

you can
Canon

uniFLOW
Output Manager

Effective control and
management of your
print environment

uniFLOW OUTPUT MANAGER



Added control and extra efficiency

Whatever the size of your company, you can use uniFLOW Output Manager to gain effective control and management of your entire printer fleet. This comprehensive web-based software system is both modular and configurable, allowing a solution to be implemented that's aligned to your specific business requirements.

What is uniFLOW Output Manager?

Canon's uniFLOW Output Manager is designed to save you time and money by providing effective controls over your entire print fleet. Whilst most IT departments face challenges in this area, Canon recognises that your specific issues aren't the same as someone else's. That's why we recommend addressing them with a flexible and comprehensive web-based solution that can be easily integrated into your existing systems. So, even if for example, you're using an incumbent system to provide controlled access to network print devices, uniFLOW Output Manager allows it to be retained as part of a seamless implementation.

Control costs

uniFLOW Output Manager helps you keep tight control on your costs. Prices can be assigned to users or teams in a manner that's as sophisticated as you like. For example, you could set a different budget or price for A4, A3, B&W, colour, singled side, double side, booklet making and even stapling. If the user exceeds his budget, we could either allow him to keep on printing or block his printing until his manager agrees a new budget. This information can then be used to define printing policies and ensure your print infrastructure is being used as effectively as possible.

Reduce costs through efficiencies

Another way to save money is to minimise the time spent managing and solving IT problems, and reduce the frustrations of users who can't print when they need to. Nearly two thirds of businesses cite paper jams and depleted consumables as the main cause*. Canon's uniFLOW Output Manager addresses these issues, providing a clear insight into which devices are available, which are not, and highlights "out of toner" problems and paper jams. Your IT department is kept informed and, if required, pre-defined rules can be set up and followed for speedier resolution, saving both time and money.

What our customers say:

“Canon came out on top, a unanimous favourite when it came to the software. None of the other solutions were as straightforward to manage or as joined up. The departments print and copy usage are now transparent as never before and we can see exactly where our money is going.”

University Wales Institute, Cardiff

“By centralising printing cost management, we optimised the use of equipment, increased employee productivity and reduced costs by 31%.”

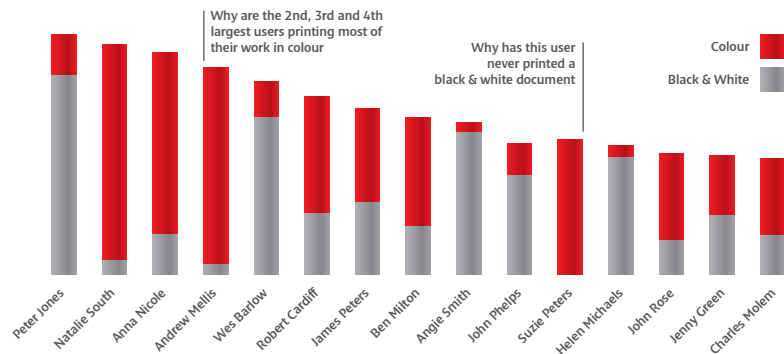
Sava Group

Reduce your costs and heighten security

Accurately assessing and managing costs within your print infrastructure is simple with uniFLOW Output Manager. Numerous modules provide complete cost and usage visibility and intelligent facilities allow you, for instance to automatically route output to the most efficient devices.

Statistics

View device usage across the network. Access reports by user, device, and groups of users. The web interface lets you set up all the reports you need, such as which device is being most utilised and who is spending the most.



External Budget Connector

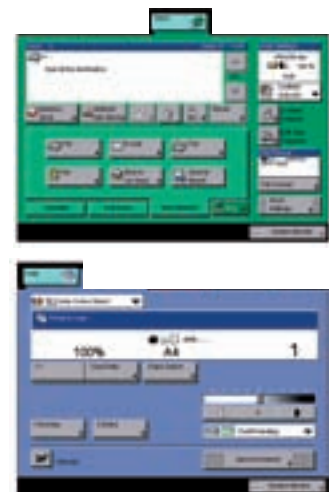
If you're working with an external charging system, this allows you to integrate it with uniFLOW Output Manager, in order to charge users for print and copying facilities, using existing methods. This is very useful for educational establishments and businesses that offer print facilities to external customers.

Biometric

For the ultimate in failsafe security, biometrics allows users to identify themselves at devices using fingerprints.

