

TriTek's Output eXpress automates background printing and enables multiple file types to be consolidated into a single print stream.

Business Challenge

When exporting documentation from a centralized object store, many businesses rely on manual processes for printing and sorting. If there are numerous documents or file types to print, the process becomes time consuming and error prone, as the employee must retrieve and print each document individually. Sorting further complicates matters if documents aren't printed in the correct order. Also, oftentimes there is no simple way of exporting these files to various devices and some devices may not support the file types an employee wishes to export or print.

What is Output eXpress?

Output eXpress is a utility that allows for the streamlined export of electronic documents from IBM FileNet content repositories to automate background printing and combine varying file types into a single print stream. Regardless of file type or format, Output eXpress sorts documents into a user-specified order and sends the documents as one export request to the appropriate device. Printers, faxes, email and PDF are all supported as export devices. Users can print to any device networked to the server, and are therefore not limited by devices connected directly to workstations. The utility is accessed through a web service, connecting client applications to all relevant devices.

Output eXpress Functionality

There are five main server-side components that provide the basic functionality within Output eXpress:

- **Message Processor:** Requests are received from client applications through a web service, and appropriate responses are sent. These may include new print jobs, print status reports, content of print queues, and lists of available devices.
- **Content Collector:** Content is retrieved from the IBM FileNet content repository and prepared for printing after a print task is assigned.
- **Rendering Component:** Content is rendered based on the file type and format and assigned to a device that can process the file.
- **Print Collector Device:** Documents are printed to a collector device prior to export, enabling the proper sorting of documents in a print queue. All content is then translated into the appropriate format for the designated device, whether a printer, fax, email or PDF.
- **Queue Processor:** Activities between components are coordinated to ensure proper communication. This will typically include moving requests from the message processor through all steps to the print collector device.

Additional Features

In addition to the basic functionality, Output eXpress provides system administrators with a detailed print and error log for performance monitoring. Authorized users can delete, alter or delay print tasks through an administrative interface. Security measures are implemented to ensure users have adequate access to documentation before allowing the export of those documents. Output eXpress allows users to designate a future time for printing, for tasks that require after-hours bulk export of documents.

More Information

Additional information regarding Output eXpress or any of TriTek's award winning solutions can be found on www.tritekso.com.