



FORGING BOLD HORIZONS

Optimizing USPS Technology with AI

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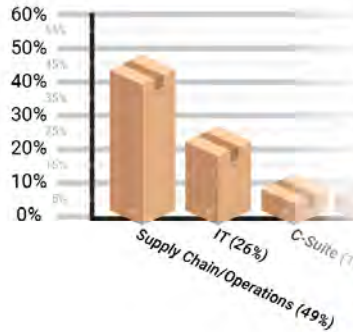
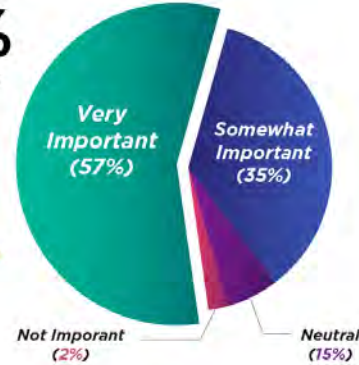
The Shipping Landscape Today – APIs & AI



76%
of high-volume shippers rank **shipping cost** as a top-two decision factor



57%
of shippers say **highly granular, real-time tracking data** is **very important**



75%
of shipping strategy ownership now sits with **IT and Supply Chain teams**



35% of shippers expect **AI-driven optimization** to be the **most impactful technology** in the next 3 to 5 years



*Data sourced from The 2025 ProShip Report

USPS API V3: The Modern Platform

Pre – 2024

Legacy Web Tools

XML-based, retired Jan 2026

2023 – Jan 2025

API V1 & V2

REST introduced; V1 & V2 retired Jan 22, 2025

2024 – Present

API V3

Modern REST, OAuth 2.0, webhooks, improved SLAs

✓ NOW LIVE

developers.usps.com · Free registration · OAuth 2.0 · REST + JSON

API V3: What's New

Improved Uptime

Enhanced fault tolerance with better reliability & reduced downtime; 24x7x365 API availability commitment

OAuth 2.0 Security

Industry-standard authentication replaces legacy User ID/password; Bearer token scheme on all endpoints

Granular Tracking

More detailed scan events
Predictive delivery times; 5-digit ZIP pair precision vs. old 3-digit pairs. Plus:
**** WEBHOOKS ** (More)**

Real-Time Pricing

Advanced rate calculations for multi-package shipments; SKU-based pricing with live domestic & international rates

Label Generation

PDF, TIFF, SVG, ZPL label formats; validates addresses, confirms product availability & calculates postage in one call

Address Intelligence

Enhanced algorithms for parsing & standardizing addresses; ZIP+4, delivery point, business/residential indicators.
COA!

Webhooks: Near-Real-Time Push Notifications



HOW IT WORKS

1. Package scanned at USPS facility
2. USPS API detects tracking event
3. Webhook POST sent to your endpoint
4. Your app processes the update
5. Customer notified automatically

WHY WEBHOOKS MATTER

- **No Polling Required:** Eliminates constant API calls
- **All Tracking Events Covered:** Pickup to Delivery Confirmation — every scan fires a push
- **Faster Customer Updates:** Enable proactive CX
- **Lower Infrastructure Cost:** Ideal for high-volume shippers

Small Businesses: Build Your Own USPS App

Any business can now access USPS services directly — no intermediary software required

1

Create Business Account

Free at USPS
Customer
Onboarding Portal
(COP)



2

Create Developer App

developers.usps.com
Get Consumer Key
& Secret



3

Get OAuth Token

OAuth 2.0
credentials for
secure API access



4

Build & Ship

Call APIs from your
app: rate shop,
generate labels,
track packages, etc.

Never wrote a program before? Don't let that stop you.

Let's Use AI to Build a Simple Shipping Tool

Why Does This Matter?

- APIs provide access for shippers to USPS's products and services.
- AI leverages APIs to enable ANYONE to build the simple apps they need to resolve real shipping problems without waiting on IT or R&D.



DEMO

Using AI to access the USPS API.

Thank You

Stop by to
see me at
Booth #717!



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