

WHITE PAPER

Enterprise Mobile Print Best Practices: 6 Best Practices You Should Know Before Implementing BYOD Printing for Your Enterprise

Introduction

Employees in today's enterprise world are constantly on the go, carrying mobile devices that aid them in meeting their daily work objectives, anytime and anywhere. Without the limitations of a classical work setting, and through the use of mobile devices, employees are now able to complete tasks and duties with great flexibility.

Although traditional printing was once an effective solution, workers in today's workforce need to be able to print without having to constantly look for a desktop with an attached printer. Mobile printing involves the transmission of documents for printing, from mobile devices such as phones and tablets, directly to printing devices!

With workflow efficiency and information security being primary concerns for enterprises across the world, organizations are constantly searching for ways to improve in both areas. Since printing remains a vital day to day tool in every organization, enterprises must ensure that they deploy a simple, cost-effective, and secure mobile printing solution that maximizes employee productivity.

This whitepaper will outline several best practices pertaining to enterprise mobile printing, aiding companies in choosing or improving their mobile printing environment, and enabling cost savings, enhanced resource delivery, and secure, worry-free mobile printing.

Central Management for all Printing Platforms

By allowing administrators the ability to manage the entire printing solution, including mobile, cloud, remote, virtual, serverless, and hybrid, from within one management console, ease of administration can be facilitated, streamlining print management, and allowing administrators to focus on other priorities.

As most companies in the corporate world deploy several different computing environments, such as Citrix, VDI, RDS, Office365, etc., implementing numerous management platforms for each environment can become both complex for administrators, and quite costly for decision makers.

Enterprises should look for mobile solutions that offer centralized, easy to install, user-friendly, all-in-one management platforms for their organizations. Not only do such management platforms help to simplify print management for the purposes of administration, and enable smooth mobile printing, but centralized print management platforms also reduce the cost of having to invest in separate, individual management platforms for each computing environment that an organization deploys.

Adaptability to Existing Infrastructure

Virtual Infrastructure

With datacenter virtualization becoming an increasingly popular trend across organizations in the corporate world, many companies have begun to deploy their datacenters on virtual and cloud technologies, with the objective of reducing costs and simplifying administration and maintenance. Companies that have already engaged in datacenter virtualization should ensure that the enterprise mobile printing solution they are looking to adopt does indeed take advantage of their virtual infrastructure.

Ideally, enterprises should be able to deploy and run their mobile printing solutions through their virtual servers, allowing them to maintain internal control and ensure security of their private and confidential print jobs, from within their organization.

Printers

A successful and effective adoption of enterprise mobile printing should not require companies to change their existing printing equipment. Certain firms may be deploying printers of a single, specific vendor, that may offer vendor specific mobile printing through their printers only, as such, such firms would lose the ability to print from mobile if they were to change or modify their existing printer fleet.

Vendor agnostic mobile printing solutions enable mobile printing to pre-existing printers of any and all makes and models, supporting companies in getting the most out of their existing equipment, while avoiding the significant cost of purchasing an entirely new printer-fleet, solely for the purpose of mobile printing.

Along with being compatible with current printing equipment, ideal enterprise mobile printing solutions should comply with broader network infrastructure, such as routers, smaller sub-networks, security mechanisms, etc., to allow for a seamless adoption and implementation.

BYOD Support

As mobile devices become increasingly popular in today's workforce, user productivity has increased, as workers are now able to access resources and work on their tasks from a variety of locations, and at any time, so long as they are able to obtain a network connection.

An influx of mobile workers are starting to bring their own devices to work, spanning laptops, notebooks, tablets, and smartphones. With workers working at all hours of the day and night, and from remote locations as well as onsite, the perfect [enterprise mobile printing solution](#) should allow printing from any device the user is working with. Enterprises should ensure that their mobile and BYOD policies promote transformation of the enterprise workflow, enhanced productivity, and protection against security risks.

Secure Print Job Routing

With the advent of public cloud printing solutions and their functionality for a variety of mobile devices and printer models, mobile users are often inclined towards printing through the public cloud.

