



# Orange Money WebPay Dev 1.0

Payments

**Enable your customer to pay for your products through Orange Money Development API**

[Use this API\(/myapps/new/addapi/om-webpay-dev\)](#)

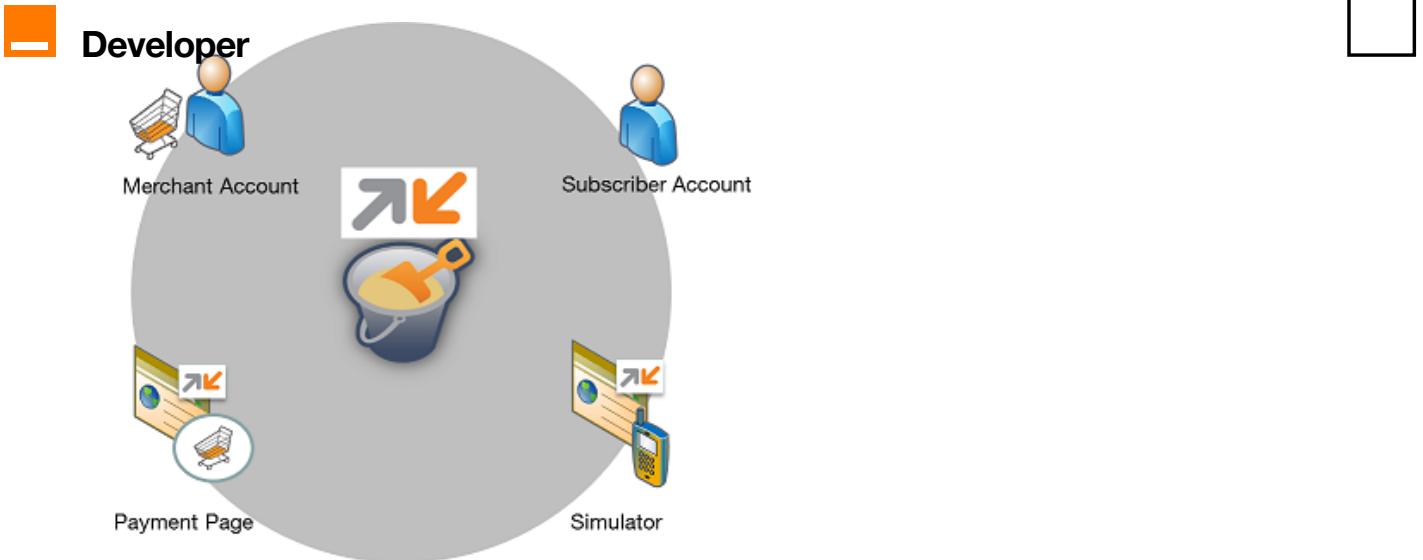
[Contact us\(/apis/om-webpay-dev/contact-us\)](#)



[getting-started ▾](#)

The Orange Money Web Payment API DEV (Sandbox) allows web merchants to integrate Orange Money as a means of payment on their websites. Orange Money is a mobile payment solution across 17 countries in Africa and the Middle East.

- The Web Payment Sandbox is an E2E platform created for partners' integration and testing.
- Orange Money tests accounts (Merchant and Subscribers) are available to perform payment transactions.
- Integration Tools: USSD simulator and OM Payment Add-on (page)



### Steps of test:

1. subscription via Orange Partner portal
2. access\_token generation
3. Web Payment API
4. Transactions Status API
5. Information: For security reasons, all network flows use the HTTPS protocol

**Watch the video below and see how you can use our API to offer Orange Money payment solution on your e-commerce website.**

video (<https://www.dailymotion.com/embed/video/x4o3q40>)

### 1- Web Payment Offer subscription - Getting My Merchant Key

You have been invited to subscribe the Orange Money Web Payment API. You are about to use your merchant wallet in a secure way to offer a new payment method to your customers.