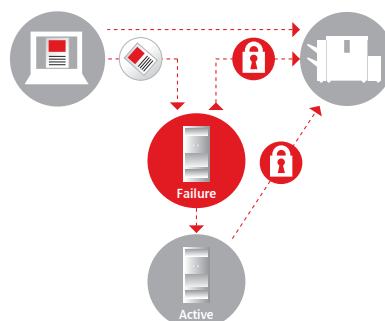
Access Management System

Once installed on a device, this module allows administrators to pre-determine which device functions each user, or group of users, are able to use. For example, features such as "Send" or "Copy" can be restricted so that they're not even visible in the device's display.



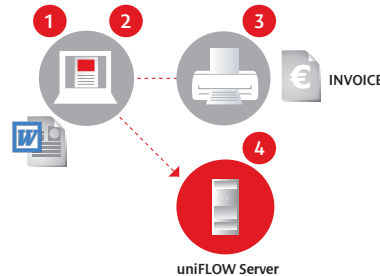
Server Clustering

For maximum security, we allow you to use a cluster of uniFLOW Output Manager servers, which ensures your company doesn't stop because of a print server failure as well as no accounting data or print is ever lost.



Desktop Accounting

Desktop printers can create headaches for IT staff since they can be costly to run and, since they're not on the network, difficult to monitor. uniFLOW Output Manager helps you control the cost of these devices, as well as including the relevant usage and cost data within the uniFLOW Output Manager database.

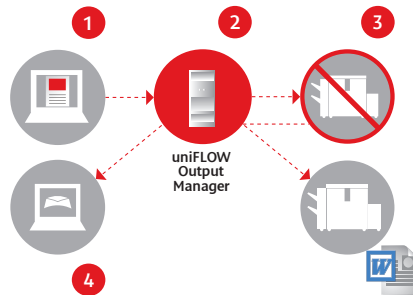


Desktop Accounting

1. User prints his document to the printer
2. Client Software on the PC analyses the print job
3. The document comes out on the printer without any delay
4. Accounting information is sent to the server and stored in the database

Interactive Rules and Routing

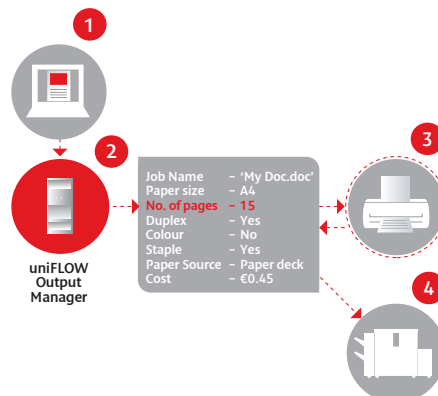
To help keep costs low for you and your users, print jobs can be automatically routed to the most cost-efficient devices in the office (e.g. colour print jobs from desktop devices to larger Multifunctional printers). Furthermore, documents can be diverted to alternative devices (**failover**), in the event of a problem such as “out of toner”, reducing user frustration.



“Failover” Solution

1. User prints his document to the printer
2. uniFLOW Output Manager checks if the printer is available
3. If device is down, job is re-routed to next device in the group
4. User sent notification pop-up

Alternatively, “pop up” boxes within this module can also be used to proactively inform users if they're attempting to print somewhere, when lower costs alternatives are available. Their subsequent decisions are all stored within the uniFLOW Output Manager database, keeping IT departments informed of their most cost conscious users and departments.



Automatic job re-routing based on rules

1. User prints his document to the printer
2. uniFLOW Output Manager analyses the print job
3. If the job is more than 5 pages it is re-routed to iR/iRC MFPS
4. Printed on iR/iRC. The document comes out of the printer without delay

Keep your information safe and secure

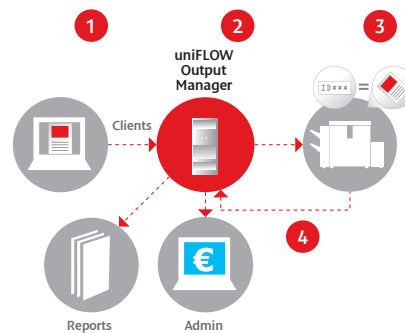
Security has never been more of a pressing issue for businesses, with reports of security breaches and the costly implications dominating today's media. Powerful facilities within uniFLOW Output Manger enable you to establish and maintain a print infrastructure where security is high on the agenda.

Secure Printing

Reduce wastage and increase security with Secure Printing. This allows users to retrieve documents at the printer, without the risk of interception by others. Print jobs are held at the server and can only be retrieved using an appropriate identification method – ideal for bodies dealing in sensitive information.

