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RightFax Solutions for Healthcare Information Systems

Seamless digital fax solutions for any Healthcare Information System

Choose with confidence

If your application can print, then it can be fax-enabled by RightFax. This has been a true statement since the very inception of the RightFax fax server platform over 25 years ago. Since then, however, organizations demand more robust tool sets and interfaces to securely fax-enable their healthcare applications. That is why whether on Windows 32/64 bit operating systems, Unix/Linux, IBM, host, legacy or mainframe platforms, RightFax can securely and reliably integrate today. Backed up a by a world-class professional services team, a developer's network, and a worldwide network of value-added integrators, RightFax can help drive healthcare organizations towards a more complaint, secure and integrated EMR/EHR environment.

RightFax Printer Driver ("Print-to-Fax")

One of the many client applications available, the RightFax Fax printer (also known as Fax Control) allows users to send faxes directly from any healthcare application that can print. The fax printer is a virtual printer – not a physical printer – and uses a printer driver to capture the fax and send it to the fax server where it is converted to a fax and subsequently sent. With the RightFax Fax Printer, users can:

- Send a fax document from their desktop by right-clicking it and choosing "send to"
- Send a fax document by selecting File Print in the same way they print documents today
- Send faxes from the RightFax tray icon
- Conduct quick fax and broadcast fax from the RightFax tray icon
- Configure ODBC phonebooks and billing tables from the RightFax tray icon
- Configure LDAP phonebooks from the RightFax tray icon
- Integrate billing codes from an external ODBC source for use in all outbound faxes

XML Generator

The RightFax XML Generator is an add-on module for the RightFax Server that outputs sent or received fax image files accompanied by XML metadata containing information about the fax. These XML files can be imported into any XML-compatible system or EHR and EMR systems.

The RightFax XML Generator is installed on the RightFax Server, and uses the RightFax External Document Connector (EDC). Once the RightFax XML Generator is activated, a preconfigured XML "dataflow" is presented as a collection of unique "flow points" which conduct actions on a fax document as it is processed. Flow points include converting images, generating XML, and/or copying files to network locations.

Developers also have advanced settings which allow them to make changes to the default XML template, set folder destinations or to configure flow points. Flow points can be configured to change the fax image format, naming schemes or to apply special filters to the data.

RightFax Integration Tools for Healthcare

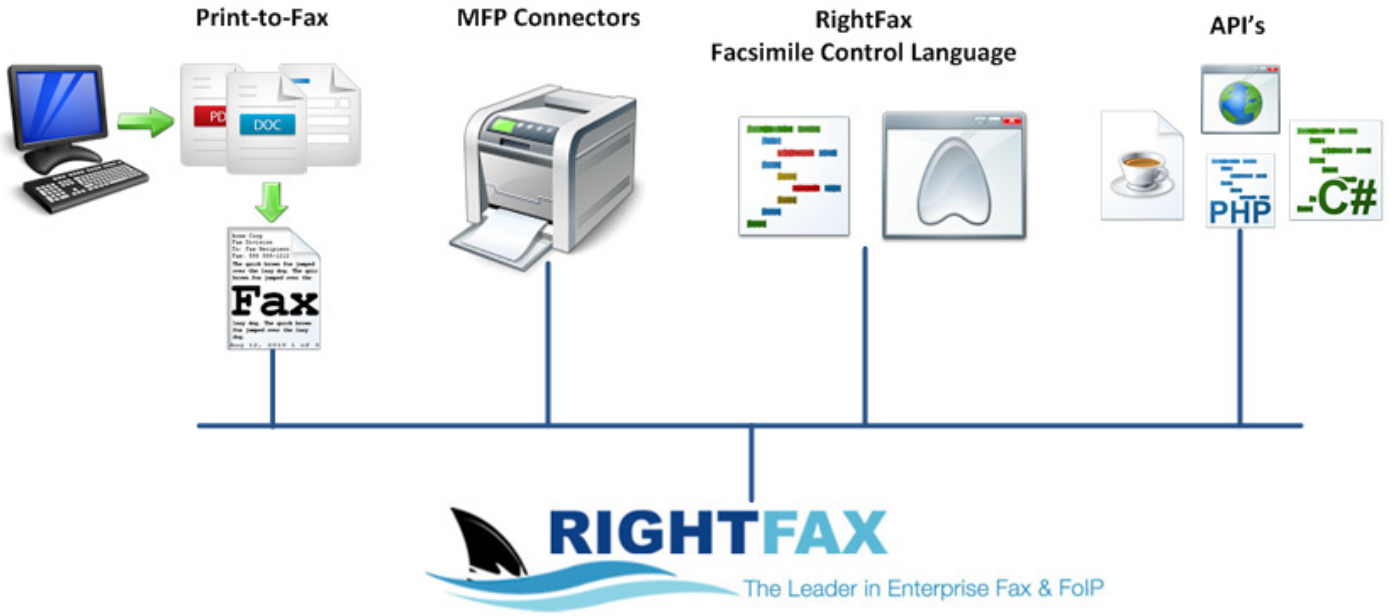
A summary of the toolkits and modules available for creating a secure integration between healthcare systems and RightFax are as follows:

- RightFax Printer Driver ("print-to-fax")
- The RightFax XML Generator
- The RightFax Integration Module
- Multi-Function Product (MFP) Integrations
- Application Programming Interfaces (APIs)

RightFax HIS Integrations

- Mc Kesson
- Allscripts
- Nuance
- GE Healthcare
- Sage Healthcare
- Med Plus
- Epic
- Cerner
- NextGen
- Lawson
- MediTech
- Healthland

RightFax



Multi-Function Printer (MFP) Integrations

XML Connector: With the RightFax XML Connector for MFPs you can scan documents on XML-capable Multifunction Printer (MFP) devices and deliver them with your RightFax server. The XML Connector for MFPs provides a one-way connection from the MFP to the RightFax server. The MFP generates an XML job file and image files, and then delivers them to RightFax for processing. RightFax sends the documents via fax or email, and then returns a notification to the originating device or to an email address.