#### 1.1 Application creation

<https://developer.orange.com/myapps> (<https://developer.orange.com/myapps>)

Developer

Orange Developer - My apps

an Orange Partner Program

Bertrand Collomb-Patton

Orange Developer APIs Tools Support My apps

My apps

Register an application now to subscribe to an API or browse the site and come back to register it later

1 Create your application 2 Add and configure APIs 3 Integrate APIs into your service 4 Check your statistics

Application name: MyWebPayApp

Description: test of Orange Web Payment

Create

The screenshot shows the Orange Developer platform interface. At the top, there's a navigation bar with links for APIs, Tools, Support, and My apps. Below that is a section titled 'My apps' with a sub-instruction: 'Register an application now to subscribe to an API or browse the site and come back to register it later'. A horizontal progress bar is displayed, consisting of four numbered circles (1, 2, 3, 4) connected by lines. Below the progress bar are four corresponding steps: 'Create your application', 'Add and configure APIs', 'Integrate APIs into your service', and 'Check your statistics'. The first step is highlighted with an orange circle. In the main content area, there are two input fields: 'Application name' containing 'MyWebPayApp' and 'Description' containing 'test of Orange Web Payment'. A green checkmark icon is visible next to the application name field. To the right of the description field is a large orange 'Create' button.

The screenshot shows a web browser window titled "Developer" with the URL "https://developer.orange.com/myapps/UsmQ...". The page is part of the "Orange Partner Program". At the top, there are navigation links for "APIs", "Tools", and "Support", and a "My apps" button. A green notification box says: "Application 'MyWebPayApp' has been created. Now click 'Add an API' to subscribe to an API and activate your client ID." Below this, the "Details" section for "MyWebPayApp" is shown, including the application ID "UsmQWl4reGPDgp9N", a pending client ID, and a secret key. The "Subscribed APIs" section is empty, with a button to "Add an API". A red "Delete app" button is located at the bottom right.

## 1.2 'Orange Money WebPayDev' API addition

You should have received an email with Channel User and subscriber identifiers:

Channel User:

- id/login/name: MerchantWP00100
- Merchant Account Number: 7701900100
- Merchant Code: 101021
- PIN code: xxxx

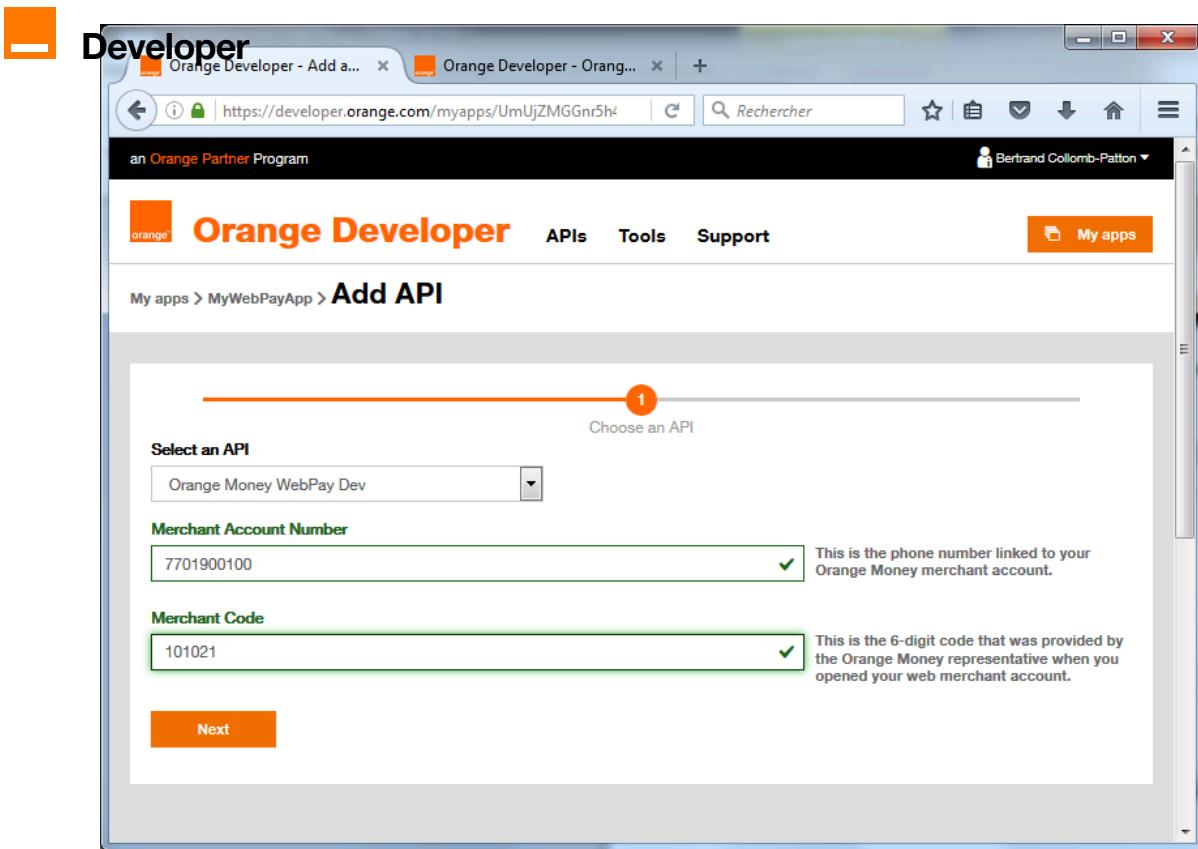
Subscriber:

