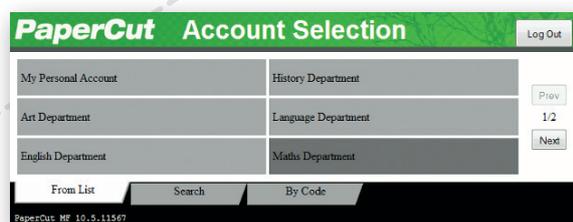**PaperCut MF™**

Complete control over print, copy, scan and fax

PaperCut MF is a simple, low cost software application that lets you take control and manage your printing, copier and MFD use.

PaperCut MF is a simple to install and use copier and print management application. Its features eliminate waste, encourage responsible behavior and make users and departments accountable for their usage. PaperCut MF includes embedded software that runs on your copier/MFD to enable tracking, control and secure print release directly from the device's panel.

PaperCut MF is easily configured and is suitable for sites of any size regardless of environment, platform or MFD/printer make and model. PaperCut's solutions are currently in use in over 30,000 sites worldwide and translated into 20 languages, making PaperCut MF a product you can both trust and easily afford.

Benefits of PaperCut

- **Control costs**
  for every copy, print, scan and fax

- **Centrally manage**
  MFDs/printers and users from a simple web interface

- **Report and Recover**
  costs by user, department, project, cost center, device and function

- **Secure Access**
  via login, ID number or access card

- **Enforce**
  responsible use via rules, limits and popup notifications

- **Enable**
  secure print release and *Find-Me* printing

- **Vendor Neutral**
  supporting all major operating systems and devices
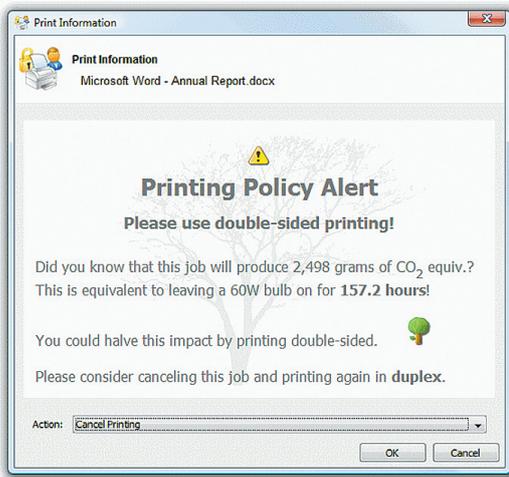
SUPPORTED PLATFORMS

sales@papercut-mf.com
www.papercut-mf.com

Why PaperCut MF?

Intuitive and Easy to Use

PaperCut MF is regarded as the simplest system of its type to deploy and manage. System administrators have full access to administration and configuration via a familiar web interface. It offers:
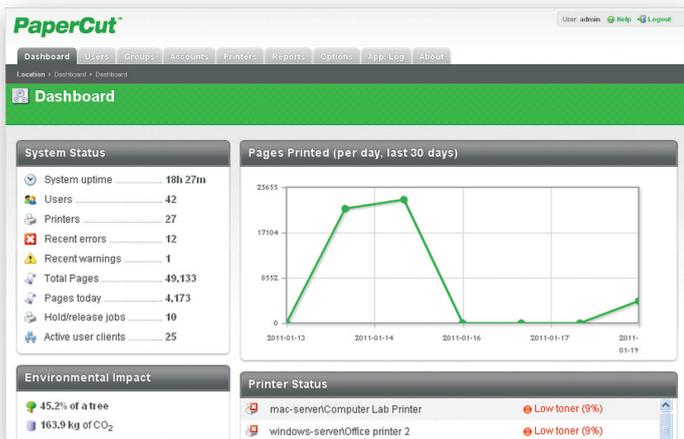
- User directory (eg. Active Directory and others) integration and automatic user account creation
- Secure print release and *Find-Me* printing
- Administrator dashboard with real-time status updates
- Web Print: Driverless printing for wireless devices
- Optional client and account billing
- Ability to encourage responsible use via popup notifications

Web Based Administration

PaperCut MF provides "out of the box" browser-based administration access from any network location enabling centralised management of every user and device. Web technologies make cross-platform support easy as there is no need for additional software to be installed and no web server configuration.

