Tungsten
# Printix™

## Cloud Print Management Service Overview

TUNGSTEN AUTOMATION



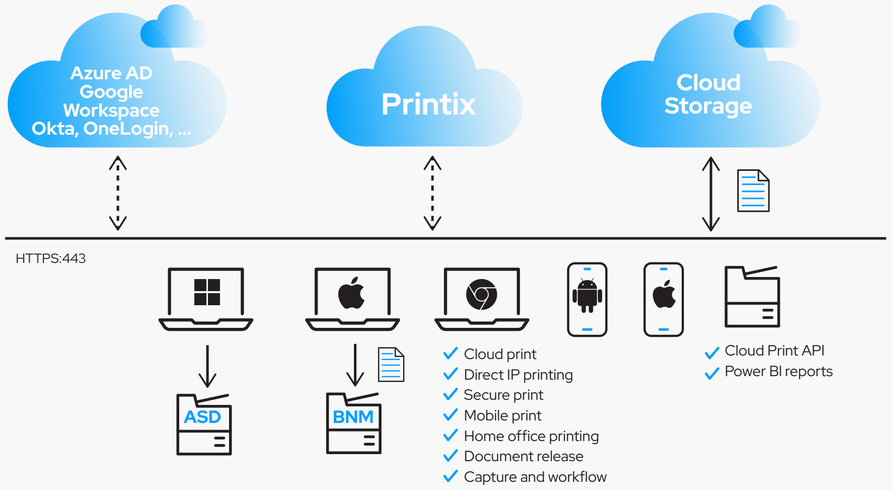
Solution Overview

# Tungsten Printix Cloud Print Management Service

## Cloud-based print infrastructure and secure printing

### Description of Printix

Printix Cloud Print Management Service is a cloud-based multi-tenant subscription service especially designed and structured to provide a **complete cloud-managed print infrastructure and secure printing environment**, that guarantees efficiency, productivity and cost savings. No on-premise servers and databases are required. It runs with Printix Client software installed on users' computers (Windows and Mac).






## Feature Overview

Make printing a part of your cloud-first strategy. Say goodbye to print servers and hello to an automated print infrastructure. Printix supports Single Sign-On with Microsoft Azure AD and can be deployed with Microsoft Endpoint Manager. Our powerful cloud technology is scalable by design and can handle any number of users and printers. Printix gives you flexible, secure and mobile printing, and you can automate print driver and queue management and eliminate the need for a print server.

- **Serverless print infrastructure**
- **Printer vendor agnostic**
- **Central print queue and print driver management with driver store in the cloud**
- **Microsoft integration**
- **Google integration**
- **Authentication with identity providers: Okta and OneLogin**
- **Central web-based management**
- **Delegated print management**
- **Secure Print and Mobile Print**
- **Secure Print with card or ID code**
- **Home Office Printing**
- **Capture and workflow**
- **Analytics and reports**
- **Cloud Print API**
- **Supports Windows, Mac, and Chrome OS**
  - **Print from phones and tablets – Android and iOS/iPadOS**
  - **Print from Linux computers via Chrome browser**
  - **Release documents from phones, tablets, and computers' web browser**
  - **Use phone to scan printer's QR code, or read the printer's NFC tag**
  - **Sign in at printer to release documents and access multifunction printer (MFP) functions like Copy, Email, Scan, ...**
- **Supports Azure Virtual Desktop (AVD), Citrix and RDS**
- **Supports zero trust networks**
- **Integrates with Universal Print by Microsoft**
- **Cloud-Agnostic S3 Compatibility**
- **Windows Arm Processor Support**

## Cloud-Native Architecture: Built for Resilience and Scale

Printix is cloud-native by design—built as a set of Docker microservices orchestrated by Kubernetes. That architecture delivers enterprise-grade resilience, elastic scale, and faster innovation without the technical debt and downtime patterns common in "lift-and-shift" print platforms.