SMTP MFP Connector: With the RightFax SMTP Connector for MFPs you can scan documents on SMTP-capable Multifunction Printer (MFP) devices and deliver them with your RightFax server. The SMTP Connector for MFPs provides a one-way connection from the MFP to the RightFax server that adds fax send capability to the MFP. Users scan their documents and enter a special email destination address that encodes fax sender and recipient information. The fax server faxes the documents and then prints a notification message on the originating device.

Vendor-specific MFP Connectors: RightFax offers a variety of specific MFP Connectors for popular manufacturers such as Xerox, Hewlett-Packard, Ricoh and many others. These specific connectors utilize a bi-directional architecture and bring many RightFax features to the device's main panel including user information, secure and encrypted sending, billing codes, and many others. For specific connector information please contact your reseller or your Open Text representative.

Integration Module

The RightFax Integration Module enables information exchange by integrating with applications on mainframe, mid-range, and local area network host systems. Together, RightFax and the Integration Module will send any document created by these applications via fax, e-mail, or over the Internet.

The Integration Module automates batch-oriented, repetitive processes. It is designed to support applications that produce output that traditionally is sent to a printer, printed on pre-printed forms, folded, stuffed in envelopes, and then mailed or manually faxed. These documents can include invoices, itineraries, purchase orders, statements, order confirmations, loan applications, bills of lading, change orders, financial reports, and material safety data sheets to name a few.

Facsimile Command Language (FCL): FCL is a programming language that was specifically designed to fax-enable business applications. FCL commands control the delivery of information, post-delivery instructions, and document formatting. FCL commands are usually embedded into the data stream of the host to specify such information as format settings, which form to use, the fax or e-mail address of the recipient, how many times to retry, notification method, alternate fax numbers, and other parameters.

FCL Filter: The Integration Module processes documents from the host application by interpreting facsimile command language (FCL) and performing functions based on the commands. The Integration Module can do this in one of two ways: native mode or filter mode. With native mode, you include FCL commands in the document data that is sent from the host application. This may require custom programming to add FCL to documents or to templates in the host application or to insert FCL in the data stream. With filter mode, you create "filter templates" that add FCL to the document data after it is sent to the Integration Module for processing. A filter template is a map of the document data that contains the FCL that is required to create and send the document.

XML Interface: The RightFax XML Interface converts XML to FCL. This tool lets you submit an outbound fax, query the RightFax server for the status of the fax, and perform various actions (forward, delete, create a new library document) on previously sent faxes. These various actions can be accomplished via three transport methods: HTTP/HTTPS, file transport, and IBM

Healtcare Benefits

Fax servers offer significant potential to deliver value today and support the transition to the fully electronic hospital:

- Improved compliance
- Reduced paper generation
- More efficient sharing of information between departments and care facilities
- Automated request and bill management

MQSeries. The functions available will depend upon the transport method chosen.

The RightFax Java API: This allows you to generate XML and send it to the RightFax server without having knowledge of XML or the RightFax XML interface schemas. The RightFax Java API lets you submit an outbound fax, query the RightFax server for the status of the fax, and perform various actions (forward, delete, create a new library document) on previously sent faxes. The Java is converted to XML on the client machine and then sent via HTTP to the RightFax Integration Module. The Integration Module then converts the XML to FCL and delivers the document.

Application Programming Interfaces (APIs)

The RightFax Developer Network provides application developers with two Application Programming Interfaces (API's), the Common Object Model (COM) API, and the Win32 C++ API. By subscribing to the RightFax Developer Network, application developers will have access to a robust set of tools and support options including online access to API libraries, documentation, and code samples.

Component Object Model (COM) Module: For customizing RightFax to meet specialized faxing needs; developers can deploy, integrate and implement systems more quickly. Additionally, the COM Module provides built-in security features, NT Authentication, and allows companies to leverage the full breadth of Microsoft products. Objects in the RightFax COM API are organized hierarchically. At the top of this hierarchy is the FaxServer object, which contains all the other objects in the object model. The RightFax COM API library contains:

- Objects: Discrete entities within the RightFax system that can be accessed and manipulated
- Collections: Multiple objects of the same type are grouped together
- Properties: Descriptive aspects of objects
- Methods: Actions that can be performed on an object

The RightFax COM API library is compatible with any programming language that supports the COM/ActiveX standards, and includes documentation with samples and tutorials.

RightFax Win32 C++ API: The RightFax Win32 C++ API allows application developers to write application using the native RightFax API. While more complicated to use than the COM API, the RightFax Win32 C++ API provides more detailed application support than the COM API. The RightFax Win32 C++ API supports Visual Basic and C/C++.

RightFax Web Services: A RightFax Web Service is available through the OpenText Professional Services group, allowing application developers to develop their applications using a simpler, more accessible interface than the COM or Win32 C++ API's. In addition, the RightFax Web Service provides access via HTTP, bypassing many firewall issues that prevent the use of other API solutions. Any developer language that can consume Web services can use the RightFax Web Service, including C++, Java, .NET, PHP, and Perl.

Learn more

To learn more about how RightFax can help your healthcare organization, visit OpenText online at

http://faxsolutions.opentext.com/healthcare.aspx