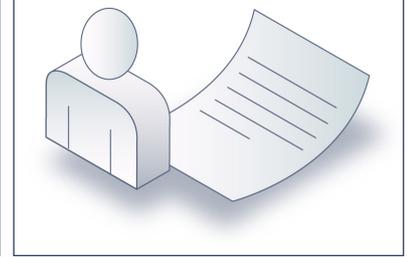# SafeCom Pull Print

Print Safely - Anytime, Anywhere

SafeCom Pull Print (Follow Me printing) is synonymous with secure printing. Besides ensuring confidentiality, the introduction of SafeCom Pull Print can cut costs of paper and supplies by an estimated 15%.

Traditional Printing

Traditional printing is the well-known scenario, where prints are sent from the computer directly to the printer device. This means that users are still at their computer when the printer starts outputting the document.

The drawbacks are equally well-known with lost documents, loss of confidentiality and unnecessary printing and paper waste among others.

Let the users decide

With SafeCom Pull Print users decide which print jobs to print or delete. In combination with auto-deletion of forgotten print jobs this may reduce paper and toner costs by up to 15%.

Taking control with Pull Print

With SafeCom Pull Print, prints are no longer sent directly to the printer as with Push Print (direct printing). When a user clicks Print on the computer, the document is sent to a SafeCom print server (server printing) or remains on the user's computer (Client Printing).
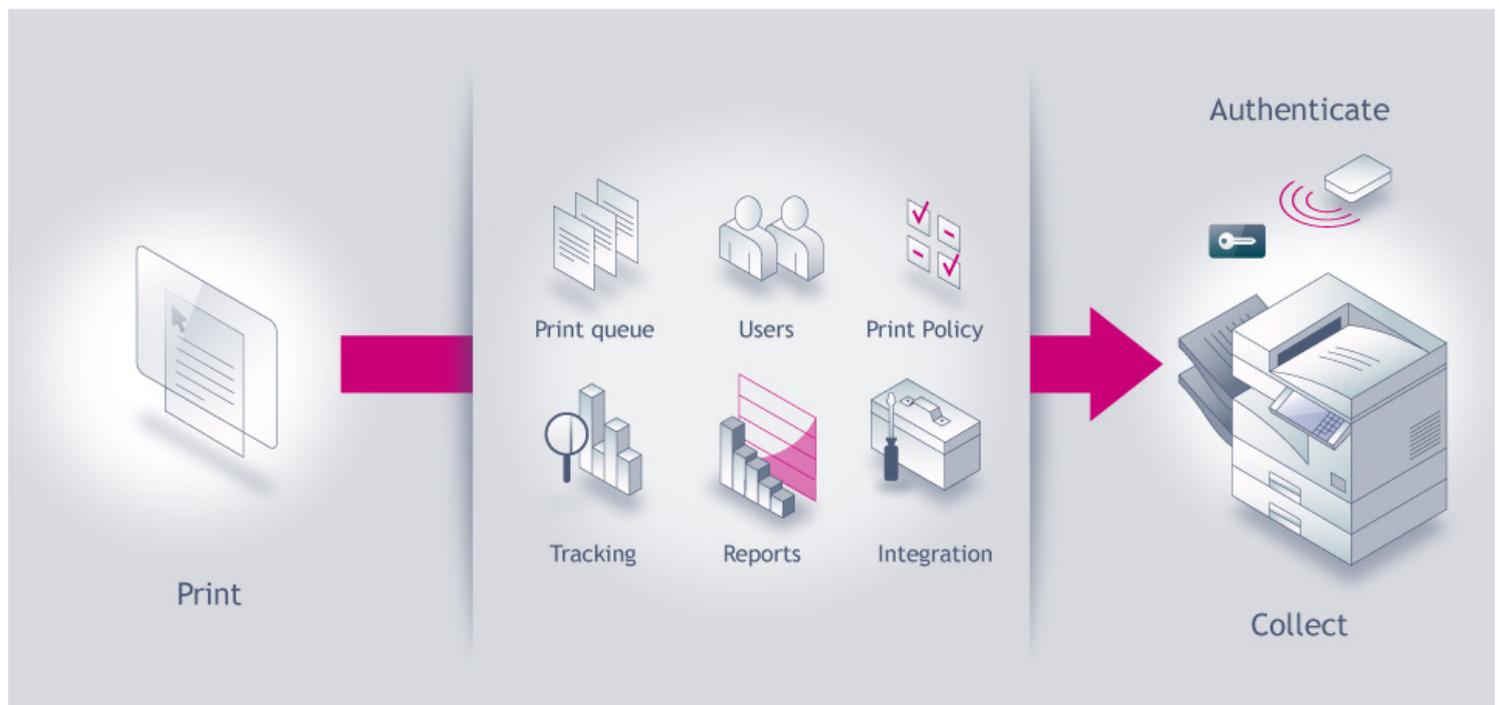
Either way the document is encrypted until the user logs in at a printer or MFP with SafeCom and selects one or more documents to be printed.

