



BUSINESS CLOUD PRINTING

Nebulas Cloud Printing

From the cloud to the right printer. No manual hand-offs.

Nebulas Cloud Printing connects business software to local print queues — documents reach authorised workstations, print on the exact queue, and return a verifiable result.

The cloud ends three metres from the printer.

The management system lives in the cloud; the delivery notes, labels and invoices come out of a printer under a desk. In between: someone downloads a PDF, finds the right printer, picks the right tray — for every single document.

It's the last unautomated metre of a digital process. It costs minutes every time, fails silently, and **nobody can prove whether that document actually printed.**

If you can't prove it printed, you can't automate anything that depends on it.

Sound familiar?

- PDFs downloaded and printed by hand
- Wrong printer, wrong tray, wrong paper format
- No proof a document ever printed
- Exposed print servers or fragile VPNs
- Shared credentials saved on workstations
- Duplicates and reprints under time pressure

TODAY

Download PDF

Find printer

Pick tray

Hope

Manual, unverified, repeated all day.

WITH NEBULAS CLOUD PRINTING

App creates PDF

Gateway protects

Client claims

Status returns

Exact routing. Verifiable result.

The printer stays local. Control stays central.

A resident Print Client on the workstation talks **outbound only** to the Nebulas Print Gateway — no inbound ports, no exposed print servers, no VPN gymnastics.

The business application creates the PDF and names the destination queue; the gateway keeps the job tenant-isolated and available only to authorised devices; the client claims it exactly once and prints to the precise Windows, macOS or Linux queue; the result — PRINTED or FAILED — closes the loop with a verifiable outcome.

**Every job ends in a fact:
PRINTED — or FAILED, with the
reason.**

Atomic claims prevent duplicates; retries recover interruptions.

Four steps, one closed loop

01

App creates PDF

The application generates the document and selects the destination queue.

02

Gateway protects

The job stays tenant-isolated, visible only to authorised devices.

03

Client claims & prints

The resident client claims once, prints to the exact local queue.

04

Result returns

PRINTED or FAILED goes back to the cloud — provable, auditable.

Route by site, printer, tray or paper format — delivery notes to the warehouse, labels to the label printer, invoices to administration.

What Nebulas Cloud Printing takes care of.

01

Exact routing

The right queue, tray and paper format — every time.

Send work to queues configured for site, printer, tray or format. The warehouse gets its delivery notes, the label printer its labels — without anyone choosing from a dropdown.

02

Duplicate protection

One document, one print.

Atomic job claims guarantee that two clients never process the same document — no double labels, no duplicate invoices in the tray.

03

Automatic recovery

Temporary failures retry themselves.

Jobs retry after temporary failures and resume after network interruptions — the queue drains itself when the connection returns.

04

Operational status

Heartbeats, timestamps and bounded errors.

Client activity is visible and verifiable — you can check what's alive, what printed, what failed and why, from the cloud side.

05

Security model

Identity per device, least access by design.

Each workstation gets a dedicated grant after user approval with strong MFA. Renewal tokens live in Windows DPAPI, macOS Keychain or Linux Secret Service. No cloud credentials are stored on the PC; access tokens are short-lived; tenants and devices stay isolated.

06

Platforms

Windows-first. Ready everywhere.

Windows x64 (signed MSI, registers in Startup Apps without elevation), macOS Apple Silicon and Intel (DMG), Linux (DEB and portable archive) — with the Java 17 runtime bundled. Prints PDFs to any OS-installed queue; requires outbound HTTPS only.

Downloads with SHA-256 checksums · releases published on GitHub

The trust boundary

IN THE CLOUD

Business app

Print Gateway

Tenant isolation

Job protection

Central control, policies and verifiable status.

ON YOUR PREMISES

Print Client

Local queues

OS credential store

Outbound HTTPS only

The printer never touches the internet. The client reaches out — nothing reaches in.

Built for IT to say yes.

A

No inbound doors

Outbound HTTPS only. No open ports, no exposed print servers, no VPN needed for printing — the attack surface a firewall administrator hopes for.

B

Identity per device

Every workstation is authorised individually — a dedicated grant approved by a user with strong MFA, revocable at any time, with credentials protected by the operating system's own store.

C

Proof, not hope

Every job ends in a verifiable PRINTED or FAILED — duplicate-safe, timestamped, auditable. Processes that depend on paper can finally be automated.

Pilot it in an afternoon

1· Install the package on a workstation with printer access. 2· Sign in and approve the PC (login + MFA in the browser). 3· Verify discovered printers and confirm queue names for your rules. **Then watch the first verifiable PRINTED come back.**

The last metre of every flow.

Cloud Printing serves any Nebulas module that produces paper — closing digital flows with a physical, verifiable result.



Nebulas ERP

Delivery notes to the warehouse printer, labels to the label printer, invoices to administration — straight from the document flow, with status back in the ERP.



The whole platform

Any Nebulas application with the Cloud Printing module enabled can route documents to exact local queues — same users, same rules, same verifiable loop.

In the field

An optical lenses distributor prints lens envelopes automatically — the right tray, on the right printer, at each location — along with transport documents and courier cash-on-delivery sheets. **Operators stay on the lenses; the paperwork prints itself where it's needed.**

And when standard isn't enough: custom software, systems integration and managed cloud — one joined-up team, one point of contact, since 2001.

NEXT STEP

Close the last metre.

Pilot it on one workstation and one printer. Contact us to enable the module, define the queues and see the first verifiable result.

Discover Cloud Printing

Architecture, security and downloads.

cloud-printing.nebulas-software.com

Download the client

Windows, macOS and Linux packages — checksums included.

[Get it from the product site](#)

Talk to us

Enable the module and plan the pilot.

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