- MSISDN: 7701100100
- PIN: xxxx

If it is not the case, please ask by email to:

- [georgiana.crucru@orange.com](mailto:georgiana.crucru@orange.com) (<mailto:georgiana.crucru@orange.com>)

So, add the API Orange Money Web Pay Dev to your Application and let's generate your Merchant Key by entering your Merchant Account Number (channel user MSISDN) and Merchant Code



Warning: Orange Money WebPay offers are hidden. You must have been invited to see them. The Merchant Key will be created in the system only if you provide a valid Orange Money account and if you have proper rights to subscribe to the service. If you do not know your Merchant Code , please contact your local Orange Money support team.

The screenshot shows the Orange Developer application details page. At the top, there is a message: "IMPORTANT: You MERCHANT KEY is a86b2087. A confirmation email will be sent to you, in the meantime copy and save it, you will need it for API integration." Below this, the "Details" section shows the application name "MyWebPayApp" and its description "test of Orange Money Web Payment documentation". The "Application ID" is listed as "UmUjZMGGn5h4Dzm". Under "Client ID" and "Client secret", the status is "Approved". There are "Show" and "Renew" buttons. The "Subscribed APIs" section lists "Orange Money WebPay Dev" with version 1.0 and status "Approved". A "Remove" button is available for this entry. The "Statistics" section shows "No API calls received yet" for the last 30 days. A "Delete app" button is located at the bottom right of the main content area.

**IMPORTANT:** The Merchant key will be used as the Orange Money account identifier for all payment transactions (no MSISDN, nor PIN will not be required in the API). Please write down your Merchant Key and store it in a safe place.

Note that a single application can be subscribed to a DEV offer and a single country. For a second country, you need to create a new application.

## 2. Get your Access token

Orange Money Web Payment API requires an Access token, based on your developer credentials (client id and client secret).

You can obtain your token with a simple call:

```
curl -X POST \
-H "Authorization: Basic {consumer_key}" \
-H "Content-Type: application/x-www-form-urlencoded" \
-H "Accept: application/json" \
-d "grant_type=client_credentials" \
https://api.orange.com/oauth/v3/token
```

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "token_type": "Bearer",
  "access_token": "WI9VmGXfNB38s1e6A26Hob19AP2c",
  "expires_in": "3600"
}
```

Consumer\_key is in the Authorization header, by clicking on the “Show” button:

So, in the example:

```
curl -X POST \
-H "Authorization: Basic NktSSH1jksdj7P...Jjndb6UdnlrT2l0aA==" \
-H "Content-Type: application/x-www-form-urlencoded" \
-H "Accept: application/json" \
-d "grant_type=client_credentials" \
https://api.orange.com/oauth/v3/token
```

HTTP/1.1 200 OK  
**Developer**  
Content-Type: application/json

