



# PRO WorkFlow Server

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## Overview

**PRO WorkFlow Server** is a queue manager that automates process execution while concurrently routing the output data files to directories, printers and web sites.

Data or print files are submitted to **PRO WorkFlow Server** and then are known as jobs. Jobs are selected from Input Queues, automatically processing according to the instructions for that Queue and then routed to another queue or Output Destination. Output Destinations can be printers, disk files or FTP servers.

Support is provided for multiple input print file formats, target formats, printers and environments where there are different execution parameters for different applications as well as other special integration requirements.

**PRO WorkFlow Server** is a cross-platform multi-threading system, which can process any number of processes concurrently. This makes it scalable from small to larger environments.

**PRO WorkFlow Server** is designed to work with any of the **PRO suite** of products. These software products can convert print files from one format to another, extract data from print files, split files into subdocument files, index print files and convert files into PDFs. **PRO WorkFlow Server** can also support other tasks, scripts and programs, which may manipulate or convert the input files. These are called Transform Processes or just Processes.

## How It Works

Files are placed into Input Queues by copying them to a directory, which is available to **PRO WorkFlow Server**. When **PRO WorkFlow Server** finds a file in a watched directory, it is added to the Input Queue. When a Transform Process becomes available, the specified conversion module is called. When the transform has successfully completed, the output is routed to the appropriate printer, folder or FTP server. If an error occurs during a transform, then the input file and the log files associated with it are placed in an error directory for further analysis.

## Provides Intuitive Graphical User Interface

**PRO WorkFlow Server** contains a Graphical User Interface (GUI), which allows a user to easily see the status of jobs in the system.

## Routes Legacy Applications through One System

Each Input Queue can have its own job options that will apply to all files processed from that directory. There can be an unlimited number of watched directories, which will allow you to route all your legacy applications through one system for transformation.

## Splits Statements and Routes to Website, Database or Archive

Using **PRO WorkFlow Server** in combination with PRO Meta Normalization and Indexing Facility and PRO Meta to PDF, metacode from a mainframe can be split into thousands of statements and the output transformed into individual PDF files and automatically routed to a website, database or archive.

## Runs on Multiple Platforms

**PRO WorkFlow Server** runs on multiple platforms including Windows, AIX, Solaris and Linux. This ensures that you have a choice of platforms and can use the **PRO WorkFlow Server** where and when you need it.

## Superlative Support Offered

Crawford Technologies believes in providing superlative support for all our products. We offer telephone hotline support for problem reporting and product inquiries as well as FAX and e-mail support. Our online Knowledgebase provides access to our incident reports and change logs 24 by 7. Our extensive front line experience and in-depth product knowledge allow us to respond quickly with solutions.

For organizations that need support around the clock, our Premium Support Plan provides full 24 X 7 support.

## Features & Benefits

### Automates Conversion and Saves Money

**PRO WorkFlow Server** automates the conversion of print output, while at the same time maintaining flexibility, fidelity and performance at a fraction of the cost of similar systems.

### Saves Significant Time with Automated Directory Watch Capability

**PRO WorkFlow Server** provides an automated directory watch capability that manages the conversion of documents. Input is selected from watched directories; automatically converted to other formats such as PostScript, AFP, Xerox Metacode and LCDS, PCL or PDF and routed to the appropriate directory, printer or FTP server. This saves you significant time.

### Provides Flexibility by Supporting Multiple Printers and Environments

Support is provided for multiple printers and environments where there are different START commands for different applications. This gives you the utmost in flexibility.

### Saves Money by Routing Legacy Applications through One System

With **PRO WorkFlow Server**, there can be an unlimited number of watched directories, which will allow you to route all your legacy applications through one system for transformation. This can save you money because you need not buy multiple systems for each data type.

## Thanks to Passthrough Queues Can Act as the Sole Print Server

**PRO WorkFlow Server** has a Passthrough capability so that it can be used as a print server to manage all your print output.

## Routes Output to either Directory, Printer or FTP Server

When **PRO WorkFlow Server** finds a file for transformation and routing in a watched directory, the specified conversion module is called and the output is routed to the appropriate file, printer or FTP server. This gives you the utmost in flexibility.

## Splits Statements and Automatically Routes to Website, Database or Archive

Using **PRO WorkFlow Server** in combination with PRO Meta Normalization and Indexing Facility and PRO Meta to PDF, Xerox metacode from a mainframe can be easily split into thousands of statements. The output can then be transformed into individual PDF files and automatically routed to a website, database or archive. This is an easy way to split files and transform them to PDF for web presentation.

