

Knowledgebase > ShipCenter > Miscellaneous > UPS Shipping REST API Configuration

UPS Shipping REST API Configuration

Megan De Freitas - 2025-05-09 - Miscellaneous

Overview

UPS has deprecated access key authentication in favor of an OAuth 2.0 security model and REST API. Beginning Aug 5, 2024, access keys will no longer be supported for authentication to any UPS APIs. After this date, all integrations must utilize OAuth 2.0 authentication and the REST API to continue to transact with UPS services.

For more information, please see UPS's Access Key to OAuth 2.0 Migration Guide.

REST API Configuration

To switch an existing UPS carrier in ShipCenter to the new REST API, follow these steps:

1. Open ShipCenter and select Carriers from the Setup tab on the ribbon.

2. On the Carriers screen, select the existing UPS carrier, and click the Edit button.



3. On the Carrier Editor window change the API Type from "Web Services (Legacy)" to "REST API".

Jeneral					– Rate Adjustment					
Carrier Name	UPS Test				Markup Percent					0.009
Write Back Rate	List			~	Markup Amount					\$0.0
Default Weight U	lofM			~	Rounding Option	Standard Ro	unding	~	Decimal Plac	es 2
Default Dimension	n UofM			~						
	Is Inactive	Auto Crea	te Return Shipmen	t	UPS® API Setting	js				
Custom Reports				~	•					
					Restricted	Services —				
User Settings —										~
Default Printer	(System Default Printer)			v x						
					Endpoint Type	O Pi	oduction	۲	Test	
Company Addres	S				API Type	Web	Services (Lega	:у)		~
Company Name*	SalesPad				Customer Classi	fication Rates	Associated wi	th Shipper Num	ber	~
Title*	Head of R&D				Default Pickup T	ype Daily	Pickup			~
Attention*	Brian Werth				 Import Custo 	oms Lines		Send Extended	Reference Fi	elds to UPS
Address*	3200 Eagle Park Dr. NE				- Default Label					
	Suite 100				4 x 6				✓ G	IF V
City*	Grand Rapids		State*	MI						
Country	UNITED STATES	Zip*	49525		- Shipper Accou	ints				
	Is Residential				🔿 Add Evic	ting Chinging	Account	Cat Dafault		
Phone*	6162451221	Fax			Add Exis	ang snipping	Account	set Delault		
Email*	brian.werth@salespad.net				Account N	Shipper Nu	Postal Code	Country C	Default	Account ha
Tax ID Number					SalesPad	W599Y7	49525	US	\checkmark	
Detault Ship From	n Address									
Use Company	/ Address									
Company Name*	SalesPad									
Title	Head of R&D				ÍUDC	UPS, the UP	S Shield traden	ark, the UPS R	eady mark, th	he UPS Developer
Attention	Brian Werth				UPD	Kit mark and America, Ind	the Color Brov All Rights Re	vn are tradema served.	rks of United	Parcel Service of
Address*	3200 Eagle Park Dr. NE									
									Ok	C Ca

Endpointer/pe	0.000	
API Type	REST API	~
Customer Classification	Rates Associated with Shipper Number	~
Default Pickup Type	Daily Pickup	~
✓ Import Customs Line	s Send Extended Reference Fields to UPS	
– Default Label –		

There will be additional access token options in the Carrier Editor. It is necessary to generate an access token for ShipCenter to interact with the UPS REST API.

4. Click the Add Key button to generate a new access token. Note that production and test environments require separate tokens.

	Shipper N	Postal Code	Country C	Default	Account h
SalesPad	W599Y7	49525	US	>	
EST API					
Teet					
Test					
Access Toke	en *******	**********	********	*********	** 🔏 🚑
Production					
Production					A A
Production Access Toke	en				- 3€
Production Access Toke	en				& ₽

The UPS login screen will launch and require logging in with UPS credentials. Enter your UPS username and password and click the Log In button to continue.

