

# Internet+ Box Technical description Using payment API

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<b>Summary:</b>	Set of API requests for Internet+ Box offer
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**VALIDATION**

	<b>Name</b>	<b>Department</b>	<b>Date</b>
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Since **11/17/2022 for Bouygues Telecom** and since **09/11/2023 for Orange**, **Internet+ Box payment APIs** are available for Content Providers to make payment requests (act, subscription, cancellation, refund, etc.)

These APIs will replace the SKIT or the MPS currently used by the Content Providers.

**Please note that this API is a server-to-server API.**

## 1. PREREQUISITES

---

To use the Internet+ Box APIs, you must have:

- An active shop defined by its identifier (merchantId)
- An access to the (new) multi-operator MSCA

This information is communicated by W-HA when the store is created. In case of loss, please contact the email address below:

[premium.facture@w-ha.com](mailto:premium.facture@w-ha.com)

### 1.1. MSCA ACCES

The MSCA allows you to:

- Configure your offers, act or subscription
- Fetch the parameters needed to use the API

The new MSCA is accessible by using this address:

⇒ <https://dcb-internet.w-ha.com/msca#/login>

Veillez vous identifier

Nom d'utilisateur \*

Mot de passe \*

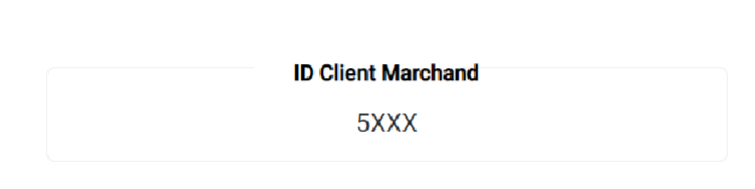
Valider

## 1.2. FETCHING YOUR USER IDENTIFIER (AUTHENTICATION)



Fetch and note your **client\_id** ("ID Client Marchand" in the MSCA)

Example :



*This is a 4-digit number that corresponds to your MerchantId (mctId)*

**client\_id :**  
5XXX

2°) Click on the "Nouveau secret" button (at the bottom of the MSCA)

**Nouveau secret**

*Get and write down your client\_secret that was just generated*

Example :

```
GQvd5RNGLMkfO7avqPGhPRtcL3PYQJodFKt8PxepjLt7Tnkk  
TrZJqWine0BqlecfaEDxwJlsyoJjudgrsupTGRWeDZZsj3MEk  
gzQnaWeVla97ODQs8J4rbrKMn5f7VuF
```

*The secret is made up of randomly generated numbers and letters.*

***client\_secret :***

```
GQvd5RNGLMkfO7avqPGhPRtcL3PYQJodFKt8PxepjLt7TnkkTrZJqWine0BqlecfaEDxwJlsy  
oJjudgrsupTGRWeDZZsj3MEkgzQnaWeVla97ODQs8J4rbrKMn5f7VuF
```

**These 2 pieces of information will be used in the authentication method for API requests.**


### 1.3. FETCHING AN OFFER IDENTIFIER (PAYMENT)

In the MSCA, click on « **Offre** » (in the le menu, on top of the MSCA)



Fetch and **note your ID Offre** for the Offer concerned

Example :

ID Offre	Nom offre	Type	Périodicité	Montant	Opérateurs
1111	souscription mensuelle : test	Abonnement	Mensuel	2	

The **ID Offre** is created by the Content Provider

**ID Offre :**

1111

---

## 2. CONTENT PROVIDERS API REQUESTS

---

### 2.1 AUTHENTICATION API REQUEST

The Authentication is mandatory to use the API request services.

#### 2.1.1. Client credentials calculation

The **client\_credentials** is obtained by encoding in Basic Auth (base 64) your **client\_id** and your **client\_secret**:

“Basic Auth” ([client\_id]:[client\_secret])

Example:

**client\_id:client\_secret**

wha\_pm\_516:ybHfCVjkF0dLrBTTxSUqhWoO3Rf38lyOG3Ap6jQS7cN5oFmqUH3jdEYaqRt  
GSRIRG0oMiZq0xhyJozadZnLq65morlPMSRrAZARcMAtFTIIKO0pS6ZSWyZIGarjamOA



You can check your encoding by comparing the result with the encoding tool available at <https://www.base64encode.org/> :

**Encode to Base64 format**

Simply enter your data then push the encode button.

---

```
wha_pm_516:GQvd5RNngLMkfO7avqPGhPRtcL3PYQJodFKt8PxeplT7TnkkTrZJqWine0BqlecfAEDxwJlsyoJjudgrsupTGRWeDZzsj3MEkgzQnaWeVla97ODQs8J4rbrkMn5f7VuF
```

📘 To encode binaries (like images, documents, etc.) use the file upload form a little further down on this page.

