OpenText RightFax Encryption Module

Extra Protection Keeps Images Secure

Information security remains one of the most significant concerns for organizations worldwide. Internal breaches and external threats plague all businesses, but those that exchange protected, confidential and private information are particularly at risk. The extra layer of protection provided by the RightFax Encryption Module adds even more security to a RightFax fax server implementation.

What is the RightFax Encryption Module?

The RightFax Encryption Module adds an additional layer of protection for fax images by encrypting all fax images at rest while they are stored in the RightFax Image Directory. This module adds an additional layer of security by preventing any unauthorized viewing of fax images in the RightFax Image Directory structure.

How does the RightFax Encryption Module work?

When an image file is created for a fax, either inbound or outbound, it is encrypted and placed in the RightFax Image Directory folder. The Encryption Module encrypts all data at rest with a predefined encryption key with Triple DES 192-bit security. This encryption key, which is predefined and cannot be changed, relies on the SUID of the RightFax server and acts as an additional layer of security to protect sensitive content and information.

The fax images are encrypted when in the RightFax Image Directory–they are not encrypted before and are decrypted after leaving the directory for final transmission. Since access to the encrypted images is only allowed from the RightFax client through the RightFax API, a full audit trail is provided if the owner of the fax, or anyone with delegate access, views the decrypted copy of the fax image via the fax client.

The RightFax Encryption Module is easy to license in a deployment designed for ease of business continuity: After the first node is licensed, each additional node is licensed at no charge. Since all nodes share the same Image Directory, all fax images, regardless of node, are protected.
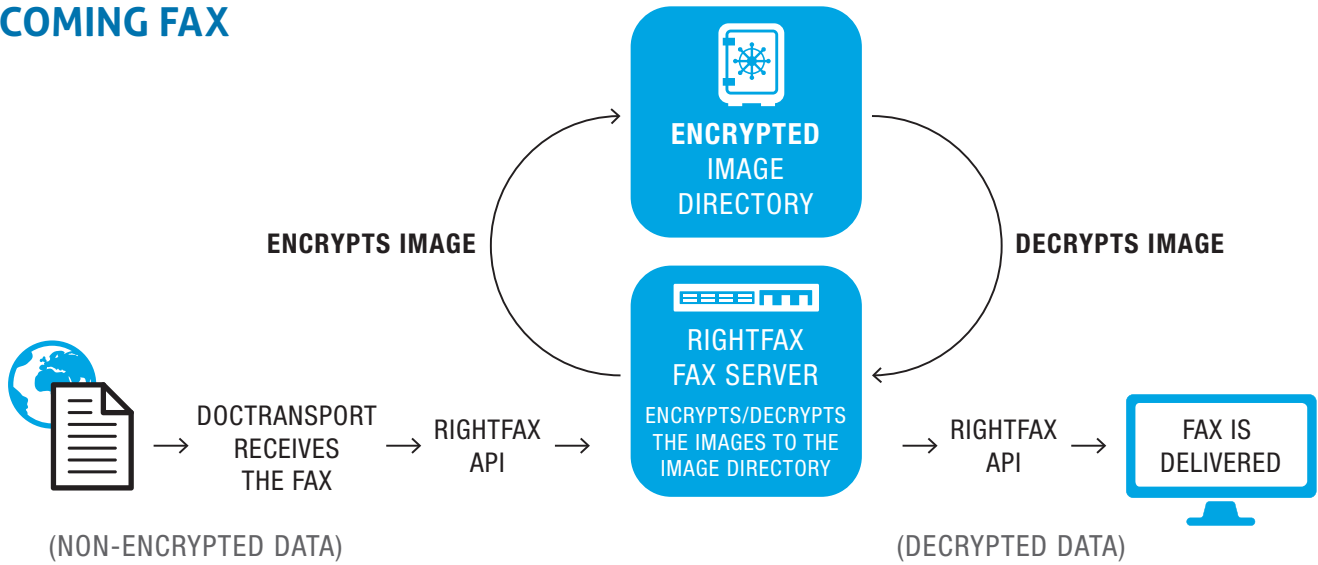
The RightFax Encryption Module is designed so that, if necessary, even the RightFax Administrator does not have access to the encrypted images.

WHEN WOULD YOU USE OPENTEXT RIGHTFAX ENCRYPTION MODULE?

