMERICAN RESEARCH HOSPITAL AND OUTPATIENT PROVIDER CASE STUDY

CipherCloud Trust Platform—Cloud Security Broker

Quick Facts

- Industry: Healthcare Provider, Medical Research
- 20,000+ staff including Researchers, Doctors, Nurses and Clinical professionals
- More than 500,000 patients

Challenges

- Standardize on Box for file sharing while ensuring strict adherence to HIPAA regulations
- Ensure Protected Healthcare Information (PHI) and patient records are identified, controlled and encrypted with specific policies
- Avoid separate file sharing systems that rely on employee identification of documents containing PHI

The Results

- Manage and protect multiple types of content on a single enterprise deployment of Box
- Persistent encryption of files from the cloud down to the end-point device
- Built-in protocol integration with enterprise DLP in one solution
- Encrypt PHI while preserving collaborative workflows for authorized medical staff

Top Benefits

- Increase flexibility and productivity for doctors, nurses and other staff
- Meet HIPAA privacy laws to protect electronic patient records
- Save on costs with native integration versus need for extensive customization

Medical Facility Implements File Sharing Encryption Solution on Box Meeting HIPAA Requirements for PHI

CipherCloud service provides encryption, sharing controls, DLP and monitoring for multiple collaboration clouds

Challenges

This prominent medical research and healthcare provider has more than 20,000 staff serving over 500,000 patients across a wide region of the US for many decades. Experienced in offering specialized care, this facility promotes wellness and preventive care, as well as provides treatment for many serious health challenges.

The medical facility needed a file sharing system for its staff to be able to organize and share files and other content. As a HIPAA regulated institution that takes patient privacy seriously ensuring PHI data was identified and secured was critical. The facility already invested in an on-premises enterprise DLP, and required a solution that would

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leverage the existing policies that had been defined for scanning content within the corporate network. Translating existing policies to extend to the cloud would add a substantial burden to IT staff and add costs to the overall project.

Another challenge was bringing together all the components of the organizations preferred solution. The IT team found that the various products that supported their chosen cloud provider addressed some but, not all of the challenges they faced to secure PHI data within the cloud and on users mobile devices, establish access controls and avoid costly rewriting of existing DLP policies or custom work to integrate the cloud security solution with their enterprise DLP tool. The IT team had already done substantial investigations into integrating several point solutions when they brought in CipherCloud for an evaluation.

Highlighted Goals and Business Objectives:

- Increase workflow flexibility and productivity for doctors, nurses and clinical staff
- Meet HIPAA privacy laws and protect patient records
- Lower deployment and operational costs with comprehensive Box capabilities versus the need for costly custom integrations of several products