Personal printing on network printers

With SafeCom Pull Print any printer or MFP functions as a personal printer. Confidential documents are less likely to end up in the wrong hands, and employees do not have to rush to the printer to collect their documents before anyone else takes them.

This eliminates the main reason to maintain personal office printers in your company and lets you consolidate your printer fleet, effectively raising efficiency and reducing service and maintenance costs.

Pull Printing explained

When a user clicks Print on the PC, the document is sent to a SafeCom print server (server printing) or remains on the user PC (Client Printing). Either way the document remains encrypted until the user logs in at a printer or MFP with SafeCom and selects one or more documents to be printed.

Mobility and fleixibility

SafeCom Pull Print allows more flexibility and mobility. Rather than having to rush to the printer each time they click Print, users only go to the printer when they need their documents. If there is waiting time at one printer they can just go to another printer on the network.

At the printer the user logs in and selects the Pull Print button or icon. He/she can now choose from the pending documents to:

- Print all
- Print individual documents
- Select the number of copies before printing
- Delete documents that are no longer required
- Retain documents for later or repeated printing (retained documents will not be printed when print all is selected)

Confidentiality is ensured because documents will not be physically printed until the owner identifies him/herself. The user maintains complete control over his/her output.

The SafeCom Administrator can set documents to be deleted automatically if a user has not printed it within a given time frame (typically a couple of days). Users are notified via e-mail before any documents are deleted.

Self-service

Users can serve themselves via the SafeCom Web Interface. That is a personal web page where users can get an overview of print and copy history through a standard web browser. Employees can also use the SafeCom Web Interface to see a list of their documents on the print server and they can here delete documents that they do not need to print any more without going to the printer. In addition, the SafeCom Web Interface lets users change their PIN-code or generate a new PUK-code.

Savings

Introducing SafeCom Pull Print will noticeably reduce wasted paper and the piles of uncollected printouts in your printer rooms, usually accumulated because the sender sometimes forgets to pick them up. Introducing Pull Print will cut the number of printed pages by an estimated 15% thus cutting the costs of paper and supplies equally.

Pull Print on all network printers and MFPs

Any networked MFP or printer can be SafeCom enabled and offer confidential printing with SafeCom Pull Print. There are two ways:

- The vendor independent **SafeCom Controller** enables Pull Print on any network MFP or printer with an external user interface.
- The vendor specific **SafeCom Go** enables Pull Print integrated into the device user interface on a wide range of MFPs and printers from Canon, HP, Konica Minolta, Lexmark, Océ, Ricoh, Sharp and Xerox

Refer to the datasheets for the above products to learn more about available login methods and technologies.

Encryption is Standard

SafeCom Encryption is a standard feature of SafeCom Pull Print. It guarantees that documents and data are not intercepted while travelling over the network. The SafeCom solution is using various encryption levels and technologies.

SafeCom Encryption works through a local print queue using the SafeCom Pull Port that must be installed on all user PCs. The application encrypts the document before it leaves the PC and is sent to the print server. The encryption is not decoded until the document is loaded in the printer for printing.

SafeCom offers two types of encryption:

- **Control data** is the user information that is sent between the MFP/printer and the server when a user logs in. This includes personal information and can therefore be subject to hard encryption. For this SafeCom uses RSA encryption up to 2048-bit
- **Print data** is the documents users print. For this SafeCom uses either AES (up to 256-bit) or TwoFish (128-bit)

Selected user scenarios

John Smith: 3 documents, 111.02 credits
- 25.00 MySpreadSheet.xls
- 73.00 Microsoft Word - MyDocument.doc
- 25.00 Microsoft Word - MyLetter.doc

PrintAll Back Refresh

Print Retain Delete Info Copies 1_

John Smith: 2 Doc, 20.50 Credits

Document list
- ☑ R 1.10 MySpreadsheet.xls
- ☐ 1.50 Microsoft Word - MyDocument.doc
- ☐ 1.10 Microsoft Word - MyLetter.doc

Print all Back Refresh

Print Unretain Delete Info 1 Copies

John Smith: 3 Doc, 78.85 Credits
- 0.35 MySpreadSheet.xls
- 3.15 Microsoft Word – safecom_go_ricoh_users_guide_20703–01...
- 12.60 Microsoft Word – safecom_go_ricoh_administrators_manu...
- R 0.35 Test Page

Print all Back Refresh

Print Retain Delete Info Copies ▼ 1 ▲

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