A key feature of the administration interface is the dashboard tab – an easy-to-read single page view of the printing environment for administrators. The Dashboard page utilises a number of gadgets to present key real time information such as system activity and status updates, along with trend information and statistics from past activity such as number of pages printed and environmental impact measures.
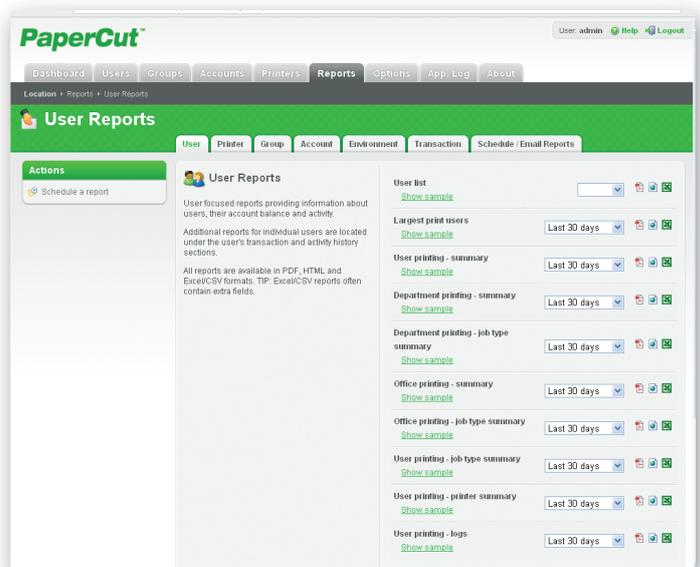

Detailed Reporting

PaperCut includes over 50 one-click reports available for online viewing, printing or export. Reports address all areas ranging from detailed page logs to summaries by user, department, device or environmental impact. Administrators can create ad-hoc reports by applying filter conditions and reports can be emailed to specified people on a regular schedule.

More information is at www.papercut.com/tour/report/

Powerful Job Scripting

Advanced scripting can be used to define and finely tune your printing policy, and support your organization in eliminating waste and changing user behavior.

With PaperCut you can:

- Automatically route large jobs to detected high volume printers
- Discourage printing of emails via popup print policy warnings
- Encourage double sided printing
- Discourage or disable color printing by user group
- Least cost routing (suggest more cost effective devices based on conditions)
- Allow free printing (e.g. during class times)
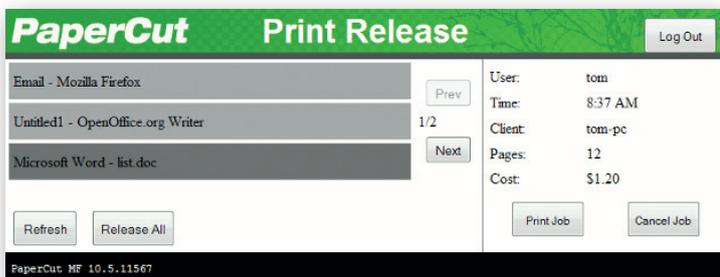- Define action by job attribute, user / group, period of day, device feature / type.

See environmental impact at a glance with the Paper-Less Alliance widget

Web
Printing

Workstation

User sends print job to the
virtual printer *"Find-Me"* queue,
hosted on the print server

Print
Server

The virtual queue releases
jobs to any device

MFD with
embedded
and USB
card reader

Find and release job

Printer with
network
card reader

Printers with
PC station
release load
balancing

Virtual Print Queue
"Find-Me" queue

Find and release job

*A global print queue provides convenience for
end users and helps keep documents secure*

Secure Print Release

PaperCut's *Find-Me* printing feature enables users to print to a
global virtual queue. Jobs are paused and only printed when the user
releases the job at any compatible MFD/printer:

- Improved document security and convenience.

- Reduce IT administrators need to manage multiple print drivers
  and queues for both workstations and notebooks.

- *Find-Me* printing minimizes waste and has been
  shown to reduce printing output by up to 20% in busy
  office environments.