```
{  
  "token_type": "Bearer",  
  "access_token": "IW3gdUV0vQVc07mGNs0ZgwdhDNvE",  
  "expires_in": "3600"  
}
```



**Warning:** Check you are using the right URL: /orange-money-webpay/**dev**/v1/webpayment  
HTTP/1.1

**NOTE:** The access\_token is valid for the duration, in seconds, specified by expires\_in. Therefore, you do not need to request a new access token as your client application doesn't receive an error indicating that your access token expired. At the present time, access\_token has a lifetime of about **60 minutes**.

If your token is expired, you just have to get a new token by the same method.

You can get more details about the token [here](#) ([https://developer.orange.com/tech\\_guide/2-legged-oauth-2-v3/](https://developer.orange.com/tech_guide/2-legged-oauth-2-v3/)).

## 3. Web Payment API

This API allows you to create a payment session in the Orange Money system. A payment transaction will be created based on the information provided in your request and a Payment Token will be returned in the API response.

### 3.1 Web Payment request

#### 3.1.1 Web Payment transaction initialization

You have to send a post:

<https://api.orange.com/orange-money-webpay/dev/v1/webpayment>

Authorization: Bearer IW3gdUV0vQVc07mGNs0ZgwdhDNvE  
Accept: application/json  
Content-Type: application/json

```
{  
  "merchant_key": "a86b2087",  
  "currency": "OUV",  
  "order_id": "MY_ORDER_ID_08082105_0023457",  
  "amount": 1200,  
  "return_url": "http://myvirtualshop.webnode.es",  
  "cancel_url": "http://myvirtualshop.webnode.es/txncncld/",  
  "notif_url": "http://www.merchant-example2.org/notif",  
  "lang": "fr"  
  "reference": "ref Merchant"  
}
```



Content-Type: application/json  
**Developer**

```
{  
    "status":201,  
    "message":"OK",  
  
    "pay_token":"f5720dd906203c62033ffe64ed75614785878b0ab2231d9c582b2908fca0ab9a",  
    "payment_url":"https:\/\/webpayment-qualif.orange-  
money.com\/payment\/pay_token\/f5720dd906203c62033ffe64ed75614785878b0ab2231d9c58  
2b2908fca0ab9a",  
    "notif_token":"dd497bda3b250e536186fc0663f32f40"  
}
```



**Warning: On API DEV we use OUV as currency. On API country is the country's currency.**

**Note that the field "order\_id" must be unique for the system.**

**The fields order\_id and reference are limited to 30 chars and return\_url, cancel\_url and notify\_url to 120 chars**

**The field reference refers to the merchant name**

You can find below an example of the code for a postman request:

```
POST /orange-money-webpay/dev/v1/webpayment HTTP/1.1  
Host: api.orange.com  
Content-Type: application/json  
Authorization: Bearer R5EVAffaxgpTojhuTorBSU1qMHgy  
Accept: application/json  
Cache-Control: no-cache  
Postman-Token: e18f3aac-9bd7-ddc5-a3a4-668e6089a0d5  
  