- **Kubernetes-orchestrated, container-based services:** Higher availability through built-in redundancy and automated failover; fewer outages and less operational drama.
- **Elastic scaling with zero-downtime design patterns:** Consistent performance as usage spikes across regions, sites, and remote workers, without manual capacity planning.
- **Microservices that scale independently:** Better stability and faster feature delivery because components can be updated and scaled without impacting the whole system.

## Serverless Print Infrastructure

Our powerful technology can handle multiple sites and separate networks. You do not have to concern yourself with print server scalability, capacity planning and VPN. There is no manual effort involved in maintaining Printix Client, as it will silently update itself to the latest approved version. Print processing is done locally on the computer, so no additional network traffic is needed to transfer print data to a print server. Printix Client can convert existing print queues.

## Driver Store

Printix maintains a global driver store with Windows and macOS print drivers. When you start to use Printix Client, it will automatically upload native print drivers and put them in your Printix driver store. If there is no dedicated print driver for a printer, then an appropriate Universal print driver may be used.

## Central Web-based Management

With Printix Administrator you can configure Printix and centrally manage your printers, print queues and print drivers from a web browser. Minutes after a printer has been unboxed and connected, it can be added to Printix via phone, tablet and computer. You can have print queues automatically added and removed on users' computers and you can set default printer.

## Delegated Print Management

Delegate the responsibility for the management of printers and print queues to the IT personnel at the local site by giving them the role as Site manager.

## Self-Service

Automatic registration of users the first time they sign in to Printix with their Microsoft or Google Workspace work or school account. If needed, you can use Groups to grant exclusive access to printers and deploy printers based on users' group membership. We promote self-service to users, so they can add the printers they need to work efficiently. That way, you do not have to deal with group policies for printing.

## Easy Printer Identification

Printers are easily identified by their three-letter ID. No need for users to know the printer's IP address, share name or print driver. To make it easy for users to identify printers, you can print and mount printer ID signs with QR codes or NFC tags at the printers.

## Secure Print

Allows you to print confidential documents. Just wait until you are at the printer and then use Printix App on your phone to release your documents. Printix App is available as a native app for Android and iOS/iPadOS phones and tablets, and as a web app that runs in a web browser on your phone, tablet and computer. If Printix Go is installed on the printer, then you can sign in with card or ID code and release documents from the touchscreen control panel of the printer.

### Secure print methods

- **Print later**

The perfect choice if you need to print confidential documents with finishing options and want to ensure your documents print exactly as you expect them to. The document is processed using the matching print driver. Document is kept until you decide to release the document. The document can be released to the printer it was printed to.

- **Print anywhere**

The Printix Anywhere print queue allows users to roam between printers and collect the document at the printer they choose. When you submit a document to a Printix Anywhere print queue your document is always kept until you decide to release it. Document is sent as PDF, except if the printer does not support PDF printing or Process PDF/XPS is checked. In this case, the PDF document is processed using a matching print driver. For users who do not care about finishing options, the Printix Anywhere print queue could very well turn out to be the only one they need on their computer.

### Must print securely

- Prevent users from submitting documents directly to printers.
- Can be set for all users or selected users via group membership.

### Print later by default

- Make print later the preferred print method.
- Can be set for all users or selected users via group membership.

### Secure print levels

- Control that users are physically present at the printer to release their documents. You can require users to identify the printer by scanning the printer's QR code (level 1), NFC tag (level 2) or Sign in at printer (level 3).
- A minimum secure print level can be set for all users. By default (level 0) users can select the printer in Printix App on their phone, tablet or computer.
- A higher secure print level can be set for selected users via group membership.

## Reprint

From your phone or tablet you can reprint those of your documents that were deleted or printed within the previous 12 hours. Even documents you printed directly to the printer, can be reprinted without going back to your computer and submit them again.

## Mobile Print

Print from Android and iOS/iPadOS phones and tablets to Printix managed printers enabled for mobile print.