UPS Login –		×
https://www.ups.com/lasso/signin?client_id=HPoj3RwjGIATsAXxJSldzrJBCocKHdUgfLFRnAXS4n9duj1L&redirect_uri=https://127.0.0.1/upscallback&redirect_uri=https://127.0.0.1/upscallback&redirect_uri=https://127.0.1/upscallback&redirect_uri=https://12	sponse,	_type
		Î
Log In		
Don't have a profile? Sign up		JI.
Email or Username	Feedback	
By continuing, I agree to the <u>UPS Technology Agreement</u> and authorize ShipCenter to access data associated with my UPS.com username listed above, including UPS shipping account numbers, contact information, rates, and package tracking status.		
Continue > Forgot Username/Password		•

A prompt should display that the token was generated successfully.

NOTE: If there are any issues with the built-in UPS login, a manual login method is available. Hold the ALT key when clicking the Add Key button, and a separate browser window will open. After logging in, copy the resulting URL up until the & symbol (example below) from the browser's address bar and paste it into the prompt in ShipCenter, and click OK. ShipCenter will parse out the authorization code and generate an access token.

Example URL: https://127.0.0.1/upscallback?code=123abc&scope=read

URL to Paste into ShipCenter: https://127.0.0.1/upscallback?code=123abc



Access Token

The access token must be refreshed every four hours for ShipCenter to continue interacting with the UPS REST API. ShipCenter will refresh this token automatically when making an API call. Further action from the user is not required.

Refresh Token

The refresh token is returned when a new access token is generated, and it is used to refresh the access token. Unlike the access token, **the refresh token lasts three months and must be refreshed manually**. A refresh token expired error will appear if a transaction is attempted to be processed with an expired refresh token. A new refresh token can be obtained by generating a new access token after the refresh token expires.

Token Information

The current token information can be viewed by clicking the Key Information button.

ccount N	Shipper N	Postal Code	Country C	Default	Account h
alesPad	W599Y7	49525	US	~	
EST API —					
Test					
Test	en ********	*******	********	*********	···· <mark>&</mark> &
Test Access Tok	en *******	•••••	*******	********	···· 🔏 🚜
Test Access Toke Production	en *******		******	********	*** <mark>&</mark> #
Test Access Toke Production Access Toke	en *******	*******	*******	*******	
Test Access Toke Production Access Toke	en ********	*********	*******	********	
Test Access Toke Production Access Toke	en ********	*******	********	*******	*** & A

This will open the Access Token Information window which displays various token properties such as issue date, expiration date, and status.

on
Bearer
approved
12/4/2023 10:32:52 AM
12/4/2023 2:32:51 PM
approved
12/4/2023 10:32:52 AM
2/2/2024 10:32:51 AM
Cancel

Token Expiration Reminder

When a user logs into ShipCenter, and a UPS access token will expire in the next 7 days or is already expired, then a popup message will appear. This will display information on whether the token is already expired, or when it expires, in order to notify that the manual token refresh step must be handled soon.

When a UPS access token will expire in the next 7 days, a warning will appear:

Access To	oken Expiration Alert	×
4	UPS Test access token expires on 5/7/2024 2:31:47 PM. Contact your ShipCenter administrator to refresh the token before the expiration date to avoid shipping interruptions.	
	ОК	

When a UPS access token is expired, an error will appear:

Access To	oken Expiration Alert	×
×	UPS Test access token expired on 5/7/2024 2:31:47 PM. Contact your ShipCenter administrator to refresh the token and avoid shipping interruptions.	
	ОК	

Only active carriers will provide these reminders. Carriers can be marked as inactive on the Carrier Editor screen:

Carrier Editor - UPS®			
General			– Rate Adjus
Carrier Name	UPS Test		Markup Per
Write Back Rate	List	~	Markup Am
Default Weight UofM		~	Rounding (
Default Dimension UofM		~	
	Is Inactive Auto Create Return Shipment		UPS® API
Custom Reports		~	- ? Res
User Settings			
Default Printer (Syste	m Default Printer)	v x	
			Endpoint
Company Address			API Type
Company Name* Sales	Pad		Customer

Note that token expiration reminders are available as of ShipCenter 1.3.0.1.