



The e-Messaging Server provides central connection and routing facilities for communities of network scanners. The server adds value and functionality to network scanners by providing direct connection to databases, document archives, OCR services, e-mail and fax servers. There is no limit to the number of scanners that can be supported by one e-Messaging Server.

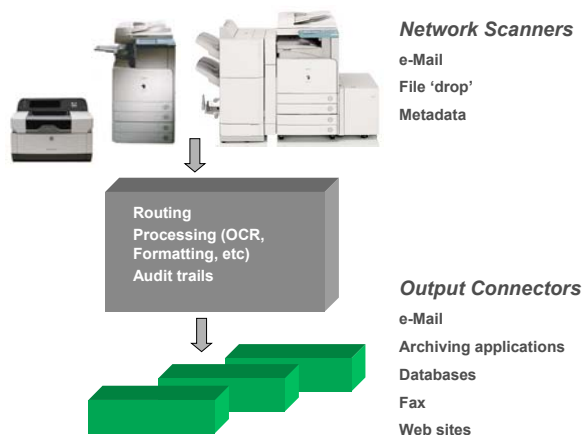
The e-Messaging Server supports:

- network scanners that 'drop' the scanned images to network folders,
- network scanners that 'drop' metadata files and images to folders, or
- network scanners that are e-mail enabled.

The e-Messaging Server uses a rules engine to route documents and metadata to various output connectors, for example: e-mail, databases, archiving products, business applications, fax gateways, etc.

During this routing, processes such as document conversion and document recognition can be carried out.

### Network Scanner Server



### Routing methods

The rules engine can route according to:

- the folder into which an image is dropped
- the content of a metadata file created at the scanner keyboard or touch screen
- the content of the document as recognised by OCR,
- ICR or barcode recognition
- the identity of the scanner used
- the identity of the user scanning the document
- the content of the e-mail subject or message body entered at the scanner
- the recipient e-mail address
- etc.

### Metadata

Metadata (information about the document) can be created by the user at the time of scanning the document. This can be in the form of a separate metadata file created via the scanner keyboard or touch screen, or it can be as part of the e-mail subject or message body if a scanner is 'e-mail enabled'.

The e-Messaging Server can pass this metadata on with the document. It can also use it for document routing or filing purposes, or can use it to populate the tables of a SQL Server database to which the document image is then linked. In this way, document archiving can be an automatic process, from scanning the document right through to filing in the database.

Metadata and images can also be passed on to in-house business applications.

### Processes

Various processes can be carried out on the document as it passes through the e-Messaging Server.

Processes such as:

- format conversion,
- OCR conversion to editable or content searchable format,
- OCR, ICR (hand writing recognition) and barcode recognition in order to create additional metadata, or to trigger routing rules.

### Output connectors

Output connectors deliver the document after scanning and routing. Output connectors provide functions such as:

- filing to a network server
- writing to a SQL Server database
- filing to industry archiving systems such as Microsoft SharePoint or Domino Document Manager
- connecting to any e-mail system
- connecting to any e-mail connected fax server
- passing documents and metadata to another business application
- publishing documents on a web site

### Logs and Audit trails

The e-Messaging Server maintains central logs and audit trails of documents processed by all network scanners.

### Summary

An e-Messaging Server gives considerable added value to communities of network scanners, whilst providing centralised administrative and operational control. For larger communities, e-Messaging Servers can be clustered for resilience, and can include self-monitoring and alert functions.

**e-Messaging Solutions Ltd.**, Tring House,  
77 - 81 High Street, Tring, Hertfordshire  
HP23 4AB T 01442 825159 F 01442 828550  
www.e-messaging.co.uk  
sales@e-messaging.co.uk

The e-Messaging Server  
uses the power of the  
ABBYY FineReader OCR  
engine