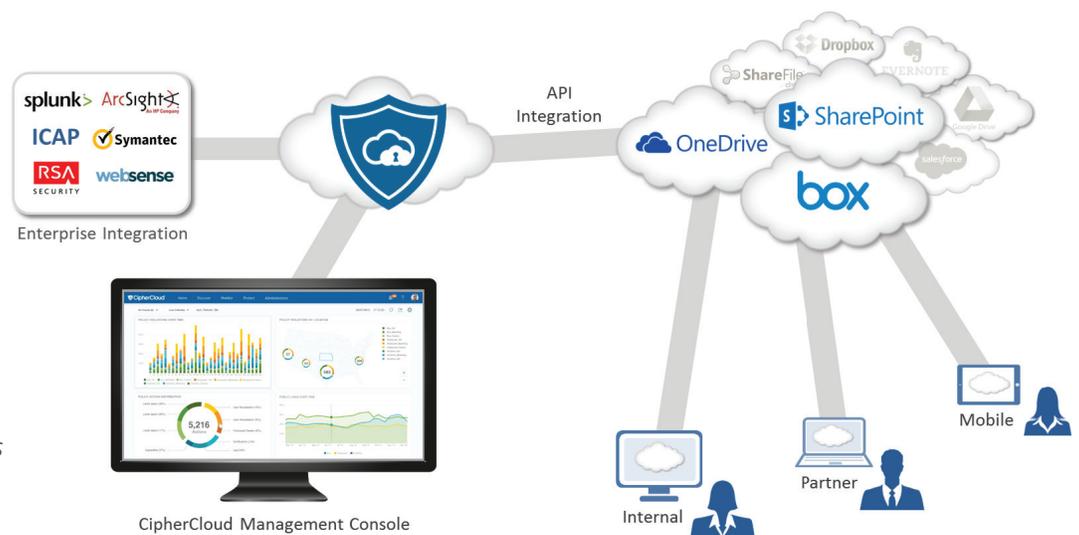
Requirements

The checklist this medical provider had to meet was long, including stringent requirements of HIPAA compliance, enterprise DLP support and the ability to monitoring, scan and respond to user behaviors with multiple remediation actions. As they sought to implement a secure platform to serve their many users, they needed their cloud security solution to deliver:

- HIPAA policies for classifying and protecting files containing PHI
- Built-in enterprise DLP integration to enable reuse of existing policies
- User, device and content monitoring and anomaly detection
- Ensure PHI is inaccessible when a mobile device is lost or a user leaves the company
- Flexible remediation actions to policy violations
- On-premises encryption key ownership and management
- Support single deployment of Box across all users for all content, sensitive or not

Solution

To meet the demanding requirements above, the medical organization selected the CipherCloud for its multi-fold capabilities.



CipherCloud's Cloud Security Broker delivers advanced collaboration controls and policy-based protections across multiple Box instances and file sharing clouds

Cloud Security Broker

CipherCloud's Cloud Security Broker (CSB) is a dedicated cloud security service that works with other cloud applications via APIs. Within the organization the Cloud Security Broker integrates with enterprise DLP for consistent policies, enforces collaboration controls and selective encryption of files—a full-service capability no other vendors cloud demonstrate to the IT team during vendor tests.

CSB continuously monitors content, performing deep scans of multiple types of documents. As files on Box are scanned, policies from the enterprise DLP tool use the existing policy-defined 'fingerprint' to identify and classify PHI in content

and CipherCloud collaboration controls determine if the content is being shared or accessed appropriately.

If a PHI file is discovered in an unauthorized use, CSB can apply any number of restrictions per policy, including encryption, sharing restrictions (who can share files, and who with), document quarantine, deletion and more. CSB file-level encryption extends all the way to mobile end-points to include employees accessing and sharing files remotely. No matter where the Box content is accessed from, this medical group does not have to rely on error prone user actions to keep sensitive data protected.

Moreover, the medical provider ensures complete security and control by maintaining sole ownership of the encryption keys. This provides full control of user access, including off-boarding employees and rendering sensitive files indecipherable when a device is lost or stolen. When employees leave the organization, their devices—even if personally owned—no longer have access to keys to decrypt content.

The advantages that resulted in the procurement of CipherCloud were summarized by the IT staff:

- Ability to manage and protect multiple classes of content on one single enterprise deployment of Box
- The only vendor to demonstrate policy-based encryption, file sharing controls and integration with enterprise DLP in one solution for complete data protection (no heavy customizations required)
- Ability to persistently encrypt PHI content on laptops and mobile devices (personal and IT-issued) enabling remote access for medical staff while safeguarding patient privacy and maintaining HIPAA compliance

Summary

This medical facility now has confidence in delivering to users a secure and compliant cloud file sharing deployment. CipherCloud's solution provides the robust collaboration controls and data protection capabilities the IT team was seeking. Down the road, the plan is to add other cloud services such as DropBox and Google Drive, both of which can easily deploy under the protection umbrella now in place for Box.



CipherCloud, the leader in cloud security and visibility, enables companies to adopt the cloud while ensuring data protection, compliance and control. CipherCloud delivers a comprehensive multi-cloud security platform that integrates advanced FIPS 140-2 validated data protection, content control, monitoring, cloud discovery and risk analysis. The largest financial services, insurance, healthcare, telecommunication, and gaming companies across more than 25 countries have put their trust in CipherCloud.

CipherCloud, named as SC Magazine's Best Product of the Year, has received investments from premier venture capital firms Andreessen Horowitz, Transamerica Ventures, Delta Partners and T-Venture, the venture capital arm of Deutsche Telekom.

