

# PayPal Express Technical Specs



**Platforms:** Legacy eCommerce, KCCP eCommerce and eCommerce+OMS

[App Documentation](#)

The [PayPal Express Application by Kibo eCommerce](#) leverages the [API Extension](#) framework to communicate with PayPal using the [PayPal Name-Value Pair API](#). You can leverage features from both Kibo eCommerce and PayPal to test the functionality of the app before publishing it to your live site(s).

## PayPal Operations

The PayPal Express Application sends the following API requests to PayPal, as needed:

- SetExpressCheckout
- GetExpressCheckoutDetails
- DoExpressCheckoutPayment
- DoCapture
- RefundTransaction
- DoVoid

## Negative Test the App

You can use the flexibility of API Extensions and the error codes that PayPal exposes through their API to negative test your application and ensure it throws errors as expected.

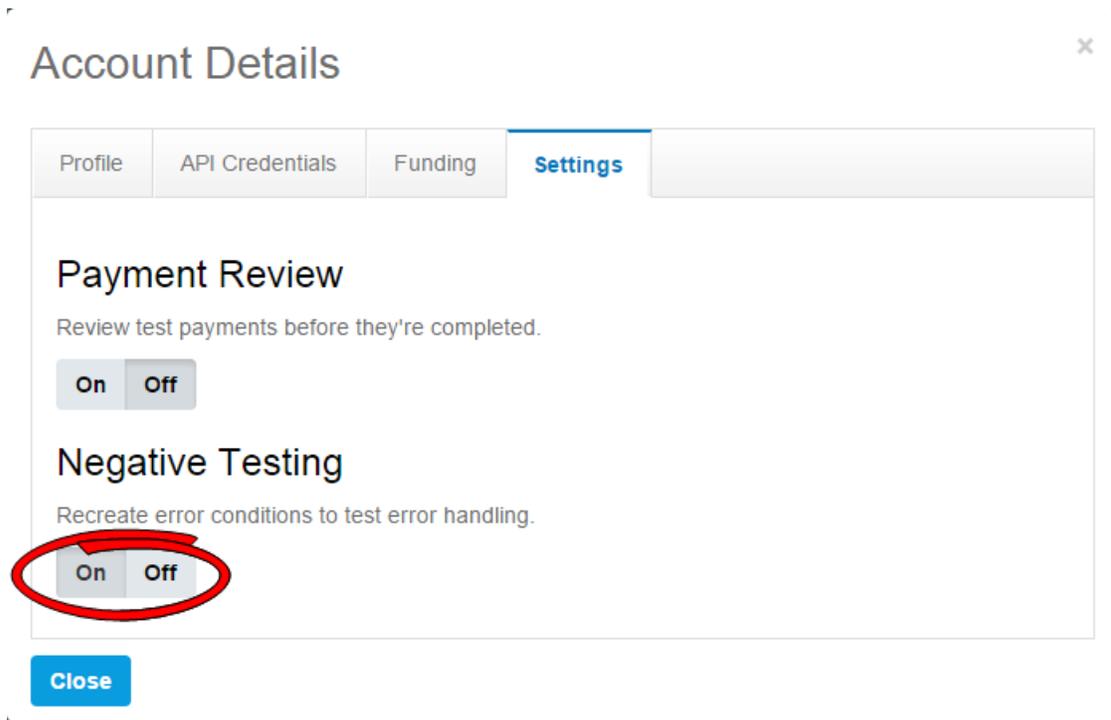
### Enable Negative Testing on Your PayPal Sandbox

1. Go to the [PayPal Developer](#) page and log in with your merchant credentials.
2. Click **Dashboard** to go to your account dashboard.

3. Under **Sandbox**, click **Accounts**.
4. Expand the email address for the test account you want to use and click **Profile**:



5. On the **Settings** tab, turn on negative testing:



### Example: Force Error 10001 in a Negative Test

The code in this sample triggers [PayPal Error code 10001](#) on SetExpressCheckout. Because the test is amount-related, 10001 is converted to 100.01.



Refer to the PayPal help topic [Testing Error Conditions with Negative Testing](#) for more information about how to trigger PayPal errors.

1. In Admin, go to **Settings** > **System Administration** > **Action Management** to display the [Action Management JSON Editor](#).
2. Add the following code to the configurations array:

```
"configurations": [{  
  "configuration" : {  
    "paypal" : {  
      "setExpressCheckout" : {"maxAmount" : "100.01"},  
      "getExpressCheckoutDetails" : {"token" : "10004"},  
      "authorization" : {"amount" : "100.01"},  
      "capture" : {"amount" : "100.01"},  
      "void" : {"authorizationId": "10623"},  
      "refund" : {"amount" : "100.01"}  
    }  
  }  
}]
```

## Enable Detailed Logging on API Extension Actions

If you have API Extensions fully enabled on your Kibo eCommerce developer account, you can view log files of all the code actions that have executed on your tenant.

1. In Admin, go to **Settings > System Administration > Action Management** to display the [Action Management JSON Editor](#).
2. Change `defaultLogLevel` to `"info"`.
3. In the Dev Center console, go to **Logs > Action Logs**.
4. Select your tenant and click **Search** to see the actions.