PayPal

REST API STC Integration

Version: 1.0

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Step to Integrate

1. Create REST API Application in PayPal
2. Prepare the risk assessment data
3. Pass risk assessment data to PayPal API
4. Integrate PayPal checkout

1. Create REST API Application in PayPal

Log into https://developer.paypal.com with your Live PayPal account and create a PayPal REST API App under the Dashboard. When you create a PayPal app, PayPal generates a set of OAuth client_id and secret keys for the application. PayPal generates these keys for both the PayPal sandbox and live environments.


*After that Pass the Client ID to your Integration Manager to enable the scope for making app call.

2.   Prepare the risk assessment data

And below the data that we need you to send to PayPal. If there is any field you cannot provide, please kindly let us know and we need to talk to our team.

Data Field Name	Description	Data Type	Format	Sample
Sender Profile – The fields in this section need not be included in the data transmission if either of these conditions exist: • The merchant does not require the user to create a merchant account; that is, the user can perform the transaction through a "Guest Checkout." –or– • The merchant offers PayPal at the cart as a "Shortcut" or as "Checkout with PayPal," so that PayPal provides all the consumer information.				
sender_account_id	Unique identifier of the buyer account on the partner/merchant platform	string	Alphanumeric	A12345N343
sender_first_name	First name registered with the buyer's partner/merchant account	string	Alphanumeric	John
sender_last_name	Last name registered with the buyer's partner/merchant account	string	Alphanumeric	Smith
sender_email	Email address registered with the buyer's partner/merchant account	string	E. 123 - Email Address	john@sample.com
sender_phone	Phone number (national notation) registered with the buyer's partner/merchant account	string	E.123 - Telephone Number (national notation)	(042) 1123 4567
sender_country_code	Country code registered with the buyer's partner/merchant account	string	ISO Alpha-2 Country Code	AU
sender_create_date	Date of creation of the buyer's account on the partner/merchant platform	date	ISO 8601 date format	2012-12-09T 19:14:55.277-0:00

3. Pass risk assessment data to PayPal API
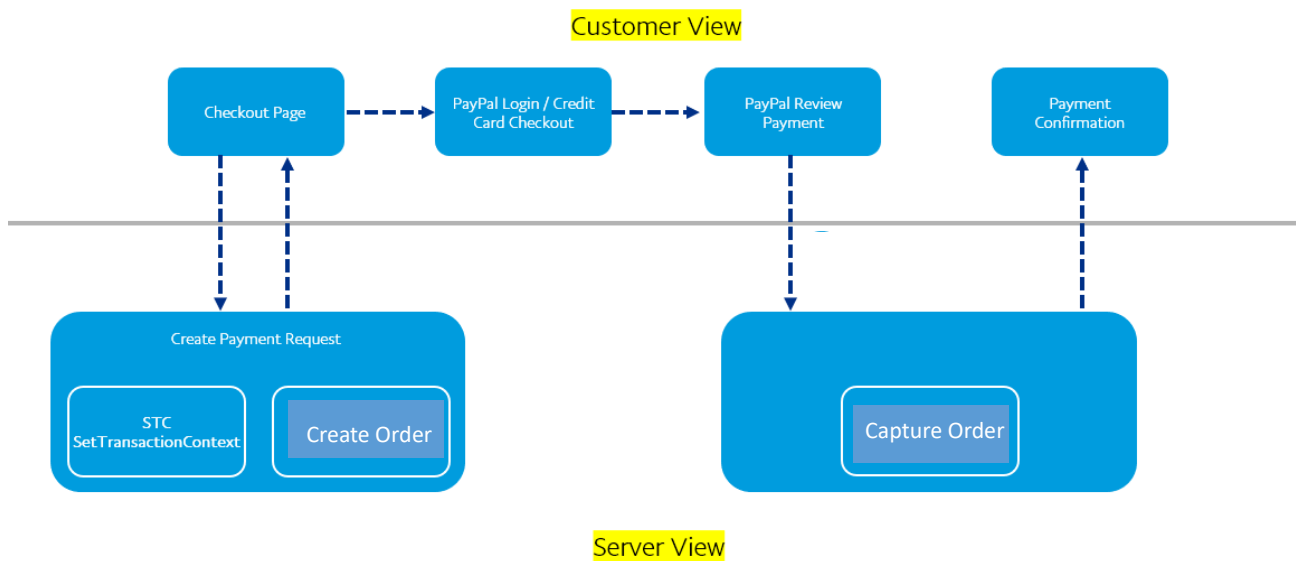
Endpoint

Sandbox: *https://api.sandbox.paypal.com/v1/risk/transaction-contexts/<MerchantId>/<Tracking-Id>*

Live: *https://api.paypal.com/v1/risk/transaction-contexts/<MerchantId>/<Tracking-Id>*

MerchantId:

Tracking-Id: *A Universal Unique Identifier created by merchant for each transaction. For example:* *1234567890*

Example:

```
curl -v -X PUT https://api.sandbox.paypal.com/v1/risk/transaction-
contexts/<MerchantId>/1234567890\
-H 'Content-Type:application/json' \
-H 'Authorization:Bearer <AccessToken> \
-d '{
   "additional_data":[
      {
         "key":"sender_account_id",
         "value":"10000600"
      },
      {
         "key":"sender_first_name",
         "value":"John"
      },
      {
         "key":"sender_country_code",
         "value":"US"
      },
      {
         "key":"sender_popularity_score",
         "value":"low"
      }
   ]
}'
```

Create Payment

Include same **PayPal-Client-Metadata-Id** in a same transaction

```
curl -X POST https://api.sandbox.paypal.com/v2/checkout/orders \
-H "Accept:application/json" \
-H "Accept-Language:en_US" \
-H "Content-Type:application/json" \
-H "PayPal-Client-Metadata-Id: 1234567890" \
-H 'Authorization:Bearer <AccessToken> \
-d '{
   "intent":"CAPTURE",
   "application_context":{
      "return_url":"https://example.com/return",
      "cancel_url":"https://example.com/cancel"
   },
   "purchase_units":[
      {
         "amount":{
            "currency_code":"USD",
            "value":"100.00",
            "breakdown":{
               "item_total":{
                  "currency_code":"USD",
                  "value":"50"
               },
               "tax_total":{
                  "currency_code":"USD",
                  "value":"50"
               }
            }
         }
      }
   ]
}'
```

Execute Payment

Include same **PayPal-Client-Metadata-Id** in a same transaction

```
curl -X POST https://api.sandbox.paypal.com/v2/checkout/orders/ORDER-
ID/capture \
-H "Accept:application/json" \
-H "Accept-Language:en_US" \
-H "Content-Type:application/json" \
-H "PayPal-Client-Metadata-Id: 1234567890" \
-H 'Authorization:Bearer <AccessToken> \
```

Reference: https://developer.paypal.com/api/rest/requests/#paypal-client-metadata-id