## Provides AFP Support

With the PRO AFP products installed, **PRO WorkFlow Server** can manage conversion and splitting of AFP files.

## Delivers Seamless Integration with Xerox DocuPrint or DocuSP Controllers

**PRO WorkFlow Server** can reside on Unix or Windows-based printer controllers such as the Xerox DocuPrint or DocuSP Controllers. Files can be sent from a host system to **PRO WorkFlow Server** running on the controller where they are automatically converted to PostScript or PCL and then automatically routed to any number of printers.

## Provides a Lights Out Operation

**PRO WorkFlow Server** provides lights out operation with its automated directory watch capability that manages the conversion and routing of documents. This saves you time because your documents are automatically transformed and sent to the appropriate output without your intervention.

## Offers an Intuitive Graphical User Interface

With **PRO WorkFlow Server**, an operator can easily monitor the conversion and printing task. The user can hold and release jobs and queues and move jobs from one queue to another.

## Can be Fitted into Your System Architecture Easily and Reliably

**PRO WorkFlow Server** runs on many platforms, including Unix, AIX, Linux, HP-UX, Solaris, z/OS and Windows. The ability to manage transforms on platforms of your choice, without expensive and time consuming file transfers and process changes, saves you money and reduces time to market, easily and reliably.

# Product Specifications

## Output Formats

**PRO WorkFlow Server** allows applications to be converted from and to any supported format, including Xerox metacode, PostScript, AFP, PCL, ASCII, XML, PDF or HTML, for output to a printer, a folder or an FTP server.

## Transform Control Options

**PRO WorkFlow Server** has been designed to be a very powerful tool. It has an extensive set of control options, which can be used to adapt this application to many different environments and uses.

## Retain Queues

Queues can be configured with a retention directory. The input files will then be placed in the retain directory in case they are needed later.

## Retain File Management

Retain Queues can have a retention period and size set so that the files are kept for a specified period. The CTARCMAN Management program can be configured to automatically manage these files.

## Supported Transforms

**PRO WorkFlow Server** is designed to work with any of the PRO suite of products. These software products can convert print files from one format to another, extract data from print files, split files into subdocument files, index print files and convert files into PDFs. **PRO WorkFlow Server** can also support other tasks, scripts and programs, which may manipulate or convert the input files. These are called Transform Processes or just Processes.

