



DataGateway is WML's Document Output Management solution, featuring real-time document analysis and quality control, variable data and transactional printing and audited network transfer.

DataGateway is a scalable, secure, distributed print solution which is ideal for use in digital print production or mailroom transactional print environments. The DataGateway solution provides a range of features to allow the safe handling of sensitive customer documents. Document Content Control ensures that documents are correct before they are released for printing, and DataGateway's encrypted, audited print transfer ensures that the documents arrive securely at the print facility.

A network of synchronised DataGateway appliances can be distributed across an enterprise's wide area network to transfer all print data to a centralised production print facility, or a single DataGateway can be used to transfer all of an organisations print output to a commercial print production house.

Key features

- Document quality control with WML Document Content Control (DCC). Document Content Control can apply a range of DCC actions to check and augment your documents. The plugin architecture of the DCC action code allows customised actions to be quickly developed.
- Document sorting with DCC Sort Actions. Another plugin-style feature of Document Content Control, DCC Sort Actions can post-sort your daily document output prior to printing.
- Management information. DCC uses the document's content to identify page and document types. It collects information from the document page content into the DCC database. Reports can be generated for held and output documents. Daily spreadsheet reports are available as well as direct, read access to the on-board SQL database for customised reporting.
- Tracked electronic document delivery of PDF documents to the customer via SMS, email and web portal. Non-tracked delivery via email attachment is also featured.
- Document outsourcing - secure encrypted and compressed delivery of documents in real-time to a digital print facility of your choice.
- Handles CDL Prescribe, CEDS PDF and SSP PDF data formats and can add digital stock overlay or suitable simplex/duplex/media type selection to documents to take advantage of multiple delivery channels.
- Full digital whitepaper solution - DataGateway offers PDF document generation and document version control with Template Manager.

Platform

DataGateway is delivered as a self-contained appliance-style virtual machine on a dedicated hardware platform or on VMware or Linux KVM infrastructure.

Input Protocols

DataGateway accepts input data transmitted via the following protocols; LPD, raw TCP/IP, IPP, IPPS (IPP via HTTPS), FTP, SFTP, SCP, NFS hotfolder and Windows (SMB/CIFS) hotfolder. This allows DataGateway to accept data from any mainframe, Windows, Unix or Linux application.

IP Masquerading

DataGateway can take on many IP addresses as aliases, allowing it to masquerade as any number of standalone printers.

Input Format

DataGateway accepts data in a variety of formats, including PDF, PostScript, PCL, Prescribe, Epson LQ850, text, XML, Jetforms and CSV. It typically converts the incoming data into the PDF format (with the help WML's Template Manager in the case of XML, CSV or Jetforms input), then applies document analysis and control prior to archiving and electronic or print delivery.

Data Processing

Jobs are processed through a chain of filters. The choice of filters is made based on the input data format and the requested output format for the queue. A set of configuration files controlling the filter choice makes it easy to implement custom functionality for special or unusual data formats.

Output Protocols

Data can be transmitted to the printer using LPD, raw TCP/IP, IPP, IPPS (IPP via HTTPS), and it can also be dropped into NFS or Windows network shares.

Output Format

Data is internally processed in PDF and can be output in PDF, PostScript or PCL format, suitable for a wide variety of printers. The choice of output

format is controlled per-queue using PPD files. It is possible to prepend job control headers to print jobs, for example, KDK headers are handled.

Output Batching

DataGateway provides an output batching feature, which holds print jobs until the print operator releases them. The batched print jobs can also be extracted in a zip archive file. As the batched jobs are released, it is possible to overlay text such as a sequential batch reference, date, time or page number (the layout is controlled by the Template Manager).

Data storage for confidential documents

A DataGateway installed at a print facility can be configured to hold all in-transit documents on an encrypted disk store or exclusively on a RAM disk, ensuring that if the DataGateway hardware is stolen, the customer data is protected.

Page Scaling, Imposition and Digital Stock

DataGateway's page scaling feature scales each document as it is output. Page imposition allows an A4 PDF file to be laid out on A3 pages at print time. This gives the printer the correct layout for efficient printing, while the original job remains suited for electronic delivery or archiving. Digital stock can be applied to jobs for electronic delivery, then removed at print time (if the job has fallen back to printing).

Disaster Recovery and Remote Management

The Appliance Manager module is used to manage a network of DataGateways. A central system is used as the Appliance Manager, which monitors client systems and pushes out configuration and firmware changes. Appliance Manager is also used to mirror a production system's configuration, firmware version and database to one or more disaster recovery backup systems.

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