## Home Office Printing

Enable employees to print on home office printers when working from home on their company laptop. This gives the employee the flexibility to review, make notations and proofread documents on paper rather than in pixels on the screen.

- Data is collected showing what was printed on the printer at home and can optionally be used to reimburse the employee for printing.
- Any existing print queue for the home printer remains untouched and can be used for personal printing (data is not collected).

## Printix Chromebook

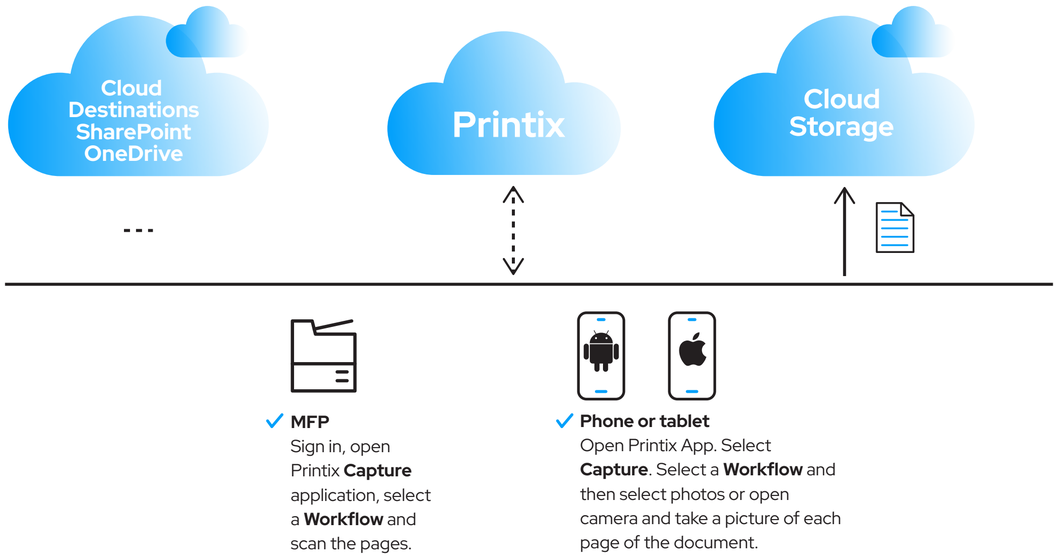
Print to Printix managed printers from Chromebooks and computers with Google Chrome.

## Capture and Workflow

On selected multifunction printers (MFPs) with Printix Go, you can enable and use Printix Capture to deliver scanned documents to your selected workflow destination. Alternatively, use Printix App on your phone to Capture and deliver images as Word or PDF documents to your selected workflow destination. Tungsten Optical Character Recognition (OCR) cloud technology is used to digitize your paper documents and deliver these as searchable PDF or Microsoft Word files. Workflow destinations include:

- Email
- Microsoft OneDrive
- Microsoft SharePoint Online

Use Printix Administrator to create workflows. A workflow can be made available for all users or selected users via group membership. A Workflow is configured as a Source, a Destination, File name, and settings for Scan, File type (PDF, Microsoft Word), Language for OCR use, and Image processing.




✓ **MFP**
Sign in, open Printix **Capture** application, select a **Workflow** and scan the pages.

✓ **Phone or tablet**
Open Printix App. Select **Capture**. Select a **Workflow** and then select photos or open camera and take a picture of each page of the document.

## Cloud Storage

Printix goes beyond dual-cloud support and is truly cloud-agnostic with an S3-compatible architecture that supports integration across:

- **Public cloud providers**
- **Private cloud infrastructure**
- **Hybrid deployments**
- **Edge environments**

Whether you're using AWS, Oracle Cloud, MinIO, or a combination of platforms, Printix enables secure, seamless document output and blob storage across any S3-compatible object storage

## Analytics and Reports

Setup analytics so you can interact with the Printix Power BI report to get insights.

