

Off-Network Printing

Overview

[Off-Network and Off-Network Cloud Printing](#) facilitate print access for remote employees, contractors, and partners while mitigating direct access to the secure network. IT teams can maintain network security for the printers and infrastructure that reside on them by giving employees print access to designated off-network printers on an isolated network that accepts remote print jobs without leveraging VPNs.

How is Off-Network Printing typically used in other organizations?

Off-Network and Off-Network Cloud Printing are prime solutions for hybrid organizations looking to implement Zero Trust. For example, healthcare organizations, construction crews, manufacturers, and more can accept print jobs from employees located anywhere to printers in the main office, affiliate clinics, remote job sites, or other third-party locations.

How do my off-network documents travel across the system?

Two main components of Off-Network Printing handle secure routing over public networks:

The External Gateway receives off-network print jobs from remote workstations that can either be hosted as a service in AWS by Vasion Print or in your environment with a Secure Socket Layer (SSL) certificate.

The Internal Routing Service, hosted by a Service Client, maintains a constant connection with the External Gateway to watch for print jobs. When the External Gateway receives a print job, the Internal Routing Service opens a new connection, then downloads and delivers it to the designated off-network printer.

What is the difference between Off-Network and Off-Network Cloud Printing?

Off-Network Cloud Printing (ONCP) eliminates the need for an Internal Routing Service running on Service Client infrastructure. Instead, an ONCP application, installed on your printer, communicates with the cloud storage microservice in a Vasion-hosted cloud, where your print job is encrypted at rest, and downloads a document when the printer is ready. This is a key solution for any organization looking to reduce or eliminate on-premise infrastructure currently active in their environment.

How does Off-Network Printing support Zero Trust?

Zero Trust levels the playing field for all employees and demands verification from everyone. It begins with a policy of granting access based on user identity, the device, and other attributes that provide context. With Off-Network and Off-Network Cloud Printing, all employees are on a separate network from where data servers and printers reside but can still access the organization's internal printers.

Zero Trust appeals to organizations looking for flexible and adaptive ways to serve business ecosystems, including all types of employees, contractors, and partners.¹

How can I host Off-Network Printing?

The preferred method amongst many organizations is for Vasion Print to host the External Gateway in AWS or Azure because it simplifies configuration for IT teams as they only need to set up the Internal Routing Service inside the organization's network. Off-Network Cloud Printing follows the [Vasion-hosted model](#) as documents are encrypted and rest in the Vasion-hosted cloud before printing. You can also [self-host](#) the Gateway on an SSL certificate on your network or in a Vasion database.

If desired, you can implement a hybrid model of both configuration methods for improved business continuity and flexibility for your environment and security requirements.

Which print manufacturers support Off-Network Printing?

Off-Network Printing is a printer-agnostic solution, so you can easily turn any printer in your fleet into an off-network device for your remote users. Off-Network Cloud Printing currently supports FujiFilm, FujiXerox, Lexmark, Kyocera, and Ricoh MFDs.

Visit our [supported manufacturer's webpage](#) for an updated list of printers supported by our Control Panel Application.

What type of print protocols are supported by Off-Network Printing?

Both Off-Network and Off-Network Cloud Printing exclusively use RAW printing on Windows, Linux, and Mac operating systems.

Can I print off-network print jobs from my mobile device?

Your remote users can print documents from a mobile device via the Mobile App from any location to an off-network printer to provide even more flexibility to print at their convenience. This functionality, available with standard Off-Network Printing, leverages an Internal Routing Service. This service is currently unavailable for Off-Network Cloud Printing.

¹ Gartner, Inc., [Market Guide for Zero Trust Network Access](#), June 8, 2020

Can I hold and release my document at a networked printer if I'm in a remote location?

You can hold and release your off-network print jobs if you are away from the main office and need to pick them up at another time via our Secure Release Printing feature. Secure Release Printing provides a vital layer of security that protects printed documents in the tray from accidental pickups or wandering eyes.

Secure Release Printing is available in the Advanced Security Bundle with Off-Network Printing.

Will print jobs print if the workstation that initiated a job is offline?

Off-Network Cloud Printing supports secure release while the workstation is offline. Document files are encrypted at rest in the cloud until the user authenticates and releases the job at the printer. The ONCP app retrieves and downloads the document files for printing at that time.

How is Off-Network Printing licensed?

[Off-Network Printing](#), [Secure Release Printing](#), and [Offline Secure Release](#) are all available in the [Advanced Security Bundle](#). All features enhance print security and address [Zero Trust](#) initiatives while empowering employees to print conveniently from anywhere. [Schedule a demo](#) with a Vasion representative to learn more about secure and remote printing capabilities.