
Release Notes - Zebra Cloud Print API Version 1.0

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Description

This is the initial release of the Zebra Cloud Print API. Please review these notes for applicability to your situation before beginning integration.

Introducing the Zebra Cloud Print API, the direct successor to our legacy SendFileToPrinter (SFTP) service. Designed to deliver an easy-to-use solution for web-based cloud printing, this new offer is now available through the Zebra Nucleus application. By transitioning access away from the developer portal, we have eliminated previous administrative hurdles, allowing users to seamlessly onboard printers and immediately connect them to their Nucleus tenant.

New and Enhanced Features

- Cloud-Based gRPC API: Enables simple and secure cloud-based printing from any location for Zebra Print DNA printers.
- Bidirectional Printer Status: Move beyond "fire and forget" with real-time visibility. Receive printer's status—verifying online/offline states and catching specific warnings like "paper out" or "head open"—when sending a file.
- Print Job Controls & Tracking: Easily track the progress of print requests from start to finish.
- Job Cancellation: New ability to cancel a submitted print job before it reaches the printer, ensuring operational efficiency and reducing material waste.

Changes from Previous Version

This is the initial release. (Note: For legacy users, this service directly replaces the SendFileToPrinter (SFTP) service. Access is now managed via Zebra Nucleus rather than the Zebra Developer Portal).

Device Compatibility

Supported Printers:

This software release is for printers running Link-OS v5.0 (or later), including the following printer series:

- ZT200 Series, ZT400 Series, ZT500 Series, ZT600 Series

- ZD400 Series, ZD500 Series, ZD600 Series
- ZQ300 Series, ZQ500 Series, ZQ600 Series
- ZE5x1 Series
- ZR Series

Exceptions:

- This release is globally available with the exception of China.

Installation Requirements

- **Zebra Nucleus Tenant & Licenses:** Customers must have a Zebra Nucleus tenant. Zebra Nucleus device licenses are a prerequisite for purchasing and activating API licenses.
- **API License:** A Zebra Cloud Print API license must be purchased as an add-on on a per-device basis (contact Zebra Sales).
- **Admin Console Requirements to work with the Nucleus device management system:**
 - Computer with Windows 10 or later
 - Google Chrome (v101.0 or later) with pop-ups enabled
 - An active account on Zebra.com
 - Firewall or network proxy server configured as required by supported devices
- **Supported Devices:** Link-OS v5.0+ printers (see Device Compatibility section).

Installation Instructions

Phase 1: Licensing & Nucleus Setup

1. Log into Zebra Nucleus: Create and access your tenant space via the Admin Console. See [Logging into Zebra Nucleus](#) in the user guide.
2. Apply Licenses: Activate your purchased Nucleus and Cloud Print API licenses within the application. See [Adding and Applying a License](#).

(Note: Initial integration can be tested using the free 50 calls/day tier).

Phase 2: Legacy SendFileToPrinter (SF2P) Migration

For existing SF2P users transitioning to the Cloud Print API:

1. Configure Weblink: Point your printers' built-in Weblink settings to your Zebra Nucleus customer tenant space.
2. Generate API Tokens: Replace your legacy developer portal keys with modern, secure API Tokens generated directly within Nucleus to authenticate your automated printing applications.

3. Update Software: Update your application code to utilize the new v1.0 gRPC endpoints. This will unlock the new real-time printer error tracking and flat-rate, unlimited calls pricing.

(Note: Further detailed API endpoint instructions can be found in the developer documentation accompanying this release).

Downloadable Software Included in this Release

Filename	Description
Nucleus-apis-v1.5.zip	Protobuf files for Cloud Print API endpoints. Available for download on Nucleus -> API Collections

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