{  
    "merchant_key": "ad8b9717",  
    "currency": "OUV",  
    "order_id": "TestOPE_001903",  
    "amount": 1500,  
    "return_url": "http://www.merchant-example.org/return",  
    "cancel_url": "http://www.merchant-example.org/cancel",  
    "notif_url": "http://www.merchant-example.org/notif",  
    "lang": "fr",  
    "reference": "ref Merchant"  
}
```



OK! Now, all that you need is to redirect your client to our secured payment page:

[https://webpayment-ow-sb.orange-money.com/payment/pay\\_token/a4b2a348ee580b0d21fd3b2b9d67e1aec739a28ca6d60d99f1bc833b8ffb909](https://webpayment-ow-sb.orange-money.com/payment/pay_token/a4b2a348ee580b0d21fd3b2b9d67e1aec739a28ca6d60d99f1bc833b8ffb909) ([https://webpayment-ow-sb.orange-money.com/payment/pay\\_token/a4b2a348ee580b0d21fd3b2b9d67e1aec739a28ca6d60d99f1bc833b8ffb909](https://webpayment-ow-sb.orange-money.com/payment/pay_token/a4b2a348ee580b0d21fd3b2b9d67e1aec739a28ca6d60d99f1bc833b8ffb909))

The screenshot shows a web-based payment interface for Orange Money. It's a three-step process:

- 1. Paiement**: Shows the command details: Merchant: TestOPE\_083504, Numéro de commande: TestOPE\_083504, Date: 21-06-2018 08:44:25, Montant: 1500.00 OMUV.
- 2. Traitement**: Requests an OTP code via USSD. It asks for the mobile number and payment code.
- 3. Confirmation**: Displays a success message: "Commande traitée avec succès".

In order to ask for an OTP code and confirm your transaction, you can use the Sandbox Simulator.

Once the transaction is confirmed by the Orange client, the system will redirect the user to your `return_url`. Then, an HTTP notification will be posted to the `notif_url` you sent in the web payment request.

### 3.1.2 Web Payment request URLs

There are 3 URLs in the webpayment request:

- `return_url`: the URL of the website where the customer will return when the payment will be finished and the customer decides to click on the return link of the web payment website
- `cancel_url`: the URL of the website where the customer will return when the payment will be cancelled by the customer by clicking on the cancel link of the web payment website
- `notif_url`: the notification URL used by the webpayment backend to notify the merchant backend of the status of the payment's transaction (see more details at “Transaction Notification”). This notification is only sent when the payment process is confirmed and when it ends with a ‘SUCCESS’ or ‘FAILED’ status

