

# </> API & OAUTH

## Setup Guide

Connect your applications to 3PLGuys using our secure OAuth 2.0 API. Manage inventory, shipments, invoices, and more programmatically.

Developer Portal

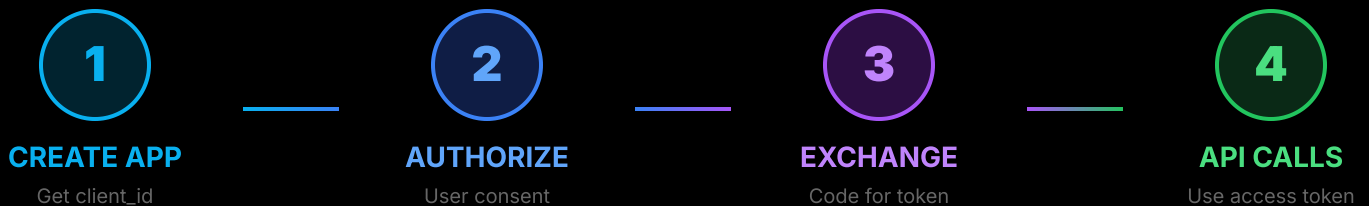
API Reference

## GETTING STARTED

The 3PLGuys API uses OAuth 2.0 with PKCE for secure authentication. Create an OAuth app in your account dashboard to get your client credentials, then use the authorization code flow to obtain access tokens.

- OAuth 2.0 + PKCE
- Bearer token auth
- RESTful JSON API

## OAUTH AUTHORIZATION FLOW



## AVAILABLE SCOPES

- user-account**  
Organization info, contact details, addresses
- inventory**  
Products, cartons, stock levels, breakdowns
- shipments**  
Inbound/outbound shipments, SPD, Pick & Pack
- invoices**  
Invoices, balance, transaction history
- locations**  
Warehouse locations, addresses
- notifications**  
Alerts, invoice reminders, shipment updates
- recommendations**  
AI-powered suggestions for restock, optimization, and cost savings (coming soon)



## STEP 1: CREATE AN OAUTH APP

### 1 Navigate to Account Settings

Go to `account.3plguys.com` and sign in to your organization account.

### 2 Create Developer App

Click **Developer Apps** in the sidebar, then **Create New App**. Enter an app name.

### 3 Select Scopes

Choose which API resources your app needs access to. You can update scopes later.

### 4 Save Your Credentials

Copy your `client_id` and `client_secret`. The secret is only shown once!

## STEP 2: AUTHORIZATION REQUEST

```
// Redirect user to authorize your app
GET https://api.3plguys.com/v0/oauth/authorize
?response_type=code
&client_id=your_client_id
&redirect_uri=https://yourapp.com/callback
&scope=inventory shipments invoices
&state=random_csrf_token
&code_challenge=SHA256_hash_of_verifier
&code_challenge_method=S256
```

**i** PKCE (code\_challenge) is recommended for all OAuth apps. Use S256 method for the challenge.

## STEP 3: EXCHANGE CODE FOR TOKENS

```
// POST to token endpoint
POST https://api.3plguys.com/v0/oauth/token
Content-Type: application/x-www-form-urlencoded

grant_type=authorization_code
code=auth_code_from_callback
client_id=your_client_id
client_secret=your_client_secret
code_verifier=original_pkce_verifier
```

### RESPONSE

```
{
  "token_type": "Bearer",
  "access_token": "eyJ...",
```

```
"expires_in": 3600,  
"refresh_token": "eyJ...",  
"scope": "inventory shipments invoices"  
}
```

## STEP 4: MAKING API CALLS

```
// Include access token in Authorization header  
GET https://api.3plguys.com/v0/inventory/products/breakdown  
Authorization: Bearer eyJ...
```

### INVENTORY ENDPOINTS

```
GET /inventory/cartons/breakdown  
GET /inventory/products/breakdown  
GET /warehouses
```

### SHIPMENT ENDPOINTS

```
GET /shipments  
GET /shipments/:id  
GET /shipments/spd
```

## REFRESHING ACCESS TOKENS

Access tokens expire after **1 hour**. Use your refresh token to get a new access token without re-authorization.

```
POST https://api.3plguys.com/v0/oauth/token  
grant_type=refresh_token  
refresh_token=your_refresh_token  
client_id=your_client_id  
client_secret=your_client_secret
```

 Access token: 1 hour     Refresh token: 30 days



### NEED HELP?

Contact our developer support team

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(866) 373-8599



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