**PRO WorkFlow Server** supports all transforms shown in the illustration below.

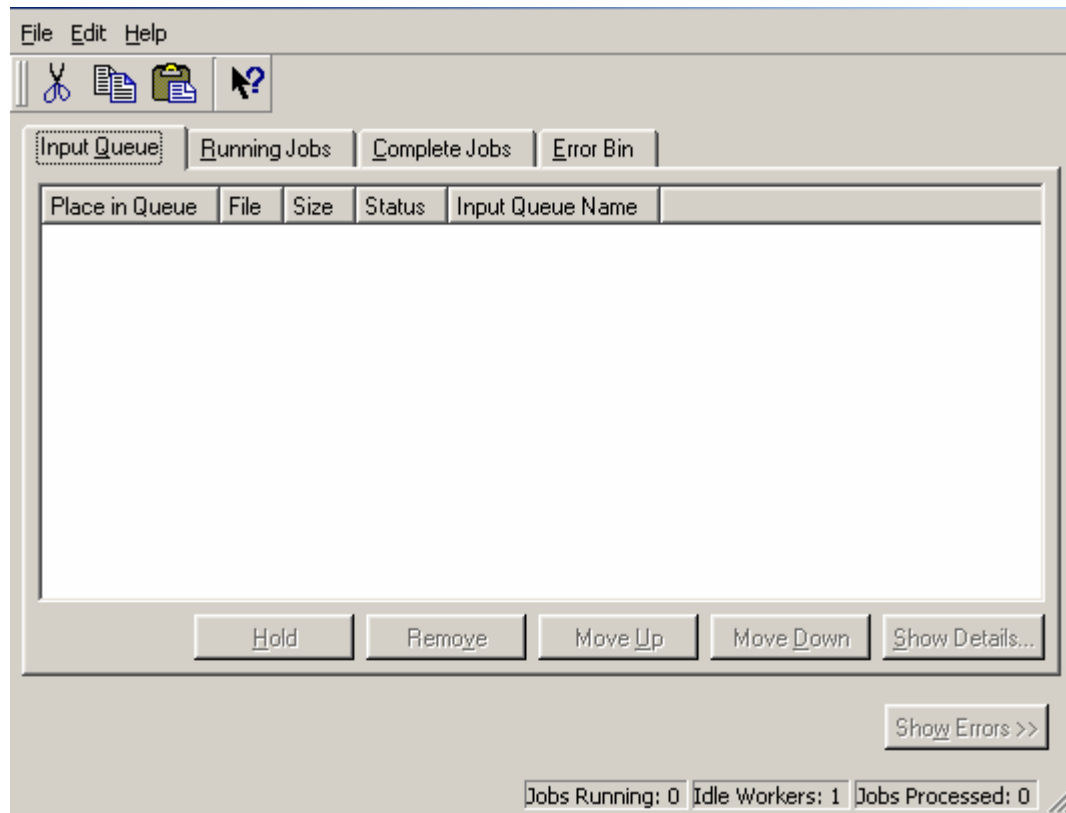
		OUTGOING										
INCOMING	LCDS/ Metacode	PDF	PDF/A	AFP	PCL	PostScript	CSV	API	HTML	XML	TIFF/ PNG	TEXT
LCDS/ Metacode	X	X	X	X	X	X	X	X	X	X	X	X
PostScript	X	X	X	X	X	X	X	X	X	X	X	X
PDF	X	X	X	X	X	X	X	X	X	X	X	X
AFP	X	X	X	X	X	X	X	X	X	X	X	X
PCL	X	X	X	X	X	X	X	X	X	X	X	X
Flat File	X	X	X	X	X	X	X	X	X	X	X	X
Line Print	X	X	X	X	X	X	X	X	X	X	X	X
DATA	X	X	X	X	X	X	X	X	X	X	X	X
ASCII	X	X	X	X	X	X	X	X	X	X	X	X
EBCDIC	X	X	X	X	X	X	X	X	X	X	X	X
SCS	X	X	X	X	X	X	X	X	X	X	X	X
TIFF	X	X	X	X	X	X		X	X		X	

**PRO WorkFlow Server** also supports

- PRO Print File Concatenate (pfcats)
- PRO Print File Reformatter (rcopy)
- Any conforming process including VBScript processes and
- OEM transform products adapted by our expert support staff

### Intuitive Graphical User Interface

**PRO WorkFlow Server** contains a Graphical User Interface (GUI), which allows a user to easily see the status of jobs in the system. The user can see a list of the jobs in the Input Queue, and examine and change their attributes. The user can see a list of files that are currently being converted and monitor their progress. As well, the user can also see a list of the files, which have already been processed and look at the log files created by these transforms.



## GUI-Style Configuration File Creator

The **PRO WorkFlow Server Configurator** makes it easy to configure the **PRO WorkFlow Server**.

## Input Queue Configuration

Each Input Queue can be configured by the Work Selection List. The Work Selection List is a text file that specifies the criteria for selecting work from a watched directory, the PRO conversion configuration options and the parameters to be used when routing the converted output files.

## Runs on Multiple Platforms

**PRO WorkFlow Server** runs on the following platforms:

Windows XP, NT, ME, 2000, 2003, Vista  
AIX  
Solaris  
HP-UX  
Linux

## *Mainframe Integration*

**PRO WorkFlow Server** can be integrated with IBM mainframe spool queues through several options:

- PRO JES to FTP can select output from the JES queues and send these datasets to PRO WorkFlow Server for conversion, printing and distribution.
- BARR Bus & Tag channel adapters can be used to convert the PRO WorkFlow Server system to a mainframe for print file capture.

## **System Requirements**

### **Software Prerequisites**

**PRO WorkFlow Server** runs on the following operating systems:

#### **Windows**

Windows XP, NT, 95, 98, ME, 2000, 2003

#### **AIX**

AIX, versions 4.2, 4.3 and 5.x

#### **Unix**

Solaris, version 2.6 and up  
Linux Red Hat  
Linux SUSE  
HP-UX, versions 10i and 11i

### **Hardware Prerequisites**

#### **Computer**

**PRO WorkFlow Server** requires a computer capable of running the software described above.

#### **Network**

The host can be connected to the system using any attachment methodology that allows data to be sent from the host to the printer or to an FTP server without translation. This includes TCP/IP and other LAN/WAN links (see the diagram below).

