



## The Total Solution



Printer Control



Access Management



User Control

## PaperCut NG™

- Reduce printing costs
- Eliminate waste
- Promote responsible usage
- Once off purchase - no yearly fees

PaperCut NG is a print quota, charging, tracking and monitoring system designed to promote responsible printer usage. PaperCut provides:

- activity monitoring
- quotas
- charging
- detailed logging

### Why PaperCut NG?

PaperCut NG provides the technology to control the use of network printing. Organizations may choose to implement PaperCut NG with different monitoring models. These range from silent monitoring, to quota enforcement, to charging on a pay-per-use model. PaperCut NG integrates with your network's existing print servers to instantly enable real-time monitoring, quota control, activity reports, and flexible administration. PaperCut makes end-users responsible for their own activity and ensures network resources are used in a sensible manner.

#### History

PaperCut was initially developed to meet the need to control printing and internet use in schools. Over the past 9 years, PaperCut has been enhanced to address needs in other areas such as businesses, universities, and government.

#### How it works

PaperCut NG 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. Administrators can define a quota by scheduling credit allocation at defined intervals. Alternatively, use the TopUp/Pre-Paid Card tools to implement a self-managing user-pays system.

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

In a business environment, PaperCut is often implemented in "silent mode" where only managers are made aware

of usage and cost via password protected real-time activity reports.

In a school or university environment, PaperCut is run in a visible "restricted" mode. Users exceeding their credit are automatically denied access to the resources. Staff members are granted access to shared accounts to track printing by department or faculty.

#### Intuitive and Easy to Use

PaperCut NG is regarded as the simplest system of its type to deploy and manage. Ease-of-use is a core feature. Selected users can be delegated management control via a familiar web browser interface. System administrators have full access to advanced administration and configuration options. Highlights include:

- Automatic scheduling of quota/credit
- Rules to control automatic user account creation
- One-click access to activity reports

#### Contact Us

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# Why PaperCut NG?

## Flexible Deployment

PaperCut NG is hardware vendor and operating system neutral. It works with the majority of printer hardware and supports standards including PCL and Postscript. Unlike other solutions PaperCut NG is a full cross-platform system supporting all major operating systems including mixed environments. Like to host some printers on Windows and others on Linux? ... no problem!

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

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

## Web Based Administration

PaperCut NG provides administration access from any location on the network via a standard web browser.

Administration access includes

- User management
- Printer management
- Instant reports & charts
- Usage tracking for end-users

Browser control means there is no need to install separate management software on remote PCs.

End-users 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 end-user interface is fully customizable allowing organizations to apply their own web site designs.

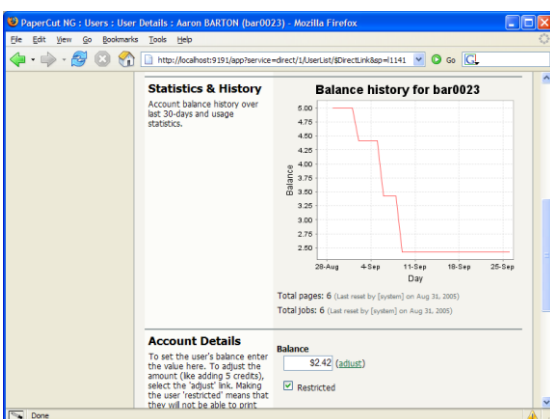
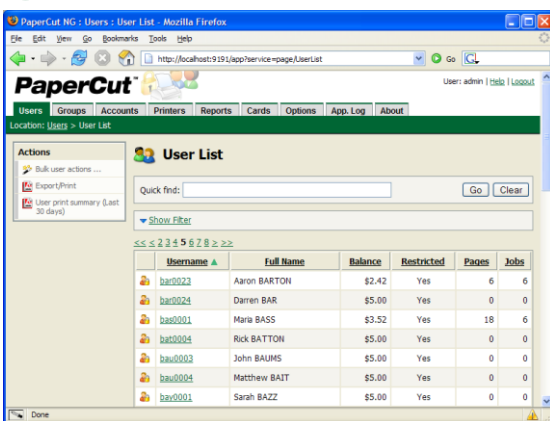
## TopUp/Pre-Paid Cards

PaperCut NG can use "TopUp Cards" or "Pre-Paid Cards" to provide a convenient way for organizations to issue credit to users in a user-pays environment. It provides an easy alternative to manual account management.