- Support for multiple release methods ranging from auto release
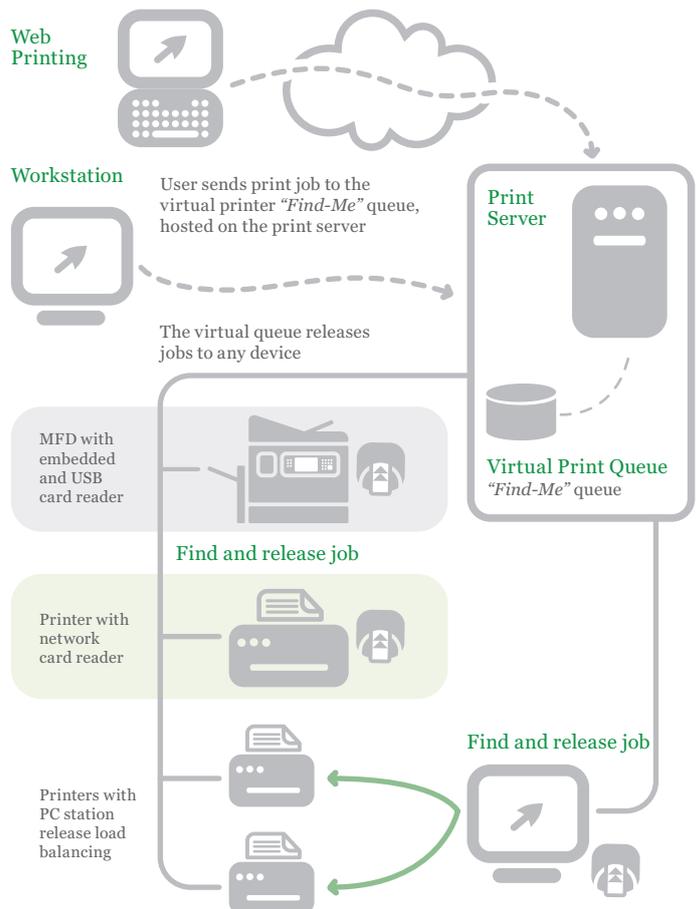 on authentication to active release job-by-job.

End users can view and manage held print jobs at the MFD

Secure Device Access

Today's MFDs are smarter. They have touch screens and the ability
to run software directly on the device's panel. PaperCut leverages this
technology to bring new features to each device.

One of the key features is user authentication – only allowing device
access to authorized users. At the simplest level users can authenticate
with network username and password via an onscreen keyboard. In
addition many environments will implement ID card authentication.
Card numbers can be extracted from your network's user directory or
a database (e.g. door access control system), alternatively users can
self-associate their card on first- use.

Card types include magnetic stripe, proximity (HID, Mifare &
Legic) and bar codes, and PaperCut supports many brands of USB
card readers including RFIdeas, Elatec and OmniKey. Off the
shelf standard USB and network card readers are available from
leading suppliers. PaperCut have a global network of hardware
experts (Authorized Solutions Centers) should you require technical
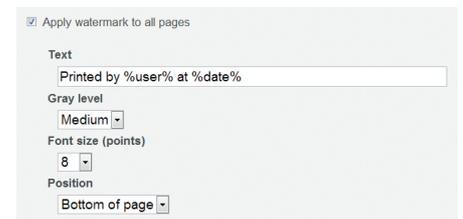assistance, advice or onsite support of both software and hardware.

Driverless Web Printing

Web Print has the potential to enable wireless and driverless printing
from any mobile device, including laptops and netbooks. Combined
with PaperCut's *Find-Me* printing feature, users can securely release
their job from any supporting MFD/Printer. Web Print is simple to
deploy and use and is fully integrated into PaperCut's standard print
charging, accounting and quota account methods.

Watermarking and Digital Signatures

Watermarking allows you to automatically add a username or other
metadata to the bottom of every page e.g. to indicate the document
owner. Watermarking may include a unique digital signature
which allows you to track document origin to enhance security and
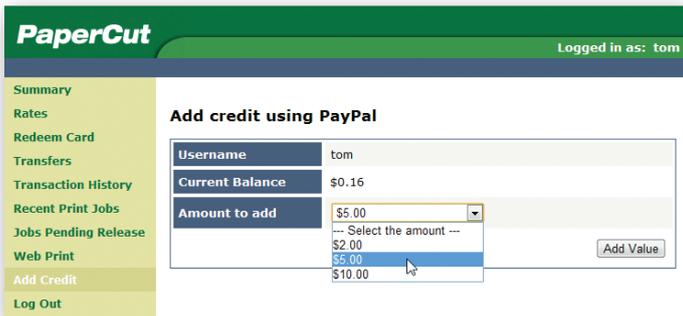encourage responsible printing.

