Extra protection keeps images secure

OpenText™ RightFax™ Encryption Module

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.

In today's fast-paced environment, there is a reliance on the existing systems to provide not only secure storage capacity for the hundreds of assets that are exchanged between employees, but also to provide an environment where everyone can easily access a single version of the truth and understand the context of what needs to happen next or how a decision was reached. Demand is more prevalent than ever for a solution that the IT department can easily implement and cost-effectively manage. It also needs to be uncomplicated for business users and meet compliance standards for records and Information Governance managers.

What is the RightFax Encryption Module?

The RightFax Encryption Module adds a 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 a layer of security by preventing any unauthorized viewing of fax images in the RightFax Image Directory structure.

The RighFax Encryption Module also encrypts images stored in SQL when used with the RightFax Image High Availability module.

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*

How does the RightFax Encryption Module work?

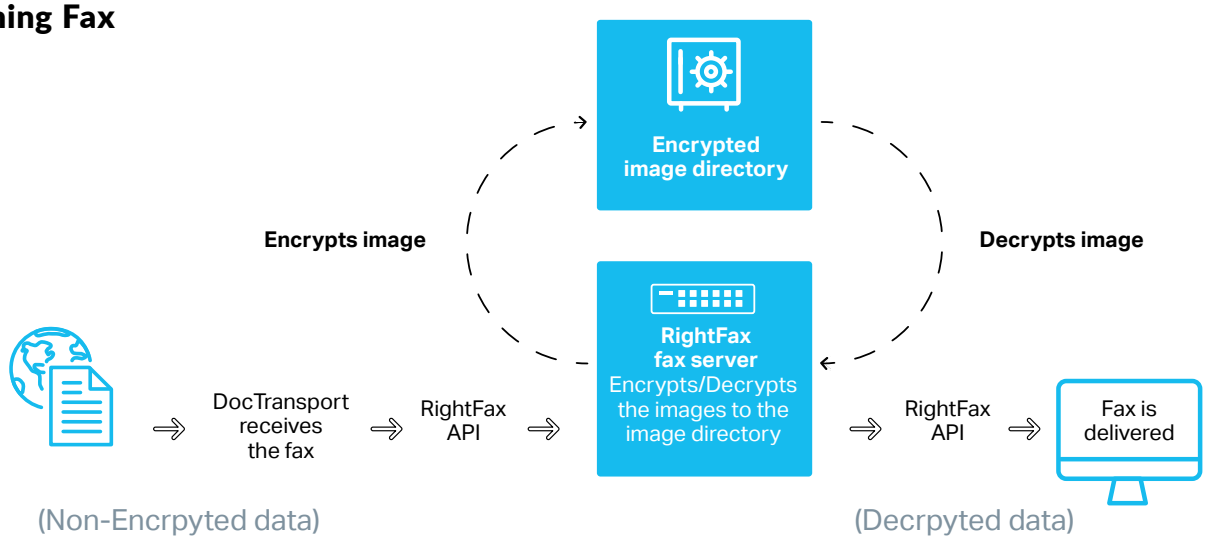
When an image file is created for a fax, either inbound or outbound, it is encrypted and placed in the RightFax Image Directory folder. The RightFax Encryption Module encrypts all data at rest with a predefined encryption key with AES 256-bit security. This encryption key, which is predefined and cannot 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.

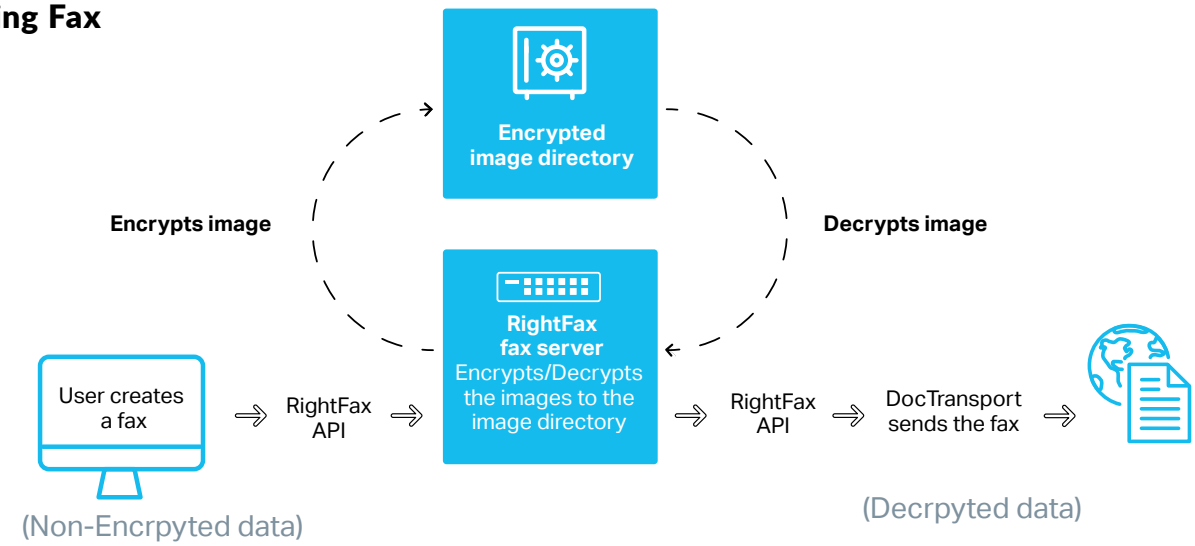
The RightFax Encryption Module is designed so that, if necessary, even the RightFax Administrator does not have access to the encrypted images.

Incoming Fax



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



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

855-RIGHTFAX (855-744-4832)