



Reduce Multifunction Device  
Costs and Decrease Waste  
with PaperCut MF

**FUJI xerox** 

# Introduction

PaperCut MF is a copy & print quota, charging, tracking and monitoring system designed to promote responsible photocopier, printer and MFD usage.

PaperCut MF offers organisations of any size the ability to manage all copying and printing produced across their entire multi-functional device and printer fleets using a single low cost software solution.

## How it works?

PaperCut MF works by intercepting printer usage at the server level, calculating the usage cost, and deducting this from a central account associated with the user's login. Alternatively, they can use the TopUp / Pre-Paid Card tools to implement a self-managing user-pays system.

Device usage is calculated on a cost-per-page basis with advanced charging options available for example colour, different page sizes and double-sided printing.

**Commercial Environment**, PaperCut is often implemented in "silent tracking mode" where only managers are made aware of usage and cost via password protected real-time activity reports.

**EDUCATION Environment**, PaperCut is run in a visible "restricted" mode. All users are aware of their credit limits, if the limit is exceeded they are automatically denied access to the printing resources.

Teaching Staff have the additional benefit of being able to select from multiple cost allocation centers for easy budget conformity.

## Why PaperCut MF?

### • Intuitive and Easy to Use

PaperCut MF is regarded as the simplest system of its type to deploy and manage.

End-users can have access to a set of web tools that allow them to track their own activity in real-time, query their account balance, view transactions, and transfer credit to fellow users.

The look and feel of the web interface is fully customisable.

### • Flexible Deployment

Unlike other solutions PaperCut MF is a full cross-platform system supporting all major operating systems. Do you host some printers on Windows and others on Linux? PaperCut is your tool!

PaperCut MF integrates with your existing network, automatically importing user and group information from Active Directory, Open Directory, LDAP, Novell eDirectory and other domain sources.

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Server	Client
Windows Servers	All Windows versions
Mac OS X Servers	Mac OS X
Linux based CUPS or Samba Servers	Linux/Unix Workstations

### • Automated and Self Service Re Charging Mechanisms

PaperCut MF can use "TopUp Cards" or "Pre-Paid Cards" to provide a convenient way for organisations to issue credit to users in a user-pays environment. PaperCut MF can also be combined with self-service value loaders or cash acceptors to provide users with the ability to deposit funds into their PaperCut account in an automated and real-time manner.

**PaperCut MF - charging millions of users in more than 60 countries world-wide**

# User Management Systems

## Advanced User Management

### Flexible User Management

Use PaperCut's WEB administration interface to manage users' account balances, access privileges, and track usage. Give selected users such as network administrators, teaching staff, or managers access to PaperCut's easy-to-use web interface to:

- Modify users' account balance and privileges
- View a user's transaction history
- View a user's activity in real-time
- Run activity reports

### Automatic User Import

PaperCut automatically synchronises user accounts with the domain or Active Directory. It can import users from:

- The full domain or Active Directory
- A selected group within a domain
- An organisation unit

### Account Creation Rules

Move to a fully self-administering system by defining rules to enable PaperCut to automatically create new user accounts on demand.

### Schedule Credit / Quota Allocation

Give users a budget and control how and how often their accounts are topped up. Use network groups to define how additional quota are assigned. For example, senior students are allowed to accumulate their allocation while junior students run on a use it or lose it basis.

Date	Usage	Charged To	Printer	Pages	Cost	Document Name	Address	Status
Sep 5, 2005 12:29:12 PM	(personal) printbarver	printbarver	Color	1	\$0.50	Microsoft Word Document	A4 1 page 100% 34.45	Printed Enforced
Sep 5, 2005 12:38:13 PM	(personal) printbarver	printbarver	Color	1	\$0.50	Microsoft Word Document	A4 1 page 100% 34.45	Printed Enforced

### Shared accounts for departments

Grant selected users the ability to charge shared accounts for departments, cost centers, faculties or projects. Users select the account via "popup" client software.

