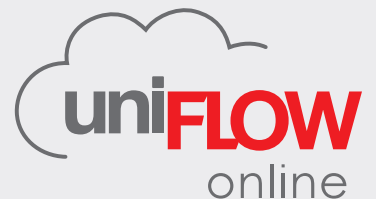# SECURE CLOUD PRINTING
FOR BUSINESS

Simple. Serverless. Secure.

SECURE CLOUD PRINTING FOR BUSINESS

Cloud services can transform how today's businesses work, optimizing processes while reducing capital spending. uniFLOW Online is a secure cloud-based printing solution for small and medium sized businesses designed to manage entire print environments. The solution aims to reduce overall printing costs and increase security.

Are you still sourcing and maintaining server hardware for your print infrastructure?

Are your employees able to print documents securely?

Are you able to provide mobile print solutions to employees?

Are you aware of how much users print, copy, scan, and fax?

uniFLOW Online is the solution that will save costs, increase security and productivity and enable central control of all copying and printing.

Global technology leaders predict that cloud computing will be the first of the three most disruptive technologies to impact the global business-to-consumer marketplace over the next years.[1]

THE CLOUD IS EVOLVING

Cloud computing allows businesses to reassess how their products are designed and manufactured, and review how their customers purchase products and how processes and markets work.

Those organizations that embrace cloud services are driven by opportunities to increase flexibility within their markets and to benefit from computing resources while spending less. In addition, the cloud can rebalance competition between large and small enterprises by equipping small to medium sized businesses with previous unavailable technologies.

IMPORTANCE OF CLOUD SERVICES CONTINUES TO RISE[2]

Cloud investment continues to grow
34% of organizations plan to use cloud SaaS applications by 2017.[2]

Cost, innovation and agility are primary drivers for cloud adoption
Consensus among senior IT professionals is that cloud SaaS solutions offer cost saving, innovation and agility as primary drivers.[2]

Cloud services lead to cost savings
According to a recent Gartner survey, participants were asked to select the top three reasons for considering a public cloud-based model. At an aggregate global level, results show that 44% of organizations responded that overall cost reduction continues to dominate as the main reason for investment when all the responses are rolled up.[2]

[1] KPMG (October 14, 2015): KPMG Technology Innovation Survey 2015
[2] Gartner Survey Analysis: Reaveal Cloud Application Adoption Plans Through 2017 (March 2016 ID#G00269424)

CHALLENGES FOR CLOUD-BASED PRINT SERVICES

Cloud doesn't have to be game-changing in order to be useful. Moving local print management to a fully cloud-based system reduces infrastructure management costs significantly in comparison to current platforms. There are a number of practical challenges for business and IT leaders such as:

How is system security maintained?
Using cloud-based print services can create data-protection challenges.

How to avoid security breaches?
People who share network devices expect their documents to remain private.

How can employees print from their mobile devices?
As mobile device use in business grows, printing just from PCs is no longer sufficient.

How can an organization maintain an overview of printing costs?
Administrators require comprehensive reporting on user behavior.

Approximately 27% of business leaders indicate that security is their primary concern and are the reasoning for not considering public cloud-based models.[3]

uniFLOW ONLINE
SIMPLE, SERVERLESS, SECURE

uniFLOW Online has been developed from the ground up to leverage the benefits of the Microsoft Azure™ cloud platform, providing superior enterprise platform security, scalability, and resilience for small to medium sized businesses.

Local Print Jobs and Regional Datacenters: Secure print jobs stay within the customer's local network, ensuring that documents are always safe. All data remains within the region; it is not exported to other legal jurisdictions.

Increase Document Security: By providing secure access to devices, uniFLOW Online ensures confidential documents will not fall into the wrong hands.

Increase Office Productivity: Employee productivity can be increased by providing mobile printing facilities for users where they are needed.

Control and Reduce Printing and Copying Costs: With uniFLOW Online administrators can track and assess printing, copying, fax, and scanning costs directly in the cloud and allow costs to be allocated to individual users or departments.

[3] Gartner Survey Analysis: Reaveal Cloud Application Adoption Plans Through 2017 (March 2016 ID#G00269424)

UNIQUE uniFLOW TECHNOLOGY
COMBINED WITH AN INNOVATIVE CLOUD PLATFORM

One Single Print Queue

The uniFLOW Universal Driver provides a single print queue that users can print their jobs to regardless of the printer model being used. Print jobs are encrypted and compressed as they are sent directly from the client PC to the printer.

Local Processing of Print Jobs

It's an innovation in enterprise printing. Installed directly on the PC, the uniFLOW SmartClient processes the user's print jobs and keeps them safe until they are released.

