PRINTERON®

PrinterOn Enterprise
Mobile Printing Platform

PrinterOn Enterprise:
Mobile Printing - Bridging of Disparate Networks

By enabling print services across disparate networks, PrinterOn Enterprise reduces the need for extra network infrastructure and support while simultaneously enabling print services that were not previously possible.

Now any enterprise user with access to a network connection and the Internet can print to any enterprise printer they want.

Challenge - Mobile Device on One Network, Printer is on Another

A common question from enterprise users is this:

How can I print from a mobile device on one network to a printer on another network?

On the surface this is a simple concept. Upon inspection, it proves challenging to implement. The reason? Virtually all enterprise software applications are written assuming print functions happen entirely on the local area network (LAN). Enterprise networks do not have the infrastructure or services to support printing any other way.
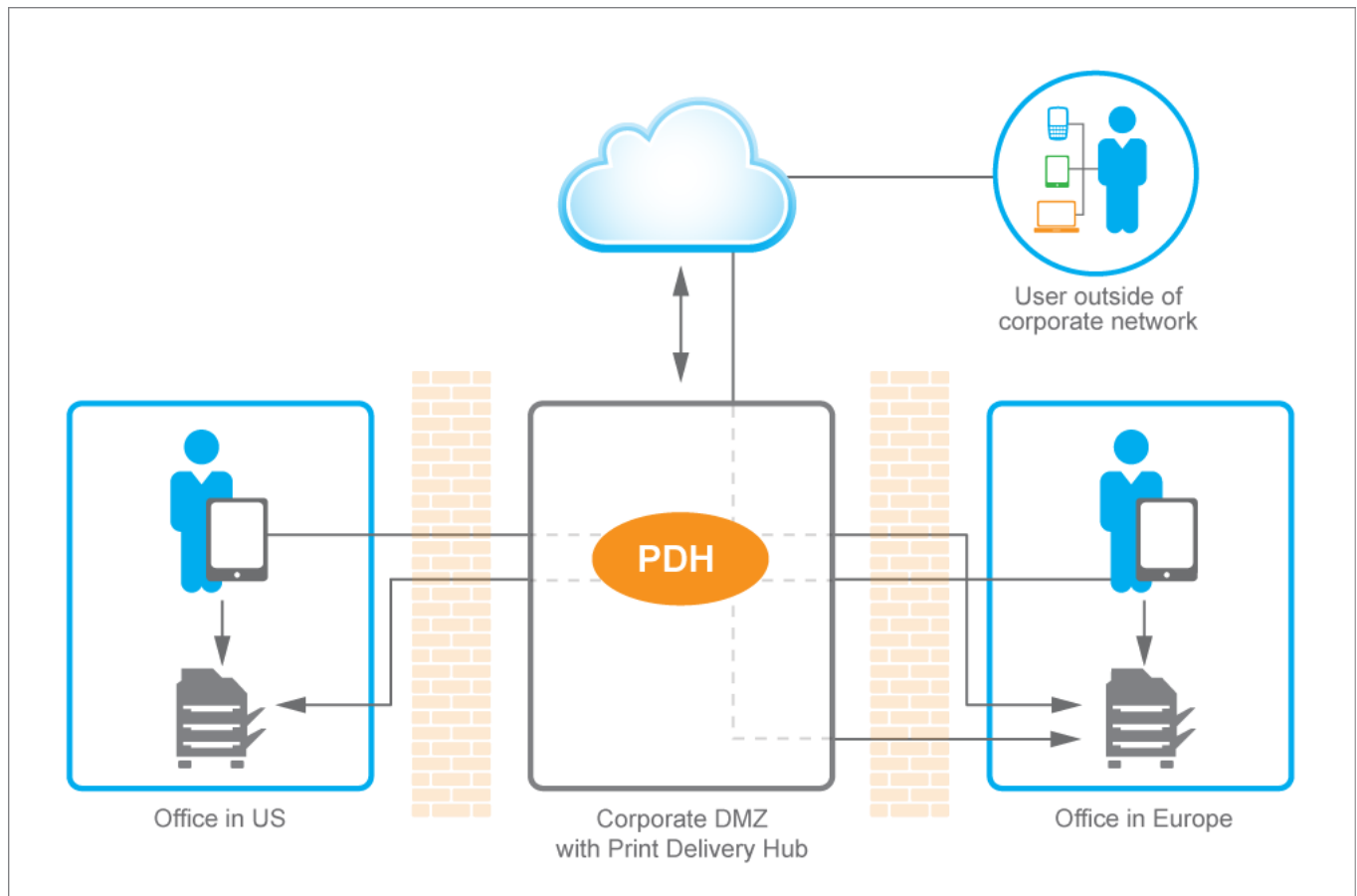
Solution - Bridge Disparate Networks

PrinterOn Enterprise, the enterprise printing solution from PrinterOn, solves this problem by bridging disparate networks to enable mobile users to Print Simply Anywhere®. How? By utilizing a patented protocol from a behind-the-firewall component, PrinterOn Enterprise enables any print requests from any mobile or fixed device to be routed to any printer configured on the PrinterOn Enterprise mobile printing service.

Deployment Configuration Example

What does this network configuration look like? The diagram below depicts the components of PrinterOn Enterprise deployed on the network so that it supports remote printing from multiple locations across disparate networks.

Users simply print as usual and PrinterOn Enterprise print services do the rest.

Diagram 1: The PrinterOn Print Delivery Hub (PDH) is the specific piece of software within PrinterOn Enterprise that connects enterprise printers across multiple networks. The PDH may be deployed on the "Internet" or on a common network segment accessible from multiple internal networks.

Customer Success Story

About the Customer

A worldwide Enterprise organization that operates a large central corporate office complex in addition to supporting a large number of small office locations across multiple continents.

Challenge

The goal was to enable end-user mobile device printing from a centrally managed print infrastructure including support for Citrix thin-client printing at remote offices.

Corporate requirements dictated a "zero-infrastructure" integration of printers and MFPs at these remote locations and no new network infrastructure (such as VPN).

Solution

This customer integrated PrinterOn Enterprise with a corporate print management server to provide corporate printing and tracking capability. Ricoh HotSpot MFPs powered by PrinterOn (embedded solution) were deployed at the main corporate office location. The remote office locations use Citrix-based thin clients and are supported by the central PrinterOn service.

The proof-of-concept included configuration of PrinterOn Enterprise as a central service supporting Citrix remote printing and integrated MFP printing using the Ricoh HotSpot MFPs. The rapid deployment model of the PrinterOn/Ricoh solution enabled quick set-up across all of the remote office locations.

The next phase introduced integration with their print management system.

The final phase involved the integration of Citrix printing client and the connection of print devices at the remote offices.

Future Plans

A future phase may include an extension to the original project to integrate support for mainframe-based printing to the remote locations.

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