UTF-8 ▼ Destination character set.

LF (Unix) ▼ Destination newline separator.

Encode each line separately (useful for when you have multiple entries).

Split lines into 76 character wide chunks (useful for MIME).

Perform URL-safe encoding (uses Base64URL format).

Live mode OFF Encodes in real-time as you type or paste (supports only the UTF-8 character set).

> ENCODE < Encodes your data into the area below.

```
d2hhX3BtXzUxNjU5YkhmQ1Zqa0YwZExyQIRUeFNvcWhXb08zUmYzOGx5T0czQXA2aIFTN2NONW9GbXFVSHkzamRFWWFwUnRHU1JJUkcwb01pWnEweGh5Sm96YWRabkxxNjVtb3JsUE1TUUnJBWkFSY01BdEZUSWxLTzBwUzZaU1d5WklHYXJqYW1PQQ==
```

**WARNING:** in the tool, do not leave a space before or after the ':' separating the **client\_id** and the **client\_secret**, nor at the end of the line.

***client\_credentials :***

```
d2hhX3BtXzUxNjU5YkhmQ1Zqa0YwZExyQIRUeFNvcWhXb08zUmYzOGx5T0czQXA2aIFTN2NONW9GbXFVSHkzamRFWWFwUnRHU1JJUkcwb01pWnEweGh5Sm96YWRabkxxNjVtb3JsUE1TUUnJBWkFSY01BdEZUSWxLTzBwUzZaU1d5WklHYXJqYW1PQQ==
```

## 2.1.2 Authentication request (Token)

For each request, the JWT token (currently valid) must be transmitted in the request headers.

### REQUEST POST

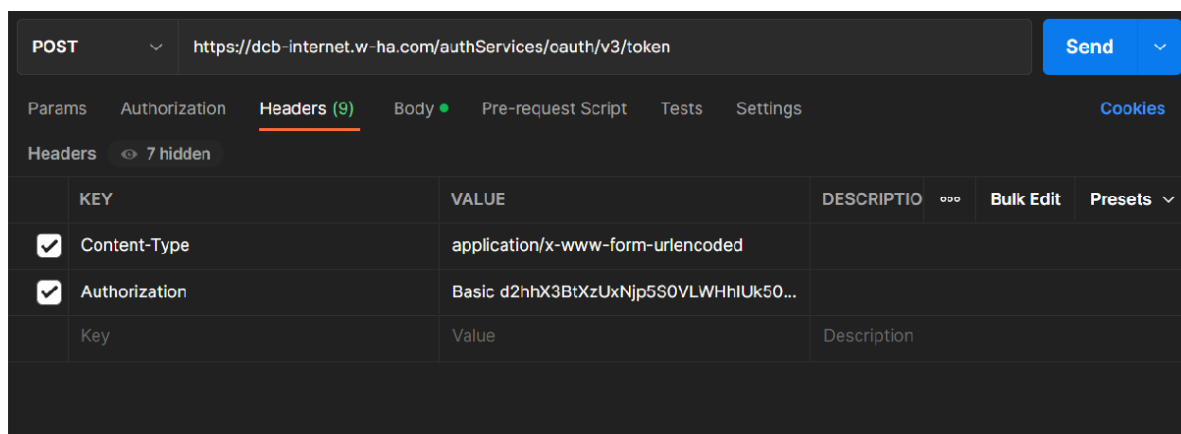
<b>URL</b>
<a href="https://dcb-internet.w-ha.com/authServices/oauth/v3/token">https://dcb-internet.w-ha.com/authServices/oauth/v3/token</a>

Header	
Key	Value
Content-Type	application/x-www-form-urlencoded
Authorization	Basic [client_credentials]

### Example of Header :

```
Content-Type: application/x-www-form-urlencoded
Authorization: Basic
d2hhX3BtXzUxNjp5YkhmQ1Zqa0YwZExyQ1RUeFNVcWhXb08zUmYzOGx5T0czQXA2a1FT
N2NONW9GbXFVSHkzamRFWWFmUnRHU1JUUkcwb01pWnEweGh5Sm96YWRabkxxNjVtb3Js
UE1TUUnJBWkFSY01BdEZUSWxLTzBwUzZaU1d5WklHYXJqYW1PQQ==
```

