The rules based workflow with integrated web approval and management

SmartMove

by **Omnitek**

SmartMove is an object based workflow system with the additional capability to add rules based processing

SmartMove's rules based processing engine automates the choices that need to be made on a job to job basis for all pre-press production environments. For today's fast-paced, demanding print businesses SmartMove provides a comprehensive workflow solution, ensuring device correct data delivery to all points in the production chain, enabling full control to users with unique web-based client applications.

At a glance
- PDF preflighting at job submission
- Ink-remapping function
- Comprehensive trapping function
- Ripped files displayed at pixel resolution and beyond
- Integrated web approval
- Visual workflow editor
- Web-based management

Integrated Web Approval

SmartMove integrates the industry leading SmartProof web page approval system to allow clients to remotely check and approve their pages and jobs across the web. With its dedicated Android and iOS Apps, web approval is made even easier across 3G and 4G-LTE networks. With SmartMove's advanced Apps for system administrators, you are no longer restricted to desktop computers to monitor and control your production jobs.

HotFolder automation

SmartMove has a unique HotFolder application client, which enables users to create hotfolders on their own computers or servers. By using regular expressions, pages can be automatically uploaded, processed and assigned to the designated page slot for the correct job in the appropriate client.

Pre-flighting at Source

A comprehensive PDF pre-flighting tool is built into the SmartMove client. The attribute for each condition check can be set to "Allow", "Warn" or "Reject". With its new web interface, users obtain the pre-flight status of the PDF before it is uploaded to the workflow. For large PDF files this saves considerable time and network bandwidth.

Screening

Screening options include Conventional (AM), Stochastic (FM) and Hybrid. Calibration and linearization is simple to setup and use.
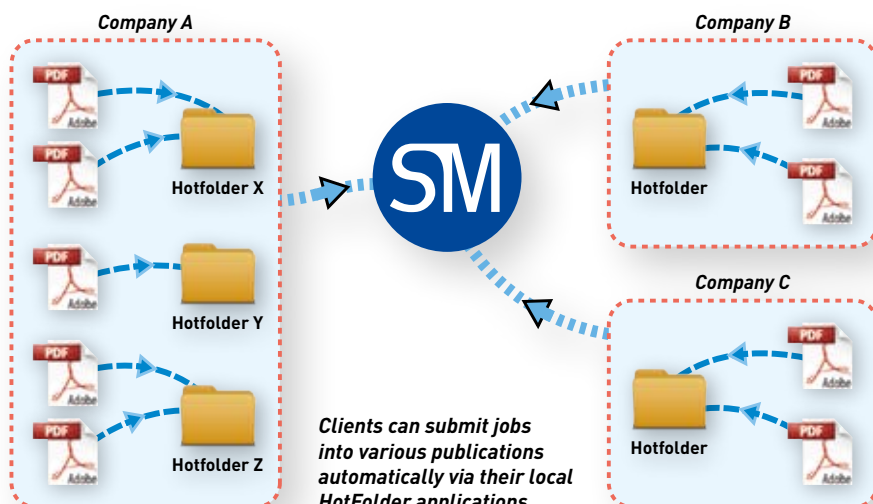
Client/Server architecture

SmartMove is based on the client/server model, is highly scalable and includes a database engine for integrated job management and web proofing. Clients can login to the central server on a wide variety of platforms including OSX based MACs, Windows PCs, Linux systems and of course Android and iOS based devices using the dedicated SmartMove Apps. With 3G and 4G-LTE networks, clients can checkout their jobs whilst out "on the road".

RIPed PDF and SmartObjects

One of the many optional output formats available is RIPed PDF. The SmartPDFs generated are font-free and resolved to PDF 1.3. This ensures reliable output on older systems.

Company A

Hotfolder X

Hotfolder Y

Hotfolder Z

Company B

Hotfolder

Company C

Hotfolder

Clients can submit jobs into various publications automatically via their local HotFolder applications

Imposition

A comprehensive imposition engine is included in Smart-Move. This allows imposition templates to be created and assigned to the required job at any stage. Any late change of press output requirements is simply dealt with by assigning a new imposition template to the job ensuring full flexibility and speedy re-purposing of the same job to a different press.

Page revisions are automatically handled by the system with no involvement by the pre-press operator.

Email/FTP

The system can email users on a comprehensive variety of triggers. Alternatively, a twice daily digest can be setup as the preferred option to receive status emails.
The integrated FTP tool enables automatic file transfers of approved pages and jobs to any ftp server on the web. This is particularly useful for larger sites which have offsite printing facilities.

Web Viewer

The same tools used for the web approval mechanism allows pages to be viewed across the web and panned and zoomed beyond pixel level. When dealing with screened data sets, SmartMove's highly advanced web streaming technology allows viewing of the actual dots and their rosette structure across the web on MACs, PCs, Android smartphones/pads and iOS iPhone and iPad.

With the ability to check separations, use the integrated densitometer, rulers and view single and double page spreads with or without trims, the user will see and approve exactly what will be printed.

Extremely easy to use GUI

The new SmartMove GUI is an extension of the very easy to use and highly intuitive SmartProof system. This allows the system to be used virtually "out of the box" with minimal training and a high degree of customer satisfaction.

Job Management

Job summary views show a real-time picture of all the jobs in the system including the status for traps, approval, imposition and output. Jobs can be prioritized as required with a simple drag and drop approach to the required order in the job list view. These features are also available in the dedicated Apps for Android and iOS.

JDF, CIP3/CIP4

SmartMove generates CIP3/CIP4 formatted data for direct connection and transfer to CIP enabled presses. With its optional JDF output module, it allows connectivity to MIS and other output systems enabling clients to benefit from a fully integrated print production system.

SmartMove Permissions and Unique Job Processing

SmartMove allows for a very flexible method of working for both end users and production staff.

With appropriate permission settings, end users are free to create their own jobs, upload their files, have them pre-flighted and upload new revisions as necessary. This takes place without any involvement by production. Once satisfied with the job content, the user can approve the job or individual pages. The approved pages/job are then immediately available to production staff to process for output.

Parameters required for production such as imposition, output screening etc. can be assigned by the production staff at any stage after job creation.

Of course for conventional methods of production, staff can set up full workflow parameters at job creation time.

3D Book review

SmartMove integrates a 3D book review function so that users can flick through the publication at any stage of the production process to get an idea of what the printed result will look like.

Trapping

SmartMove provides comprehensive trapping functions. The three available methods –
Vector to Vector, Raster to Vector and Raster to Raster – ensure the right option is always available for the job and the user's preference.

SmartMove workflow & web approval

Input formats supported: PDF, PostScript, EPS and sets of screened 1bit TIFFs
Proprietary formats (optional): Harlequin PageBuffers, Rampage .ctrs, Kodak VPS, Creo/Scitex nct/nlw, DI formats, TIFF/IT-P1
Output: Screened 1Bit TIFFs (AM & FM), DI formats (Heidelberg, Presstek, Ryobi), high resolution RIPed, vectored, font-free outline PDF (SmartPDF), low resolution watermarked PDFs, proof ready TIFFs with or without watermarking
Server system requirements: Intel core i5/i7 3 GHz+, RAM 4 GB+, Disk 1 TB+
Operating System: Windows 7 Professional

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