Control Device Authentication

The Universal Login Manager is installed directly on the Canon MEAP enabled multifunctional device and communicates directly with uniFLOW Online and the uniFLOW SmartClient. It controls the device authentication process and shows the list of print jobs available to the user.
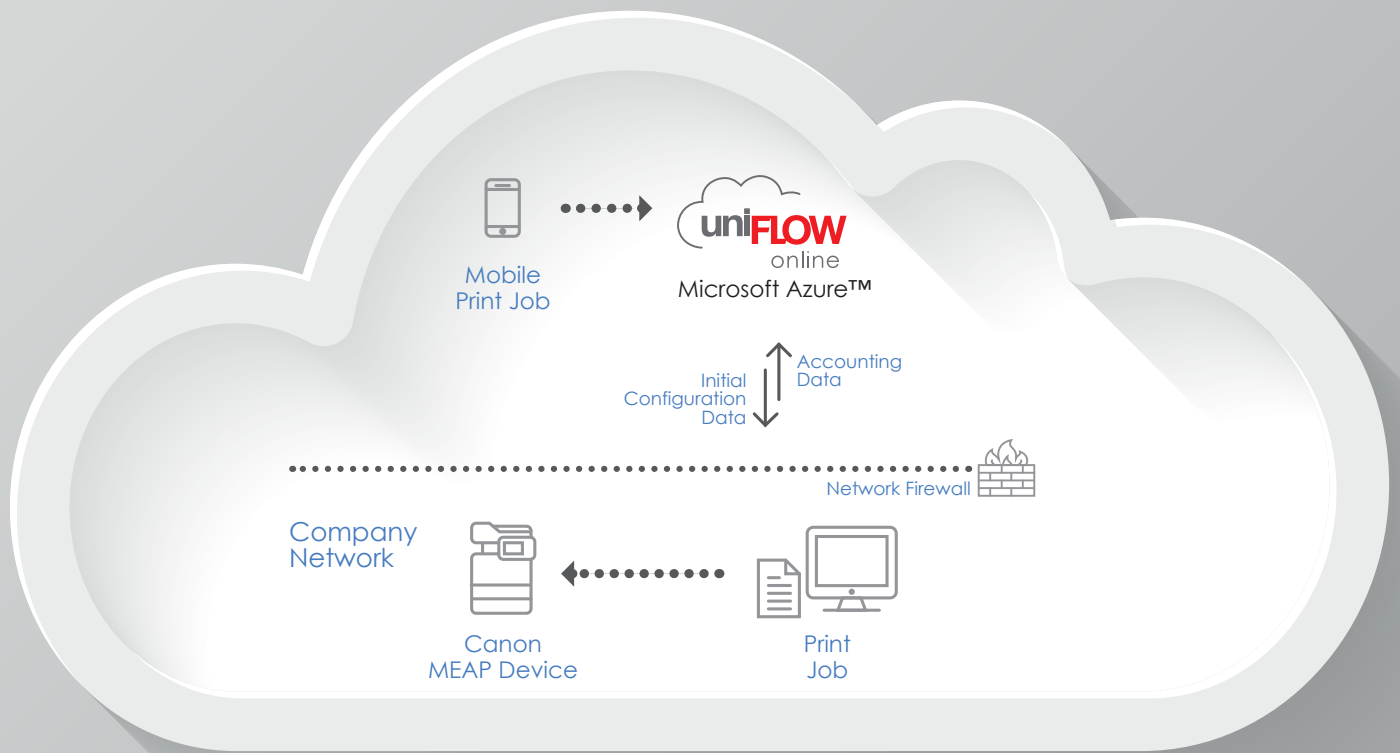
Innovative Cloud Platform

Using uniFLOW Online's innovative technology there is no requirement for a local server. All configuration and management of the system takes place in the cloud, providing administrators with online reporting tools and dashboards.

Furthermore, uniFLOW Online does not store any user credentials, such as passwords. Instead, it uses a claims-based approach to authenticate users, whereby it accepts logon credentials from multiple identity providers. The default provider is Windows Azure Active Directory. Alternatively, administrators can use Active Directory Federation Services (ADFS) to integrate with Microsoft Office 365 or their own locally hosted Active Directory®. In addition, it is possible to make use of shared web identity providers like Facebook, Google, Yahoo!® or Windows Live ID.

uniFLOW online

- Flexible Authentication
- Print Confidential Documents Securely
- Send Print Jobs from Anywhere
- Track Print, Scan and Copy Costs
- Cloud-based Infrastructure

ANSWERING TODAY'S BUSINESS NEEDS
FOR PRINTING

Flexible Authentication

Document security is preserved as a user has to be physically next to a device to gain access to their personal secure print queue. To release print jobs, users simply authenticate using their company proximity card or by entering a PIN code on the screen of the Canon imageRUNNER ADVANCE.