Username	Full Name	Balance	Restricted	Pages	Jobs
bar0023	Aaron BARTON	\$2.42	Yes	6	6
bar0024	Darren BAR	\$5.00	Yes	0	0
bar0001	Maria BASS	\$3.52	Yes	18	6
bar0004	Rick BATTON	\$5.00	Yes	0	0
bar0003	John BAUMS	\$5.00	Yes	0	0
bar0004	Matthew BATT	\$5.00	Yes	0	0
baz0001	Sarah BAZZ	\$5.00	Yes	0	0

Statistics & History

Balance history for bar0023

Account balance history over last 30-days and usage statistics.

Balance history for bar0023

28-Aug 4-Sep 11-Sep 18-Sep 25-Sep Day

Total pages: 6 (Last reset by [system] on Aug 31, 2005)

Total jobs: 6 (Last reset by [system] on Aug 31, 2005)

Account Details

To set the user's balance enter the value in the 'Balance' field. To add credits to the user's account (like adding 5 credits), select 'adjust' in the dropdown. If the user 'restrict' is checked, the user will need more than that to print.

Balance
\$2.42 (adjust)

Restricted



## Advanced MFD Management

### Detailed Logging

PaperCut logs all print activity including document name, cost, number of pages and from whom and where the document was originated. Log information is available for online viewing or download in industry standard formats including PDF and CSV, allowing additional ad-hoc analysis.

### Advanced Filtering & Restrictions

Use PaperCut's advanced filtering rules to control which documents can be sent to which MFD. Filter rules include:

- Deny print jobs based on number of pages
- Automatically delete duplicate print jobs
- Deny grayscale documents on color printers
- Delete print jobs with incorrect paper size
- Filter documents by file name

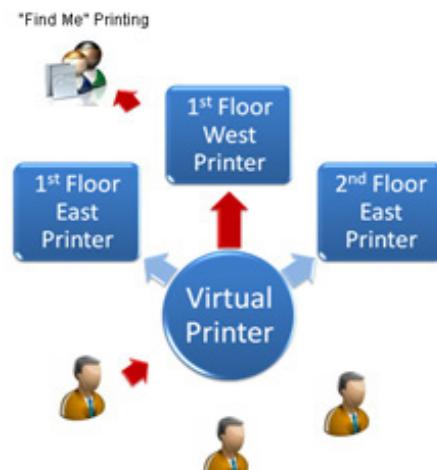
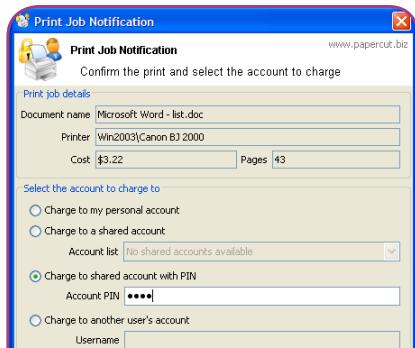
By combining PaperCut's filter rules,

administrators can alleviate printer jams, queue hogging, and avoid wasteful print jobs.

### Secure Printing & Print Release Stations

Use PaperCut's web-based or full-screen release stations to implement secure printing, control printer access on demand, or even implement pay-per-use printing (which is perfect for use in libraries or Internet kiosks).

# Key Features



## Architecture

### Modern Software Design

PaperCut MF is developed using the latest software development concepts such as Service Oriented Architecture and XML Web Services. The architecture allows PaperCut to scale to networks of all sizes ranging from single server workgroup networks to clustered multi-server 60,000+ user networks. With SSL encryption all data is secured at the highest level.

### External Database Support

PaperCut MF includes the option to run the system on top of its own built-in database or optionally a 3rd party database system such as:

- Microsoft SQL Server / Express
- PostgreSQL Database Server

External database support allows larger organisations to leverage off existing software infrastructure and backup procedures.

### Summary of Features

- Track and control walk-up / off-the-glass copying.
- 100 % web-based allowing administration control from anywhere on the network.
- Cross-platform support for both servers and clients, for Windows, Mac and Linux.
- Differential copy/print charging allowing costs to be defined per copier or printer
- Varied price allocation for colour, duplex and wide format printing.
- Print release and secure printing, for pay-per-print usage in public libraries or internet cafes.
- Advanced reporting in PDF, HTML and export routines.
- Charge to shared accounts - great for allocating costs to departments, clients and job cost centres.
- Import users and groups from Active Directory or an LDAP server like Novell eDirectory or OpenDirectory