## Identity Providers Okta & OneLogin

Enabling Single Sign-On (SSO) for your domain within Printix allows your users to log in to their accounts easily and securely. Printix supports authentication with Okta and OneLogin as Identity Providers.

## Cloud Print API

Intended for use by applications that wish to push print jobs in printer native or PDF format into a Printix print queue. You can access the API documentation at printix.github.io.

## Printing

The secure and flexible methods of printing with Printix are achieved by having Printix Client temporarily store print data encrypted on the computer and informing Printix Cloud about the document. Users can print directly (as usual) or they can print securely and release documents from Printix App on their phone, tablet and computer. Pending documents can also be stored in your own secure cloud storage (Azure Blob Storage, Google Cloud Storage, or S3-compatible blob storage).

## Revenue-Driven Printing: VPN-less ERP Output to Endpoints

Printix goes beyond commoditized office printing by enabling secure, VPN-less delivery of ERP-generated documents, like labels and invoices, directly to distributed endpoints. This cloud-native approach eliminates the need for print servers or VPNs, streamlining deployment and reducing support overhead.

By integrating with hosted ERP, logistics, and healthcare systems, Printix ensures that print is a seamless part of your revenue chain. The result is faster, more reliable output for revenue-critical workflows, lower operating costs, and higher margins, making every print job a driver of business value.

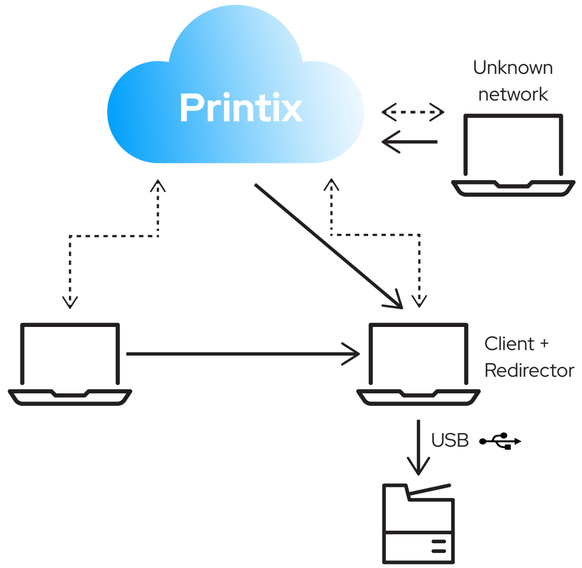
## Enable Third Party Pull Printing

If you have a third party Pull Printing solution, you can still benefit from Printix and printing to so called Follow/Pull print queues from PaperCut, SafeCom, Equitrac and similar.

Users can continue using existing card readers to sign in and release documents from the enabled printers' touch-screen control panel. Printix allows you to automatically install the Follow/Pull print queues on the users' Windows or Mac computer. Optionally you can allow users to submit documents from home and while travelling.

## Enable USB Printing

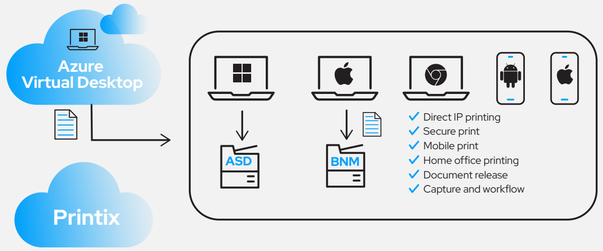
Printing to locally attached USB printer. Use Printix Redirector to enable printing to a locally attached USB printer.




## Azure Virtual Desktop

Printix printing is also possible if you use Azure Virtual Desktop (AVD).