These URLs are sent in the body of the Webpayment request, so the merchant can use dynamic URLs that depend on the merchant website context (e.g. with URL parameters like “&returnOnCart=1”, “&referrer=site1.com”).

One WebPayment account can be used to centralize the merchant money of multiple websites by putting the same credentials/merchant\_key in the requests sent to the WebPayment backend. Because the Webpayment request URLs parameters are dynamically set during the build of the body of the request, each website can use its own URLs.



Example:

## Developer

mywebsite1.com

- POST <https://api.orange.com/orange-money-webpay/dev/v1/webpayment> –  
(<https://api.orange.com/orange-money-webpay/dev/v1/webpayment>) –
- Bearer IW3gdUV0vQVcO7mGNsOZgwdhDnvE
- "merchant\_key": "a86b2087"
- "return\_url": "mywebsite1.com/webpayment\_returnurl\_1"
- "cancel\_url" : "mywebsite1.com/webpayment\_cancelurl\_1"
- "notif\_url" : "mywebsite1.com/webpayment\_notifurl\_1"

mywebsite2.com

- POST <https://api.orange.com/orange-money-webpay/dev/v1/webpayment> –  
(<https://api.orange.com/orange-money-webpay/dev/v1/webpayment>) –
- Bearer IW3gdUV0vQVcO7mGNsOZgwdhDnvE
- "merchant\_key": "a86b2087"
- "return\_url": "mywebsite1.com/webpayment\_returnurl\_2"
- "cancel\_url" : "mywebsite1.com/webpayment\_cancelurl\_2"
- "notif\_url" : "mywebsite1.com/webpayment\_notifurl\_2"

## 3.2 OTP code getting (via Partner USSD Sandbox Simulator)

The Partner Sandbox simulator is a Web-based interface allowing partners and developers to perform the following transactions in the Sandbox environment:

- OTP request
- Merchant Balance request
- Subscriber Balance request

You can access the Simulator: <https://mpayment.orange-money.com/mpayment-otp/login>  
(<https://mpayment.orange-money.com/mpayment-otp/login>)

The screenshot shows the 'Log In' page of the Orange Money Sandbox Simulator. At the top left is the Orange Money logo, followed by the text 'Sandbox Simulator'. On the right side of the header is a small orange square icon with the word 'orange' written in white. The main area is titled 'Log In' in red. Below it is a rectangular input form. Inside the form, there are two text input fields: one labeled 'Login \*' and another labeled 'Password \*'. Both fields have placeholder text and are preceded by asterisks indicating they are required. At the bottom of the form is a red 'Log In' button.

