

## Case study

# Datasec fortifies scanned documents with Cryptix app



## HP Workpath enables new encryption solution for securing scans in the cloud

### Industry

Technology Services

### Objective

Datasec developed Cryptix, a document encryption application, to safeguard scanned documents for cloud storage and printing

### Approach

Datasec leveraged HP Workpath to enable the swift development of Cryptix encryption app for use on HP MFPs

### IT matters

- HP Workpath enables the swift development and deployment of Cryptix encryption app for HP MFPs
- Unencrypted scanning is not stored on the MFP or transferred across the internet
- Cryptix complements existing print authentication solutions such as pull printing

### Business matters

- Subscription service available through participating HP channel partners
- Affordable cost model - \$1 per printer per day – viable for all business sizes
- Auditable and compliant with a wide range of global regulations, including GDPR, HIPAA and the Australian Privacy Act



**“HP provided access to technical resources to help us build the solution and ensure it is HP Verification and Validation approved, which means it can be downloaded in an instant from the HP Command Center.”**

– Paul Waite, director, Datasec



### Datasec uses HP Workpath for cloud encryption solution

As MFPs become more connected, they become more vulnerable to attack from hackers. Datasec created the Cryptix app to protect each document and to scan as a separate encrypted file which is linked to company-wide security controls and access policies. In doing so, organizations are not only able to protect their documents in the cloud, but also to extend their control policies outside the firewall.



## Challenge

### Boosting security with encryption app

Datasec Solutions is an IT security company based in Melbourne, Australia, which develops, implements and supports cyber security and information management end-point solutions with a view to solving critical security and compliance issues when organizations transmit private or business sensitive information.

While many security solutions target traditional end-point devices, such as laptops, PCs and smartphones, Datasec is fully aware that today's multifunction printers are themselves end-points and therefore represent a significant vulnerability. While the capability to scan-to-email/cloud/network is undoubtedly a huge benefit, Datasec argues that insufficient attention has been paid to how this data is transmitted and secured.

Every printer has input and output communication ports, and operates using software applications, network drivers, and communication protocols. That means all printers have the potential of being hacked. As modern printing and imaging solutions have become more versatile and sophisticated to keep up with the needs of users, hackers are working overtime to dig deeply into innovations to find vulnerabilities.

"Printers now act like mini-servers and, as such, any data flowing to and from them can be intercepted without adequate security. Furthermore, every print job and scan can remain on the printer's hard drive where it can also be at risk," explains Paul Waite, director, Datasec. "If your credentials are stolen, which is a common issue, your data, whether in the cloud or the printer, can be hacked."

## Solution

### A novel approach to printer security

To improve the security of scanned documents, Datasec created the Cryptix app to protect each document and to scan as a separate encrypted file which is linked to company-wide security controls and access policies. In doing so, organizations are not only able to protect their documents in the cloud, but also to extend their control policies outside the firewall. During transmission Cryptix establishes a secure connection to the server, each network packet is encrypted, and the encrypted document is sent to the server. This means that the document is double encrypted, making the document nearly impossible to decode.

## Customer at a glance

### Applications

Datasec Cryptix

### Software

• HP Workpath

“We take the scanned document, encrypt it and store it in a secure server environment – our dedicated OVH server farms worldwide in Australia, Canada and France,” continues Waite. “We release it when needed and never hold any information about scan jobs once complete.”

Datasec wanted to natively integrate its software with MFP devices, which is where HP Workpath came into play. HP Workpath combines workflow productivity and application development within a suite of software services that enabled Datasec to easily create an app that would work with any HP MFP. It instantly opens the Cryptix app up to HP Partners. The application can be sold as a standalone encryption solution or packaged up as part of a larger offering to customers.

“HP Workpath has provided a platform for development that has opened up Cryptix to a significant new user base globally. Together, we have extended the value of HP MFPs with an affordable security solution for scanned documents.”

– Paul Waite, director, Datasec

“HP provided access to technical resources to help us build the solution and ensure it is HP Verification and Validation approved, which means it can be downloaded in an instant from the HP Command Center,” adds Waite. “We can then offer it either directly or via HP Channel Partners to customers at a cost of one dollar per printer per day.”

## Benefits

### Seamless, secure document workflow

The Cryptix app gives companies of all sizes peace of mind that sensitive scanned documents are more secure in cloud storage and printing. Automated encryption ensures that the process is seamless and doesn't disrupt the user experience while it also complements existing print authentication solutions such as pull printing.

“Our app helps organizations of all types encrypt their data and streamline the scanning process,” comments Waite. “Hospitals, for example, which have strict rules considering patient information, can scan directly to Electronic Medical Records and be confident of their security.”

Cryptix is also fully compliant with a wide range of global regulations including GDPR, HIPAA and the Australian Privacy Act, as well as being fully auditable. That means companies can track any scan and ensure maximum data governance.

“HP Workpath has provided a platform for development that has opened up Cryptix to a significant new user base globally,” concludes Waite. “Together, we have extended the value of HP MFPs with an affordable security solution for scanned documents.”

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