

PayU S.A.
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PayTouch - mobile SDK

Integration manual - backend

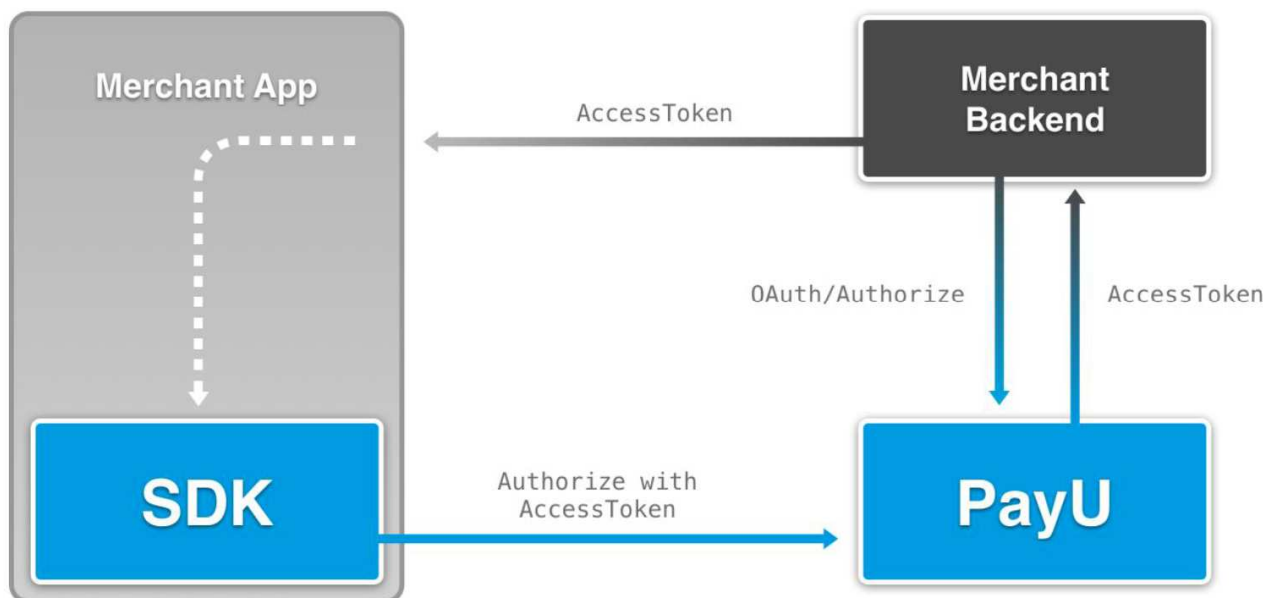
Overview

One-click mobile SDK enables merchants to offer 1click payments in their mobile apps with the simplest integration ever. SDK is prepared for iOS, Android and Windows Phone platforms. PayU delivers to merchant a fully functional payment component which merchant just needs to use in the application. What is important – all card data and communication between the merchant and PayU is made by SDK, so the merchant does not touch any card data or even tokens.

Following document will describe integration steps with “Create order and pay” endpoints of One-click system.

OAuth – authentication and authorization.

Before merchant can use any of our resources, he needs to successfully authenticate to our systems. Our security setup is based on OAuth implementation.



Trusted merchant email

Merchant on behalf of his customer is using customer's email and ID (unique customer identifier in merchant's system) in order to retrieve security token.

Authentication request:

- URI: **<https://secure.payu.pl/pl/standard/user/oauth/authorize>**
- method type: **POST**
- headers:
- content-type: **application/x-www-form-urlencoded**
- body:

[grant_type=trusted_merchant&client_id=id&client_secret=secret&email=foo.bar@foo.bar&ext_customer_id=123456789](#)

Parameter name	Parameter description
grant_type	trusted_merchant value must be set
client_id	OAuth client id
client_secret	OAuth client secret
email	Customer's email
ext_customer_id	Unique customer identifier

Authentication response:

```
{  
  "access_token": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx",  
  "token_type": "bearer",  
  "refresh_token": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx",  
  "expires_in": 43199,  
  "grant_type": "trusted_merchant"
```

}

Response field	Description
grant_type:String	Type of privileges
token_type:String	Type of token prepended to access token header in following requests
expires_in:Long	Access token expiration time in seconds.
access_token:String	OAuth access token to be send in HTTP request header: Authorization: Bearer xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx
refresh_token:String	Used to refresh access tokens

There is possibility that user is blocked in PayU system. In that case grant_type in response will be changed to client_credentials.

Refreshing access token

In case we have a token soon to expire, we can use refresh token request to get a new one with extended expiration date. It is not possible to refresh expired token.

Refresh request:

- URI: **<https://secure.payu.pl/pl/standard/user/oauth/authorize>**
- method type: **POST**
- headers:

content-type: **application/x-www-form-urlencoded**

- body:

grant_type=trusted_merchant_refresh_token&access_token=xxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx&refresh_token=xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Parameter name	Parameter description
grant_type	trusted_merchant_refresh_token value must be set
access_token	New OAuth access token
refresh_token	OAuth refresh token

Refresh response:

Exemplary response:

```
{  
  "access_token": "xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
  "token_type": "bearer",  
  "refresh_token": "xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
  "expires_in": 43199,  
  "grant_type": "trusted_merchant"
```

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}

Parameter name	Parameter description
access_token	trusted_merchant_access_token_password value must be set
token_type	Type of token prepended to access token header in following requests
refresh_token	Used to refresh access tokens
expires_in	Access token expiration time in seconds.
grant_type	Type of privileges

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Order status changes notifications

In order to get more info on order notifications reach out here:

<http://developers.payu.com/en/restapi.html#notifications>