### Example of Header with Postman :



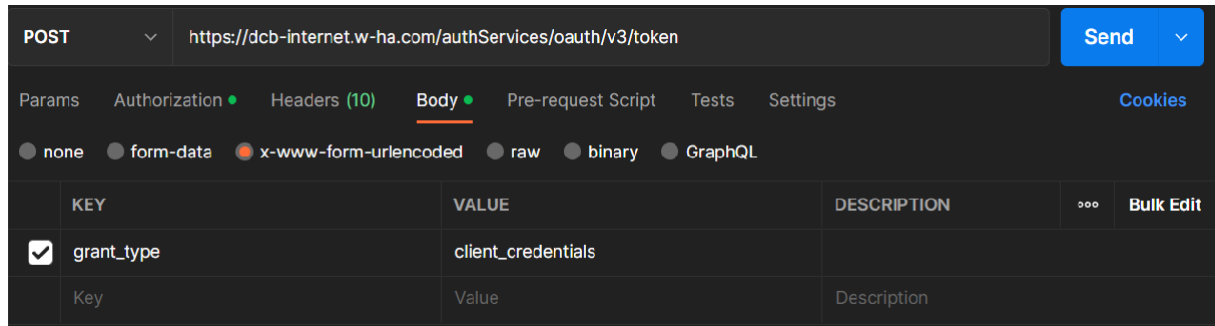
The screenshot shows the Postman interface for a POST request. The URL is `https://dcb-internet.w-ha.com/authServices/oauth/v3/token`. The 'Headers' tab is selected, showing two headers:

KEY	VALUE	DESCRIPTIO	Bulk Edit	Presets
<input checked="" type="checkbox"/> Content-Type	application/x-www-form-urlencoded			
<input checked="" type="checkbox"/> Authorization	Basic d2hhX3BtXzUxNjp5S0VLWHhIUk50...			
Key	Value	Description		

### Example of Body raw Text request:

```
grant_type=client_credentials
```

### Example of request with Postman:



The screenshot shows the Postman interface for a POST request. The URL is `https://dcb-internet.w-ha.com/authServices/oauth/v3/token`. The request body is set to 'raw' and contains the text `grant_type=client_credentials`. The interface includes tabs for Params, Authorization, Headers (10), Body, Pre-request Script, Tests, and Settings. A table below the body tab shows the key-value pair for the body content.

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> grant_type	client_credentials			
Key	Value	Description		

### Example of cURL request:

```
curl --location 'https://dcb-internet.w-ha.com/authServices/oauth/v3/token' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--header 'Authorization: Basic d2hhX3BtXzUxNjp5YkhhMzQ1Zqa0YwZExyQlRUeFNVcWhXb08zUmYzOGx5T0czQXA2a1FTN2NONW9GbXFVSHkzamRFWWFxUnRHU1JlUkcb01pWnEweGh5Sm96YWRabkxxNjVtb3JsUE1TUUnJBWkFSY01BdEZUSWxLTzBwUzZaU1d5WklHYXJqYW1PQQ==' \
--data-urlencode 'grant_type=client_credentials'
```

### Example of HTTP request :

```
POST /authServices/oauth/v3/token HTTP/1.1
Host: dcb-internet.w-ha.com
Content-Type: application/x-www-form-urlencoded
Authorization: Basic
d2hhX3BtXzUxNjpw5YkhhmQ1Zqa0YwZExyQ1RUeFNvcWhXb08zUmYzOGx5T0czQXA2alFT
N2NONW9GbXFVSHkzamRFWWFxUnRHU1JJUkcwb01pWnEweGh5Sm96YWRabkxxNjVtb3Js
UE1TUUnJBWkFSY01BdEZUSWxLTzBwUzZaU1d5WklHYXJqYW1PQQ==
Content-Length: 29

grant_type=client_credentials
```

### RESPONSE

Parameters	
Value	Description
access_token	Token ID
expires_in	Time in seconds before token expires
token_type	Type of token

### Example of response:

```
{  
  "access_token": "eyJraWQiOiJkZjAyOTNiNi1lNDRkLTQyZDQtOWJmNC0xMGEwM2M0MGY2NTAiLCJhbGciOiJFUzI1NjJ9.eyJpc3MiOiI1Njc5IiwiaXNjaXhwIjoxNjY5MTI3MTIxLCJpYXQiOiJlNjc5In0.TEarWI3P5C_0dECI_EIxJtf01AufTGSuWSwxZgt_k5yrOyrl7n-odiEInDTX5qK5It4F3smdK1-aDpx5iXGCdw",  
  "expires_in": "3600",  
  "token_type": "Bearer",  
}
```

**Be careful, this token has a lifespan of 60 minutes before it expires!**

## 2.2 CREATION OF PAYMENT SESSION REQUEST (ACT AND SUBSCRIPTION)

### 2.2.1 Description

For a user to access to the Operator Payment Page (PPO), it is necessary to generate a **paymentPanelUrl**. This request allows to create a payment session for both Act and Subscription.