You can log in with the merchant account provided for the Sandbox (login: Merchant Account Number, password: channel user Id).

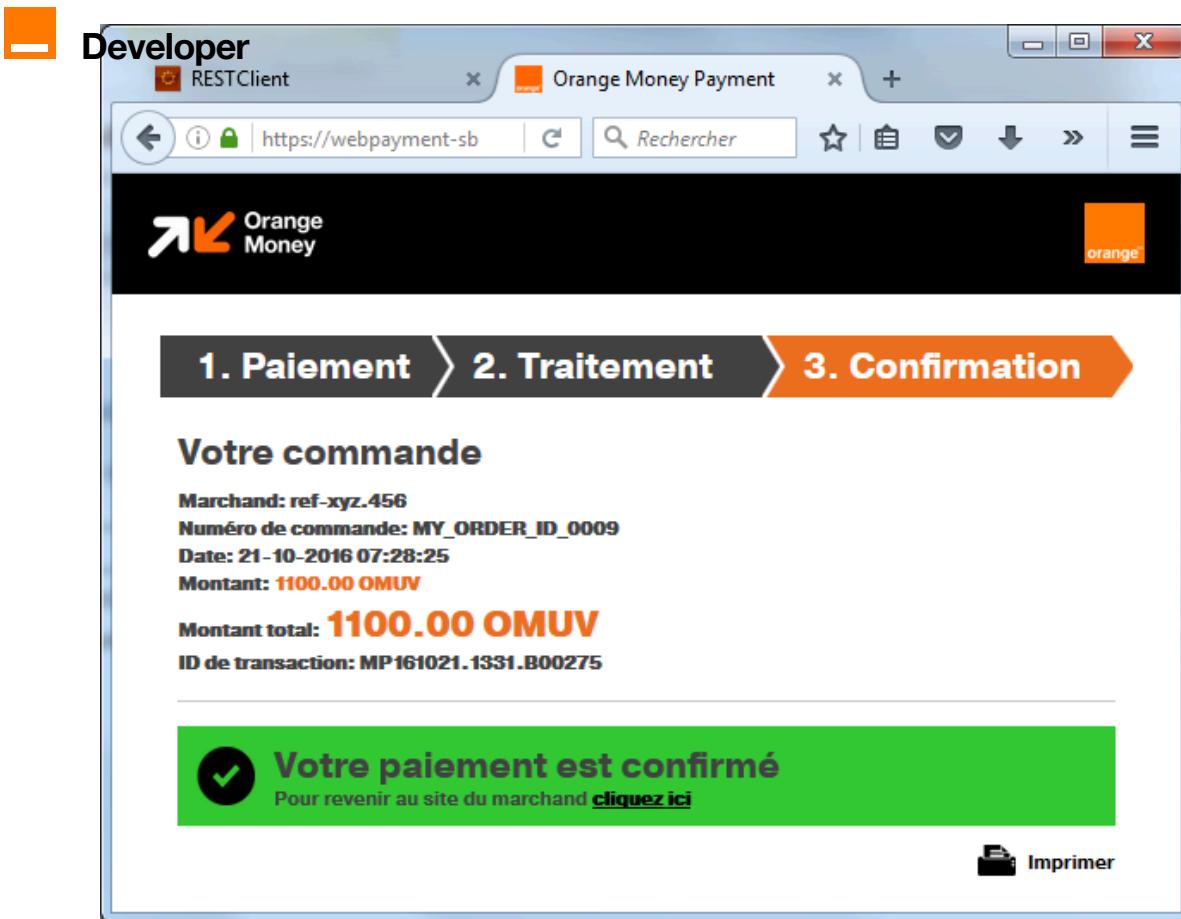
Then you can request an OTP with the subscriber PIN code.

The screenshot shows the Orange Money Sandbox Simulator interface. At the top, there's a navigation bar with links for 'My Client' (highlighted in orange), 'OTP Request', and 'Balance Inquiry'. Below that, under 'My Merchant', is a link for 'Balance Inquiry'. The main content area is titled 'OTP Request'. It contains fields for 'Phone number \*' (70232000), 'PIN Code \*' (1357), and 'Orange Country \*' (OML). A 'Send' button is located below these fields. At the bottom, a message states: 'Your temporary authorization code is 622658. It is valid for 15 minutes.'

You just have to fill in the OTP code on the payment page, and click on “Confirmer”:

The screenshot shows the payment confirmation step of the Orange Money process. The top navigation bar includes the Orange Money logo and an 'orange' logo. The steps are labeled '1. Paiement', '2. Traitement', and '3. Confirmation'. The current step is '3. Confirmation'. The page title is 'Votre commande'. It displays the merchant information: ref-xyz.115, Numéro de commande: ORDTIS\_0000, Date: 23-11-2015 11:08:25, and Montant: 1000.00 OMUV. The 'Données de paiement' section asks for the payment code obtained via USSD. It shows a red arrow pointing to the 'Code de paiement' field, which contains '622658'. Below the field, a note says: 'Obtenez votre code de paiement en composant votre numéro USSD habituel. Vous recevrez votre code par SMS.' At the bottom are 'Confirmer' and 'Annuler' buttons.

Once MSISDN and OTP are filled in on the payment page, click on “Confirmer”:



... and the HTTP notification is posted to the `notif_url` you sent in the web payment request.

**Warning: make sure you have implemented the `notif_url` to have visibility on payment status, if not you will not be able to validate in real-time the order and change its status on your database**

### 3.3 Transaction Notification

The client has confirmed the transaction! Orange Money has just sent the Payment Notification to your `notif_url`