Each card purchased contains a unique number, which is entered by the user in the web tools interface. Cards are a very cost effective solution and are now the de-facto standard in other industries such as pre-paid mobile phones. PaperCut provides tools to create, print and manage your own cards.

# Advanced User Management:

## 1 PaperCut NG user administration



## ■ Flexible User Management

Use PaperCut's administration interface to manage users' account balances, access privileges, and track their usage. Selected users can be granted "unrestricted" access allowing them to draw below their allocated quota – ideal for teacher staff or managers.

## ■ Automatic User Import

PaperCut automatically synchronizes user accounts with the domain or Active Directory. Import users from:

- The full domain or Active Directory
- A selected group within a domain
- An organization 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. Define new account properties based on group membership, including:

- Initial credit allocated to new users
- Privilege level
- Credit allocated daily, weekly or monthly

**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 is assigned. For example, allow senior students to accumulate their allocation while junior students run on a use it or lose it basis.

**Provide selected users "Administration" access**

Give selected users such as network administrators, teaching staff, or managers access to PaperCut's web interface. Use the easy-to-use web interface to:

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

**Shared accounts for departments**

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

## Advanced Printer Management:

**Detailed Logging**

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

**Monitor Load**

The load carried by each printer is clearly displayed in the administration interface. IT managers can use this information to determine where additional printers may be required, or detect printers unsuitable for the situation or location.

**Define Printing Cost**

Each individual printer can have its own cost per-page. This cost is used to calculate the total cost of each print job that passes through the printer. E.g. administrators can charge more for use of a color ink-jet than a black & white laser printer.

**Advanced Charging**

Use the advanced charging interface to charge different rates for:

- Color vs. grayscale printing
- Different paper sizes
- Discounts for double-sided or duplex printing

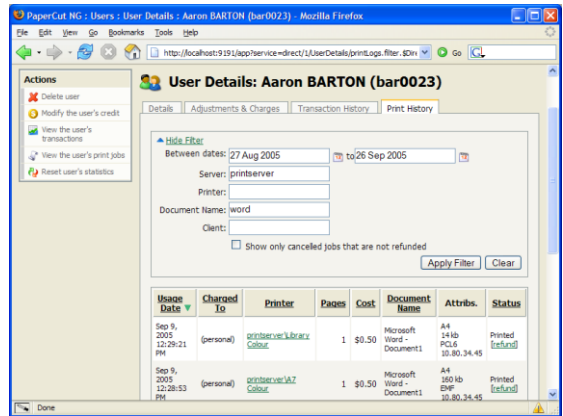
Use price differentiation to encourage the use of double-sided printing and give end-users the incentive to use the high volume laser printers for large print jobs.

**Advanced Filtering & Restrictions**

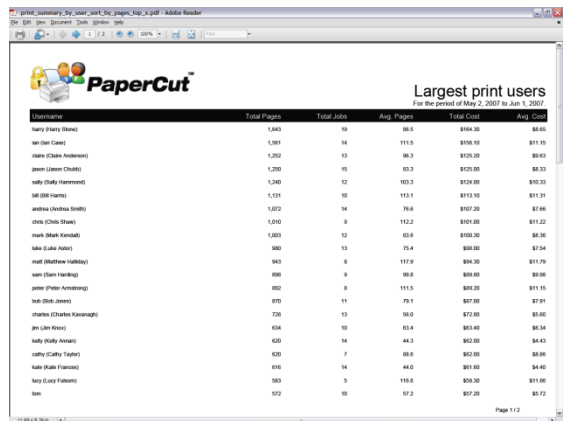
Use PaperCut's advanced filtering rules to control which documents can be sent to which printers. Filter rules include:

- Deny print jobs based on number of pages
- Deny expensive print jobs
- Automatically delete duplicate print jobs
- Deny grayscale documents on color printers

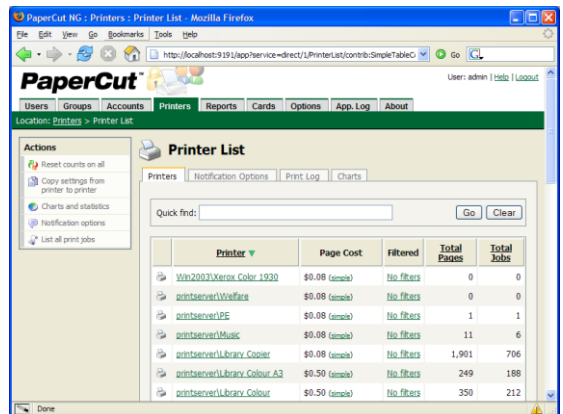
**2 View user details and print history**