However, enterprises concerned with information security and compliance with data safety regulations should definitely not give employees the option of transmitting print jobs through the public cloud. For example, the healthcare industry is heavily focused on patient confidentiality and data protection. With regulations like the Safe Harbor compliance, regulatory bodies want to ensure that patient data is being stored, transported, and used in a secure manner, and by authorized professionals.

Deploying a public cloud printing mobile solution in a healthcare setting would therefore put patient data in danger of breach and risk the integrity of confidential documents. Enterprises searching for secure mobile printing solutions should ensure that their potential solution implements end-to-end encryption, is functional on their private cloud, and offers output management products that ensure secure print job routing and release.

Compatibility with Existing User Directories or Authentication and Authorization

Enterprises around the world use domain controllers such as Microsoft Active Directory to authorize and authenticate users prior to granting access to secured company assets, including printers. Such directories create and assign access and security guidelines, and enforce these policies upon users across a network.

When looking to adopt a particular enterprise mobile printing solution, companies should look for a solution that integrates with the existing employee directory that is being used, to allow for a secure, seamless implementation of enterprise mobile printing into the existing print environment.

Validate the Adoption of Enterprise Mobile Printing Through Print Analytics

Companies deploying complex enterprise printing environments are constantly searching for ways to save money and simplify print management. An ideal enterprise mobile printing solution offers answers to both of these concerns; however, verification of a successful solution is essential.

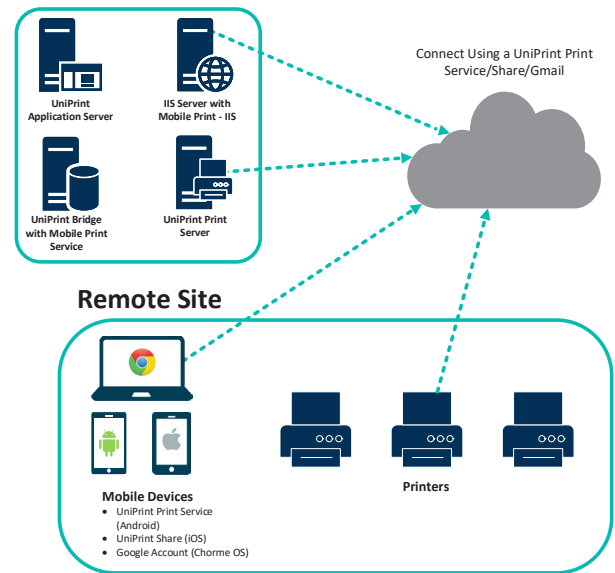
[Print analytics](#) allows organizations to validate and ensure that the mobile printing solution they have chosen is indeed enhancing worker productivity, reducing costs, and simplifying IT management. Print analytics allows organizations to better understand the processes and effects related to document printing, and provides a comprehensive look at the impact that printing has on multiple levels.

Through the use of print analytics, organizations can track how much they are printing, who in the organization is printing, and enable integration of payment systems with print analytics to allow for direct billing to divisions or employees for their printing related expenses.

How Does UniPrint Infinity's Mobile Printing Solution Work?

Directly from their mobile devices, users can print by installing the UniPrint app, which is connected to the UniPrint Mobile Service. The Mobile Service subsequently gives users the flexibility to either print to network printers, or print via secure pull printing technology. As an alternative option, mobile users may also email their print job as an attachment to a dedicated printer email address, and the attachment will print out at that printer.

[UniPrint Infinity](#) offers management of the entire enterprise mobile printing solution infrastructure from a single management console, significantly simplifying IT management and reducing cost.



Conclusion

As mobile devices are rapidly being integrated and used by employees across all industries, senior IT management continue to face problems relating to infrastructure management, security breaches, support for user productivity, etc. Enterprise IT management must look to solve issues arising from mobile device usage and integration, from every possible angle. This includes searching and adopting an effective, simple, secure and adaptable enterprise mobile printing solution.

Try UniPrint InfinityCloud for a FREE 30-day trial and see how easy cloud printing can be

About Process Fusion

Process Fusion is a software company and a cloud solution provider. We help organizations transform inefficient, paper (labor) intensive business processes into a secure, automated, mobile ready Digital First experience for all participants.

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