```
POST http://www.merchant-example2.org/notif
{
    "status": "SUCCESS",
    "notif_token": "dd497bda3b250e536186fc0663f32f40",
    "txnid": "MP150709.1341.A00073"
}
```

**Warning:** Do you remember the `notif_token` present in the web payment response? **Make sure this token matches the token sent in the notification POST.** This way, you will validate the authenticity of the notification.

## 4. Transactions Status API

### Developer

In addition to Transaction Notification, you can use the Transaction Status API that allows you to consult in real-time the current status of a payment. In practice, this can be useful for cases where notifications are not sent (e.g. when users don't validate their payments)

```
https://api.orange.com/orange-money-webpay/dev/v1/transactionstatus
Accept: application/json
Authorization: Bearer WI9VmGXfNB38s1e6A26Hob19AP2c
Content-Type: application/json
{
    "order_id": "MY_ORDER_ID_08082105_0023457",
    "amount": 1200,
    "pay_token":
    "f5720dd906203c62033ffe64ed75614785878b0ab2231d9c582b2908fca0ab9a"
}
```



```
201 Created
Content-Type: application/json; charset=utf-8

{
    "status": "SUCCESS",
    "order_id": "MY_ORDER_ID_08082105_0023457",
    "txnid": "MP150709.1341.A00073"
}
```



The status could take one of the following values: INITIATED; PENDING; EXPIRED; SUCCESS; FAILED

- INITIATED waiting for user entry
- PENDING user has clicked on “Confirmer”, the transaction is in progress on Orange side
- EXPIRED user has clicked on “Confirmer” too late (after token's validity)
- SUCCESS payment is done
- FAILED payment has failed

If the transaction is not tried (the customer doesn't do anything or returns to the Merchant site), the status stays in the INITIATED state. By default, the token's validity is 10 minutes. The passage from a PENDING state to SUCCESS or FAILED state is rapid.

## 5. API reference

You can find the API description with more details and error codes on the API reference.

## 6. Troubleshooting

### Developer

Error message	Description	Solution	Contact
Simulator – Authentication error	The developer is not able to log in to the simulator	Verify the test <b>Channel User</b> credentials are right. Login : MSISDN Merchant (ex: <b>7701900008</b> ) Pwd : id/login merchant (ex: <b>MerchantWP00008</b> )	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Web Payment - Notification is not received	The partner has not received the notification	Verify Notification URL of the partner	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Subscription to an application - Wrong parameter	Something went wrong in the exchange between OPE and Orange Money back end.	test this by creating a "'new'" application	<a href="https://developer.orange.com/support/contact-us">https://developer.orange.com/support/contact-us</a> ( <a href="https://developer.orange.com/support/contact-us">https://developer.orange.com/support/contact-us</a> )
Subscription to an application – Not seeing an offer	The developer cannot add the Web Pay API	Orange Money WebPay offers are hidden. developers must be invited to see them	Country Admin or Georgiana Cruceru ( <a href="mailto:georgiana.cruceru@orange.com">georgiana.cruceru@orange.com</a> ( <a href="mailto:georgiana.cruceru@orange.com">mailto:georgiana.cruceru@orange.com</a> ))
Subscription to an application - An error has occurred, please try again later		When the error appears at the first subscription please verify "Merchant Account Number". When the error appears at subscription after the developer deleted the subscription. The developer must create a new application and subscribe it again to the right Orange Money WebPay offer. A single application can be subscribed to a DEV offer and a single country. For a second country, the developer needs to create a new application.	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )

Error Developer message	Description	Solution	Contact
Using API – Unauthorized to access the API	Wrong country	check the URL the developer is requesting against the one(s) the application is subscribed for. It might be wrong otherwise check with a legit token /orange-money-webpay/dev/v1/webpayment HTTP/1.1	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Using API – Order already exists		The field "order_id" must be unique for the system. This one has already been used somewhere else "order_id": "TestOPE_001503"	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Using API – Unauthorized currency	a single currency is allowed per API offer	the correct one can be found in the related documentation WebPay DEV: OUV WebPay country: as per OMC Core platform	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Using the API: Transaction status resource	Returned Status: NOT FOUND	The issue lies with the value of the parameters (amount, order_id and application_id); all 3 must be correct simultaneously. The developer may want to double-check them. against their logs.	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )
Using the API: Payment failed		verify that you are well filled the OTP code in order to validate the payment transaction, with the correct MSISDN (client number)	<a href="mailto:sspo.incident@orange.com">sspo.incident@orange.com</a> ( <a href="mailto:sspo.incident@orange.com">mailto:sspo.incident@orange.com</a> )

## 7. List of common error codes

http code	API code	Message	Description	Comments
403	50	forbidden access to the api	access denied by ACL	'Unauthorized Access Layer' or 'Unauthorized applicationId' or 'Unauthorized country'
403	1201	forbidden access to the api	forbidden transaction	you are not allowed to do this action
403	1202	forbidden access to the api	invalid merchant key	your merchant key is wrong. you need to check it

http Code	API Code	Message	Description	Comments
403	1203	forbidden access to the api	Unauthorized currency for this country	Check the currency you put in your request
403	1204	forbidden access to the api	Order Already exists	The order_id must be unique in the system. Only one Token per order_id

Find us on

-  (<https://twitter.com/OrangeDev>)
-  (<https://www.linkedin.com/groups/2842716>)
-  ([https://www.youtube.com/channel/UC-H3yaXICSD461bn75c\\_X5A](https://www.youtube.com/channel/UC-H3yaXICSD461bn75c_X5A))
-  (<https://github.com/Orange-OpenSource>)

**Prod** (<https://developer.orange.com/products/>)

**Network API** (<https://developer.orange.com/network-apis/>)

**All APIs** (<https://developer.orange.com/all-apis/>)

**Verticals** (<https://developer.orange.com/verticals/>)

**Blog** (<https://developer.orange.com/blog/>)

**Resources** (<https://developer.orange.com/resources/>)

**Support** (<https://developer.orange.com/support/>)

**How to start** (<https://developer.orange.com/resources/quickstart/>)

**Frequently Asked Questions** (<https://developer.orange.com/support/faq/>)

**Contact Us** (<https://developer.orange.com/support/contact-us/>)

**About Us** (<https://developer.orange.com/about-us/>)

---

© Orange 2025   [Cookie settings](#)

[Terms and conditions](#)(<https://developer.orange.com/terms-and-conditions/>)

[Privacy notice](#)(<https://developer.orange.com/privacy-notice/>)

[Accessibility](#)(<https://developer.orange.com/accessibility-assessment/>)