“My Print Anywhere” is also supported, allowing documents to be retrieved at whichever device is most suitable to the user. And since Secure Printing requires users to be at the device to retrieve their prints, stacks of uncollected documents no longer clutter your printers, improving efficiency and reducing wastage.

For maximum flexibility, many different identification systems can be integrated with uniFLOW Output Manager, including fingerprint readers, chip card readers, magnetic card readers, contact less card readers and keyboard entry.



Secure Printing & Accounting

1. Job sent to specific printer or any network device
2. Job is being held at the uniFLOW Output Manager Server
3. User identifies himself at the printer and the job is printed
4. Job details stored in uniFLOW Output Manager database and costs recorded

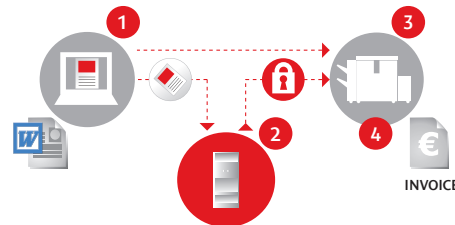
eCopy Secure Print Client

This module works as a connector for eCopy, and allows companies using eCopy and uniFLOW Output Manager to connect both systems, for secure printing.



eCopy Secure Print Client

1. User prints his document to the printer
2. The job is saved in hold queue
3. The user identifies himself at the eCopy Share Scan OP
4. Print job is released from the server and printed on the device



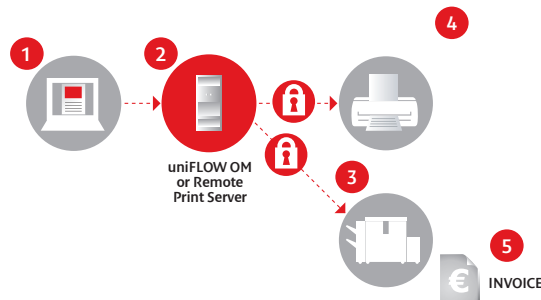
Universal Driver

This new feature of Secure Printing* and the MEAP applet, allows users to invoke "My Print Anywhere" at any device compliant with PostScript or PCL 5. Users send print jobs to the server, retrieving them at any compliant device on the network. Once logged on at the device, the server will do the conversion of the job to the needed PDL and will send the job to the device (avoiding unexpected format failures). If the device is MEAP enabled with the uniFLOW Output Manager MEAP application installed, the user can specify the required finishing options. A job preview ensures everything is printed as it's intended, saving time and reducing paper wastage.



Universal Driver

1. user identifies in a PCL or Postscript device
2. uniFLOW OM Server notified to release all waiting jobs from a particular user to the device
3. uniFLOW OM server adds correct printer commands to the print jobs
4. user select finishing options and preview the output of the job
5. Job is printed correctly



Specifications uniFLOW Output Manager

SOFTWARE Operating system	Windows 2000 Server or Windows 2003 Server Internet Information Server 5.0 (2000) or 6.0 (2003) Internet Explorer 5.5 or higher (Internet Explorer 7.0 recommended). or Windows XP Professional or Windows 2000 Professional Personal Web Server Internet Explorer 5.5 or higher (Internet Explorer 7.0 recommended)	PRINTER LANGUAGES PDL (Page Description Languages)	Can be analysed (to a smaller or greater extent) by uniFLOW Output Manager
HARDWARE Minimum Recommended	2 GHz Pentium III 512 MB RAM 4GB free hard disk storage Core 2 Duo processor 2 GHz 32-bit (x86) 2GB RAM 40 GB free hard disk storage		Canon UFR (Ultra Fast Rendering) • UFR I • UFR II GARO (Canon Proprietary, PDL for Inkjet printers) PostScript • Level 3 (PS3) Printer Command Language • PCL 5 • PCL 5e • PCL 5c • PCL 6 • PCL XL Hewlett Packard Graphic Language • HP-GL • HP-GL2 Hewlett Packard Raster Transfer Language • HP-RTL Epson Standard Code for Printers • ESC/P2 Kyocera Printer Driver Language • KPDL
META LANGUAGES	Canon CPCA (Common Peripheral Controlling Architecture) Printer Job Language (PIL)		
ANALYZABLE PRINTER DRIVER DATA (ACCOUNTING VIA GDI /EMF)	CAPT (Canon Advanced Printing Technology)		