



True Cloud Printing™

Why a True Cloud Printing solution is
a key factor in your move to the cloud



Why is the cloud so important now?

Cloud has become the top agenda item for business transitioning to an end-to-end digital transformation with the cloud at its core.

Cloud computing offers flexibility, data recovery, little to no maintenance, easy access and a higher level of security. All of which can dramatically improve your ROI and environmental impact of the organization.

- **Cost reduction**
 - Infrastructure reduction
 - Fewer servers and networking
 - Reduced deployment costs
 - Less IT staff required
- **Easier management**
 - multi site, global coverage
 - remote management
 - Software management
- **Reliability**
 - Data recovery
 - Flexibility of bandwidth
- **Increased Security**





How does moving your infrastructure to the cloud affect print?

In a nutshell, if the application you are using is in the cloud, you probably won't be able to print the same way you are used to. In fact, you probably won't be able to print at all.

Since your printers are still behind your firewall and your application is in the cloud, the application will probably not be able to reach your printer unless you can find a way to bridge that communication gap. The solution you choose needs to restore this connection with a simple software installation that doesn't require changes to infrastructure.

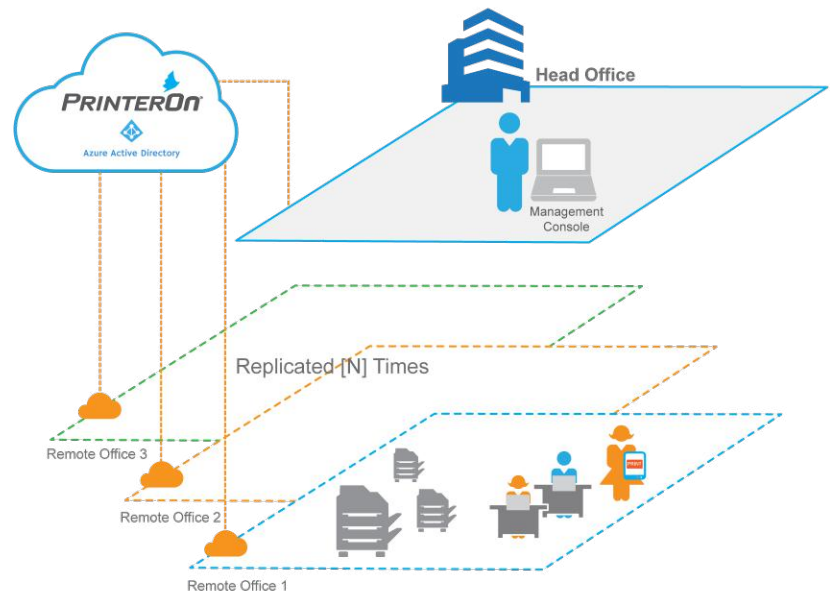
Authenticating users is also more complex, especially for those "outside" the trusted network who want to print to a printer "inside" it.

What is True Cloud Printing?

“True Cloud Printing is the ability to run enterprise-grade secure print services from a cloud platform without any traditional on-premise print infrastructure dependencies.”

So, this means no print servers at your central location and only a Cloud Print Gateway at each remote site. The secure print services run in the cloud. Ideally, user authentication takes place in the cloud too.

A simple Cloud Print Gateway at each location (which actually comes embedded in certain printers) connects the local printer with the cloud services. It's these three pieces that fundamentally enable anyone to securely submit a print request from anywhere, authenticate, and securely release the document to any authorized printer.



[N]= number of remote offices

Cloud Printing Gateway



Aren't all printing solutions True Cloud Printing solutions?

Absolutely not! In fact, it is actually the opposite.

Most solutions aren't really True Cloud Printing solutions. They have significant on-premise infrastructure dependencies, such as a print server in each location, **use web dependencies that are linked to a remote in-house server**, or they can't support cloud-based user authentication (**SSO/AD**), or they require the installation of VPN technology from the cloud to the printers in order to deliver the document.

Or all the above.

So what makes a cloud printing solution a “True Cloud Printing” solution?

Let's take a look at some of the requirements that a solution must meet in order to make the claim that they are a True Cloud Printing solution.

1. The solution must be able to be deployed in any cloud.

Whether it is AWS, Azure or even on-premise in your “private cloud”, the solution should work the same, run the same and be managed the same.

2. The solution must be able to run in the cloud without any on-premise infrastructure dependencies.

The physical location with the printer should only need to enable the printer to securely retrieve the print jobs from the cloud and get them to the printer when the user securely releases the print. That means having an out-bound, secure web connection to the internet—nothing more than a desktop browser has when you access an online shopping site. Ideally, this all takes place inside the printer, but at most, all you should require is a small software component installed behind the firewall that acts as a Cloud Printing Gateway. There are no VPNs and certainly no on-premise print servers.



3. The solution must be able to provide the same services and print methods no matter where it is deployed.

The solution architecture must have been thought out ahead of time to envision cloud deployment in such a way that any user can connect to the internet from anywhere to securely reach the printing services. It must then further rely on the cloud-based printing services to deliver the document to the desired printer and release it when the user wants.

4. The solution must be able to eliminate ALL VPN connections.

End-to-end security should rely on these techniques: cloud-based user authentication, secure web services for communication (TLS), and encrypted data—even at rest. These security technologies are best practice for all modern secure cloud services, and they should be applied to printing as well.

5. The solution must support cloud-based user authentication.

As more and more of IT moves to the cloud, the need to authenticate users from the cloud (instead of on-premise behind the firewall) will increase significantly. In order to enable to print simply anywhere, user authentication for printing needs to move to the cloud too.





PrinterOn is *True Cloud Printing*™

PrinterOn is True Cloud Printing. As organizations move IT to the cloud for improved ROI, streamlined management, and increased user flexibility, and security PrinterOn is the printing solution that enables you to achieve all of this from the cloud, reliably and securely.

And significantly, True Cloud Printing is not new to PrinterOn. It was built for the cloud from the very beginning back in 2001. Today PrinterOn is leveraging its technology and years of cloud experience to extend secure cloud printing workflows to any printing situation for any organization.

Whether you need to:

- Provision “off-network” locations with secure remote printing
- Enable secure mobile printing from anywhere for groups
- Introduce cloud-based SSO and identity management
- Launch pull printing on a global scale
- Provide a cost-effective Citrix printing (VDI) solution
- Reduce support calls by eliminating print driver management

PrinterOn has got you covered.



We can take you directly to the cloud right now, or, if you prefer, start on-premise then migrate to the cloud later when the time is right. It's a smooth progression. No dead-end software. No rip and replace. Just a service migration when you are ready.

Contact us today and talk to our secure cloud printing experts about how PrinterOn can free you from the complexity and costs of traditional printing with a True Cloud Printing solution that gets you to the cloud quickly, securely and without disruption.

Get a FREE consultation

info@PrinterOn.com





PrinterOn is the premium cloud printing solution that enables users to securely print from any smartphone, tablet, laptop or desktop, to any printer, no matter the networks in between. With PrinterOn you can “Print Simply Anywhere®”.

Today PrinterOn has the broadest and deepest secure mobile print offering available for cloud or on premise deployment. This is a direct result of cumulative product innovation and evolution since 2001 when PrinterOn pioneered secure mobile printing.

Today PrinterOn is deployed in over 100 countries and has printed well over 100 million pages.

www.printeron.com