The RightFax Encryption Module is perfect for anyone seeking additional protection of fax images and fax content, such as:
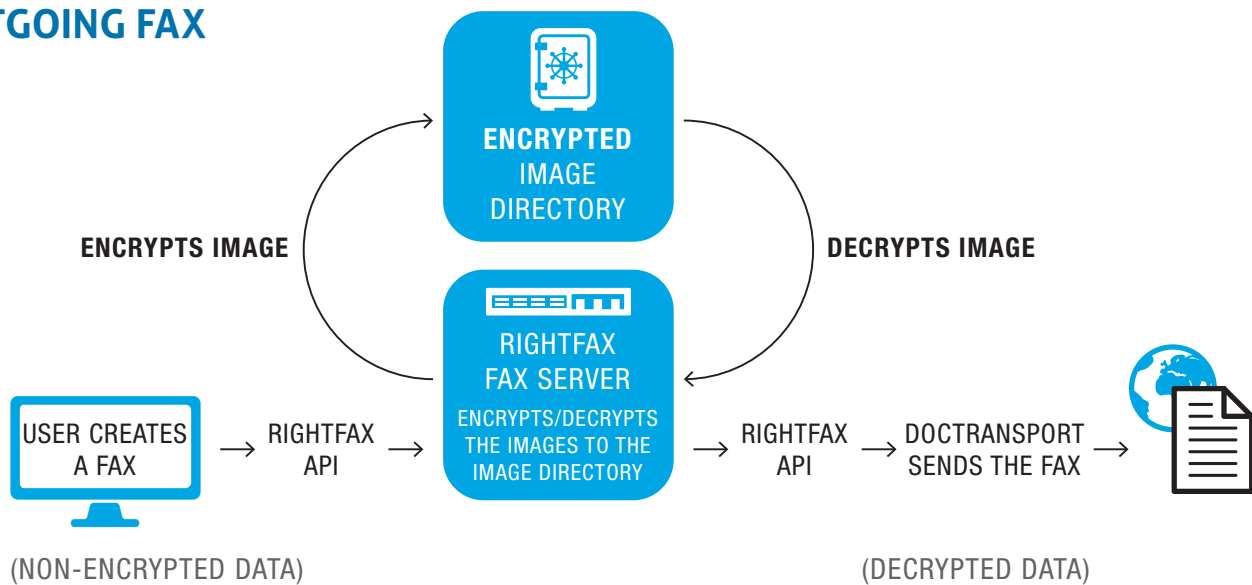
- Exchanging protected or sensitive information such as personal health information, payment or account information, financial data, and social security numbers
- Operating in an industry governed by regulations to protect the exchange of confidential information
- Guarding against any possible internal or external data breaches

INCOMING FAX

ENCRYPTED IMAGE DIRECTORY

ENCRYPTS IMAGE

DECRYPTS IMAGE

RIGHTFAX FAX SERVER ENCRYPTS/DECRYPTS THE IMAGES TO THE IMAGE DIRECTORY

DOCTRANSPORT RECEIVES THE FAX → RIGHTFAX API →

→ RIGHTFAX API → FAX IS DELIVERED

(NON-ENCRYPTED DATA)

(DECRYPTED DATA)

For an incoming fax, RightFax DocTransport receives the image and communicates via the RightFax API. RightFax writes the encrypted fax image to the Image Directory. The user receives notification that a new fax has arrived. When a user accesses the image of the incoming fax, the RightFax API communicates with the RightFax fax server, which decrypts the image so that the user can see the image.

OUTGOING FAX

ENCRYPTED IMAGE DIRECTORY

ENCRYPTS IMAGE

DECRYPTS IMAGE

RIGHTFAX FAX SERVER ENCRYPTS/DECRYPTS THE IMAGES TO THE IMAGE DIRECTORY

USER CREATES A FAX → RIGHTFAX API →

→ RIGHTFAX API → DOCTRANSPORT SENDS THE FAX →

(NON-ENCRYPTED DATA)

(DECRYPTED DATA)

Outgoing fax transmissions are handled similarly –the image is only encrypted while it is in the RightFax Image Directory folder. When a user sends a fax using RightFax, the image is converted to a .tif and moved to the RightFax Image Directory until it is decrypted and delivered to its final destination.

ADVANTAGE
TECHNOLOGIES

Advantage Technologies
228 East 45th Street
4th Floor South
New York, NY 10017
866-730-1700
info@ATechnologies.com
www.atechnologies.com

About Advantage Technologies

Advantage Technologies has been providing on-premise and cloud-based enterprise fax and automated electronic document delivery solutions for close to 20 years. Our team has completed thousands of successful system deployments worldwide in such industries as finance, insurance, banking, government, manufacturing, transportation, and healthcare

Our North American helpdesk and sales team are certified on OpenText RightFax, Alchemy, RightFax Connect, Secure Mail, Secure MFT, Brooktrout fax boards and FoIP software, Dialogic Media Gateways, Fax Gateways, and cloud-based fax solutions.

Advantage Technologies is a leading OpenText Platinum Partner and Authorized Support Partner (ASP). Throughout our partnership with OpenText, Advantage has been recognized as RightFax Partner of the Year, IX Partner of the Year, and an IX Partner Leader.