PaperCut in Education

Payment Gateways

Give end users the ability to make payments into their PaperCut account using payment gateways. Payment gateways allow third party systems to connect to PaperCut in a supported manner. Common gateways include leading providers like PayPal and Authorize.Net which allow real-time online payments via credit card. PaperCut also supports closed or internal payment systems such as a main college funds account. Hardware gateways are available to support a range of cash loaders, self-service kiosks and bill and coin boxes. For hardware, please refer to a PaperCut MF Authorized Solution Center.
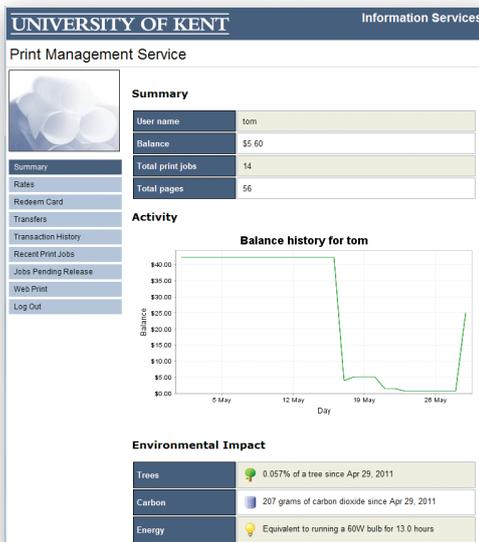
End users can easily manage their account balances and add credit via online and onsite methods

User Web Interface

End users have access to a set of web tools to track their own activity in real-time, query their account balances, and view their transactions – without the need for intervention from administrators. The end user interface is fully customizable, so you can design a look and feel to match your website or intranet pages.

Managing Quotas

Users can operate in either credit or debit, with defined account rules including how and how often an account is credited. Use network groups to define how additional quota/credit is assigned; for example, allow a specific group of users to accumulate their quota while others operate on a "use it or lose it" basis.

Pre-Paid/Top-Up Cards

PaperCut MF comes with a simple to implement voucher system for purchasing additional print credit. Administrators can print out a batch of single-use cards with a pre-defined value. Users redeem cards by entering the card's unique code on a web page.

Technical Specifications

Scalability:
- Suitable for networks of 5 to 500,000+ users

Architecture:
- Single server or multi-server environments
- Monitor locally attached printers
- Client software is optional
- Available in 20+ languages and currency formats world-wide

Licensing:
- Enterprise-wide license: unlimited printers, servers, and workstations
- Licensed based on number of end users, plus a per-device license for MFD's running embedded software
- Premium Upgrades Assurance included for first 12 months

Open Systems:
- Open documented database schema
- XML Web Services API with sample code

Supported Server Operating Systems:
- Microsoft Windows Server (any edition including 64-bit and server core)
- Mac OS X Server (10.4 or higher)
- Linux (any modern distribution)
- Novell OES Linux and iPrint

Supported User Directory Services:
- Active Directory (native integration including nested groups and OU's)
- OpenDirectory
- eDirectory
- LDAP
- NIS, PAM, Samba, and others.

Supported Workstation Operating Systems:
- Microsoft Windows (any edition)
- Mac OS X (10.4 or higher)
- Linux (any modern distribution)
- Unix Workstation (Java required to run client software)

MFDs/Printers:
- Almost all major digital laser, inkjet and wide format devices supported
- Supported print languages: PCL, PCL6, HPGL, Postscript, PCL-GUI, Ricoh RPCS, Epson ESC, QPDL, various GDI printers and many languages that don't even have names

Supported Database Servers:
- Self managing internal database: suitable for up to 5,000 end users
- Microsoft SQL Server 2000/2005/2008 (either 32 or 64 bit)
- Microsoft SQL Express 2005/2008 (free from Microsoft)
- PostgreSQL 7.1 or higher
- MySQL 5.0 or higher
- Oracle 9.2 or higher

Supported Cluster Environments:
- Microsoft Failover Server
- Microsoft Cluster Server
- Veritas Cluster Server
- Linux HA

Encryption:
- SSL encryption used for sensitive client server communication.