

Getting Started with the Ecommerce APIs

Use these steps to get quickly started in the Sandbox test environment. For an overview of the Ecommerce APIs, [click here](#).

1. Sign up or log in

Sign up for a free Pitney Bowes developer account at the [Developer Hub Signup](#) page. Use a regularly monitored email for signup, such as a distribution list. The email address you choose cannot be changed.

If you already have an account, log into your account at [Developer Hub](#).

2. Get your API key and secret

Your developer account comes with a key and secret that give you access to the APIs on the Sandbox test environment. The key and secret are unique to your account.

In your developer account, click **API Keys**. Copy the Sandbox key and secret.

3. Get your Developer ID

Your Developer ID is required by certain API calls.

In your developer account, click **your username**, then click **Your Account**. Copy your Developer ID.

4. Get your default merchant's Shipper ID

Note: For the Fulfillment APIs, skip this step.

To get you started quickly, your developer account comes with a default merchant. You can use the default merchant for all your development and testing. As with all merchants, the default merchant is identified by its unique Shipper ID.

In your developer account, click **Onboarding Merchants**. Copy the Shipper ID.

5. Ensure your system meets the TLS requirement

The minimum supported security protocol for connection to the Ecommerce APIs is [TLS v1.2](#). To test whether your environment supports TLS v1.2, issue the following GET operation:

```
curl -X GET https://api-test.pitneybowes.com/tlstest
```

A response of **TLS_Connection_Success** indicates your system meets the requirement.

6. Generate an OAuth token

To make a request to the Ecommerce APIs, you must have an [OAuth token](#). The token identifies and authenticates the developer account making the request.

To generate a token, first encode your API key and secret in the following format using a [Base64 encoder](#). Be sure to include the colon between the key and secret.

```
<API_key>:<API_secret>
```

Generate the OAuth token using the following API call, replacing **<base64_value>** with the Base64-encoded value:

```
curl -X POST https://shipping-api-sandbox.pitneybowes.com/oauth/token \
-H "Authorization: Basic <base64_value>" \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "grant_type=client_credentials"
```

The API returns an OAuth token in the **access_token** field, as shown in the example response below:

```
{
  "access_token": "mL3Ec6yp67uYGm0DnLiqPjux0AFY",
  "tokenType": "BearerToken",
  "issuedAt": "1498168771002",
  "expiresIn": "35999",
  "clientID": "a3cDEFghI1jK2LMnOP3qRstU4vWX5Yz",
  "org": "pitneybowes"
}
```

Note: The token is valid for 10 hours.

7. Test the APIs in Sandbox

Test the APIs using the Sandbox environment. Sandbox uses the following base URLs:

- **Shipping APIs:**

```
https://shipping-api-sandbox.pitneybowes.com/shippingservices/*
```

For the Shipping APIs, a good place to start is with the [Create Shipment API](#). Try printing a Priority Mail label using PB Expedited as the carrier. Use your default merchant's Shipper ID. See [this example](#).

Next, try printing a Parcel Select label using [PB Standard](#) as the carrier. See [this example](#).

For details on carriers, see [Carriers](#). For the sequence of operations to ship a parcel, see the [Shipping Workflow](#).

- **Fulfillment APIs:**

```
https://shipping-api-sandbox.pitneybowes.com/shippingservices/fulfillme
```

For the Fulfillment APIs, a good place to start testing is with the [Create a Product API](#). For more information on the Fulfillment APIs, see [Fulfillment APIs Overview](#).

8. Upgrade to Production

To upgrade to a Production account, contact Pitney Bowes at ShippingAPIBusinessDevelopment@pb.com.

Printing Your First Production Label: When printing your first production label, you must ensure your postage account has sufficient funds to cover the cost of the label. In case of insufficient funds, you might encounter an error while your account is being funded.

[previous](#) | [next](#)