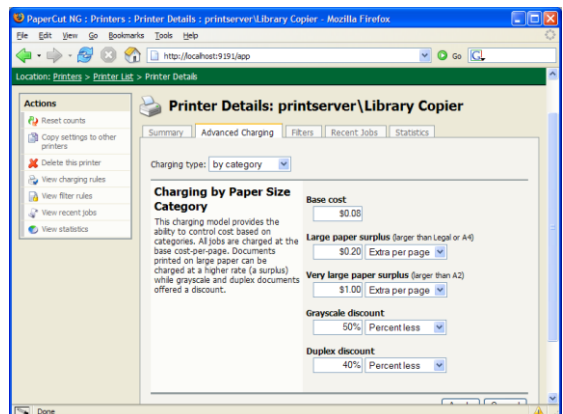
**3 "One-Click" PDF reports**



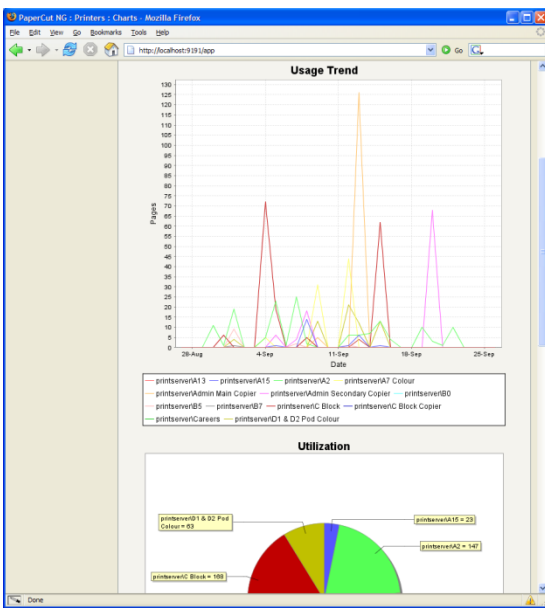
**4 Centrally track all the network's printers**



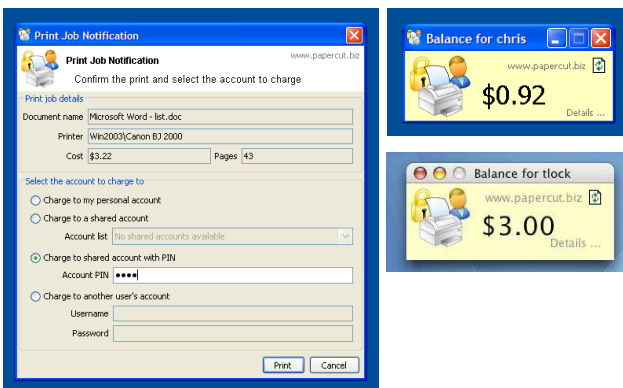
**5 Different costs for color or grayscale**



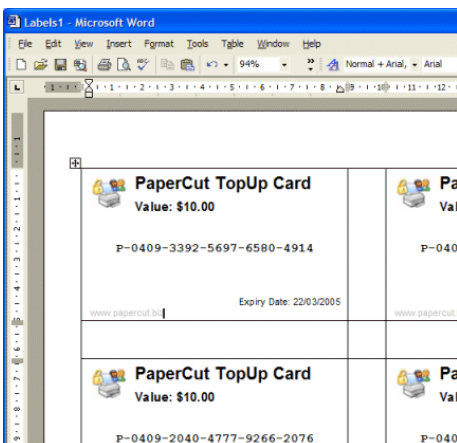
6 Graphing of activity use



7 Optional client software for PC, Mac and Linux



8 Use the card wizard to create your own pre-paid cards



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[www.papercut.com](http://www.papercut.com)

- 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).

## Architecture:

■ Modern Software Design

PaperCut NG is developed using the latest software development concepts such as Service Oriented Architecture, XML Web Services and multi-layered design. 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. SSL encryption ensures all data is secured at the highest level.

■ External Database Support

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

- Microsoft SQL Server / Express
- PostgreSQL Database Server

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

■ An Open System

PaperCut NG is an open, vendor neutral solution. All customers are provided with source code access. The system is designed using open standards and supports all major operating systems.

## Other Highlights:

- No yearly fees
- Free email support direct from the developers
- A friendly and approachable development team
- Free upgrades for minor "point" releases
- A modest upgrade fee for major version releases