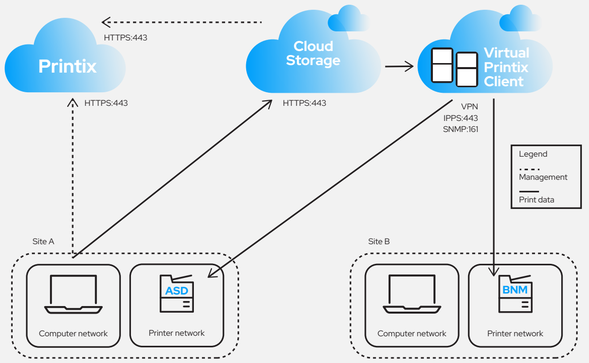
In order to take full advantage of Azure Virtual Desktop, and provide a great end-user experience, a core component is solving how to conveniently connect users to printers with minimum effort and maximum reliability. With Printix, you can ensure that you get the most out of Azure Virtual Desktop through SSO, silent configuration, updates and continuous monitoring of your print environment.




## Strong Security Credentials and Zero Trust Support

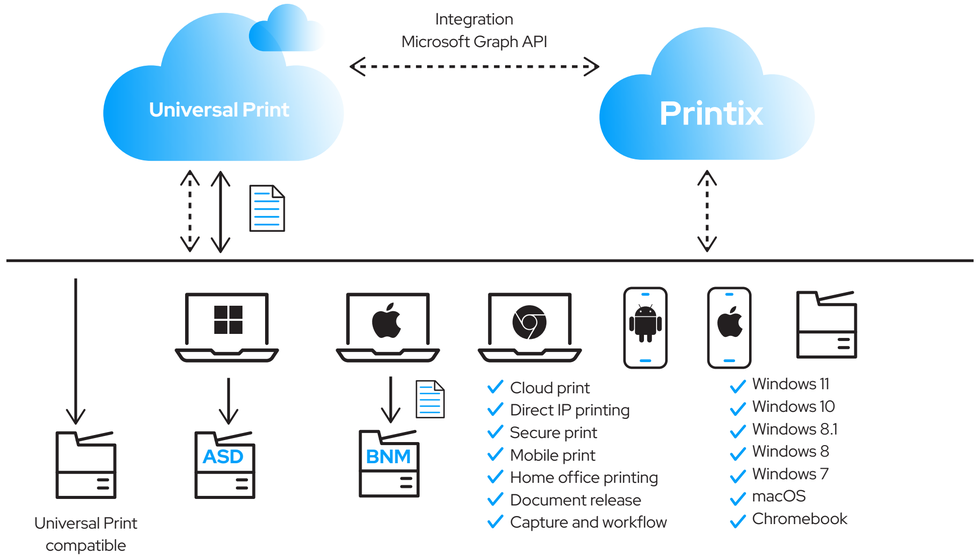
Security is a key focus. Documents are encrypted (AES with a key length of 256 bits) and stored locally until the y expire and/or get deleted. They do not leave the customer's network unless using print via the cloud is enabled (i.e. pending documents are stored in the customer's own secure cloud storage), and document names can only be seen by the owner of the document.

Printix supports **zero trust networks**. Printing still works if there is no physical computer with Printix Client online on the printer network or if printers and computers are kept on separate networks (Zero trust).



## Integrates with Universal Print by Microsoft

Printix integrates with Universal Print by Microsoft and runs on Microsoft Azure. Microsoft Graph API integration connects Printix and Universal Print to a single managed cloud service with extended features, security, management, and reporting. As an advanced option, Printix provides customers with direct print via Printix Client, so Universal Print can be used on existing printers without using the Universal Print connector on a local machine and without an expensive server. This also keeps print local to minimize traffic and prevent conversion in the cloud.



## About Tungsten Automation

Tungsten Automation, formerly Kofax, is the global leader in intelligent automation solutions with a trusted legacy of nearly 40 years, with a team of 2,000+ employees in 40 countries, serving 25,000+ global customers. Our dedication to innovation and customer success has earned us industry recognition, including being named a leader in Intelligent Automation (IA), Intelligent Document Processing (IDP) and Process Orchestration by top analysts. We are trusted to help businesses gain unprecedented efficiencies and reduce costs through AI-powered workflow automations that propel their businesses into the future.

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