Print Confidential Documents Securely

With uniFLOW Online, users are able to print confidential documents securely. All print jobs stay in a users' personal secure print queue until the user authenticates at a device and releases them. Print jobs follow users from device to device, allowing the release of print jobs on a printer of their choosing. Users can also alter finishing options directly at the device before printing.

Send Print Jobs from Anywhere

Regardless of location, users can use their smartphones or tablets to print documents securely. All submitted jobs appear in a user's secure print queue and are accounted for, charged and managed correctly.

Track Print, Scan, and Copy Costs

uniFLOW Online allows administrators to track their organization's printing, copying, faxing, and scanning costs, enabling the allocation of costs to a user or department. The uniFLOW Online dashboard displays all valuable information regarding the organization's print, scan, and copy environment. In addition, different reports can be created to give detailed user, device, and
sampling summaries.

Cloud-based Infrastructure

Using uniFLOW Online's innovative technology, there is no requirement for a local server. All configuration and management of the system takes place in the cloud, providing administrators online reporting tools and dashboards. For normal print operations, continuous connection to uniFLOW Online is not even required.

In 2015,
12.4%
of total data breaches were paper-based.[1]

IMMEDIATE BENEFITS

Prevent Unauthorized Use of the Device

uniFLOW Online enables administrators to restrict printer access to authorized users only. This prevents any breaches of data and misuse, as the device is locked so that print, scan, copy, and fax functionalities are unavailable to unauthorized visitors or employees.

Increase Document Security

Protecting information is a key to any data loss prevention policy. Should sensitive information such as contracts on staff payroll find its way outside an organization, its reputation and brand image are likely to be damaged and it could incur heavy fines. Using a single driver, uniFLOW Online enables users to print confidential documents securely using any connected device.

Improve Office Productivity

uniFLOW Online enables employees to print from mobile devices giving greater flexibility in office workflows. As well as facilitating new working processes, the print infrastructure provides enhanced support so users can retrieve print results faster and easier. Print jobs can also be modified on demand before being released, saving valuable time.
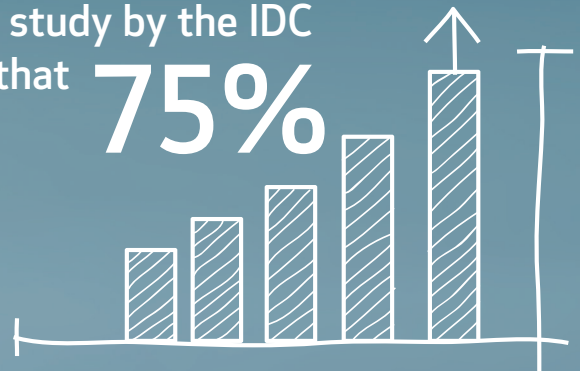
Approximately
35%
of smartphone
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users are currently
unable to print
from their devices.[2]

A recent study by the IDC
showed that
75%

of users say the business value
(of mobile printing) is similar to
PC printing, and another 15%
say it's actually greater.[3]

Gain Control over Costs

The volume of printing that occurs in an office can be surprising. One of the best ways to cut unnecessary costs is to ensure users print only what they need. uniFLOW Online's serverless print management solution helps administrators take complete control of printing and copying activities. It can highlight expenditure by users/ departments and pinpoint areas where costs can be scaled down. Thanks to its unique technology, immediate financial benefits are realized by the elimination of local print servers and reducing the burden on IT departments.

Reduce the Impact on the Environment

uniFLOW Online can help to reduce environmental impact and support sustainability initiatives by optimizing printing procedures and improving internal processes that rely heavily on paper. This solution prevents unnecessary paper waste as users can only print what they need. Finishing options can be changed at a device before printing, saving reprinting and false output. uniFLOW Online can help reduce power consumption of the print infrastructure by eliminating 'Always On' print servers across an entire organization.

[1] cf. Identity Theft Resource Center® (ITRC) (25.01.2016): http://www.idtheftcenter.org/ITRC-Surveys-Studies/2015databreaches.html
[2] cf. International Data Corporation (IDC) (July 2015): https://www.idc.com/getdoc.jsp?containerId=prUS25785715
[3] cf. International Data Corporation (IDC) (July 2015): https://www.idc.com/getdoc.jsp?containerId=prUS25785715

SIMPLE, SERVERLESS, SECURE

uniFLOW Online provides the answer to today's challenges to reduce IT overheads, and improve productivity and security.

uniFLOW Online means **no costs** for local servers and their maintenance.

uniFLOW Online enables your employees to **print all documents securely.**

uniFLOW Online **provides mobile printing** 24 hours a day, 7 days a week.

uniFLOW Online **tracks print and copy costs** and records how users print.

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