The user must then be redirected to the PPO, so that he can validate the purchase / subscription.

#### Orange



#### Votre récapitulatif de paiement

LOGO

Nom boutique / Achat à l'acte

En confirmant votre achat, vous allez acheter à l'acte Nom boutique sur Mobile au prix de : **2,49€ TTC**

Ce montant sera reporté sur votre facture internet Orange.

**Confirmer votre achat**

[Annuler votre achat](#)

[Voir les conditions spécifiques de paiement Orange >](#)

Conditions que vous acceptez en confirmant votre achat

Bytel :



When the user clicks on the "Confirmer l'achat" button:

- For the act, the transaction (trxID) is created in **AUTHORIZED** status, **waiting for the confirmation.**
- For subscription, the subscription (subID) will be in "PENDING" status and the linked transaction (trxID) will be in **AUTHORIZED** status **awaiting confirmation.**

The user is then redirected by W-HA platform to the Content Provider's website, which can retrieve the transaction ID (trxId) and the subscription ID (subId) - if applicable - in the Querystring.

**Be careful:** do not use the VPN or proxy and be sure to use an Orange or Bouygues Telecom IP adress

Example of return/redirection Url after user payment validation:

<https://www.site-editeur.com/?trxId=34e4b387-bbad-4140-80dd-f61a21068e4e&requestMerchantId=062ec1a8-a47a-4eca-a563-5bc2b4fbca00&sid=14d71196-58ca-45ac-a1af-bdbbc3b00a5f&subId=399f3023-bd19-44b5-a33b-e2c5b4c89840&action=purchaseSuccess&h=bd4e2f750ba85e3da63e9f56b71dcbd7d07920207228d8c170675991f22c6b2a>

*This URL contains several parameters enriched by W-HA following payment validation by the user from the operator page.*

*And it is possible to set the redirection URL (in the event of a successful or cancelled purchase) from the MSCA.*

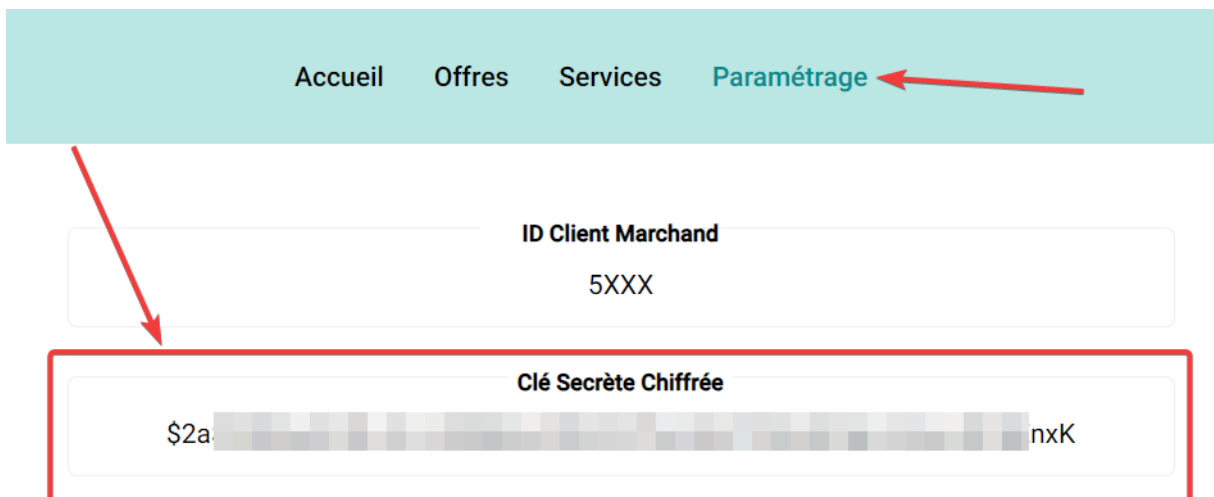
<b>Paramètres</b>	
<b>Value</b>	<b>Description</b>
trxId	transaction ID
requestMerchantId	Request ID assigned by the merchant at the time of the initial request
subId	Subscription ID linked to transaction (subscription only)
action	Determines transaction success/failure
h	Hmac-256 calculated by W-HA using different parameters above (URL-encoded).

Values of « action » parameters :

Valeur	Description
purchaseSuccess	Successful purchase
purchaseFailure	Purchase cancelled / failed

The Hmac is calculated in SHA256, encrypted according to the encrypted merchant secret and in hexadecimal format, based on URL parameters (URL-encoded, list below).

You can retrieve your encrypted merchant secret from your MSCA :



## 2.2.2 Payment creation request

### REQUEST POST

<b>URL</b>
<a href="https://dcb-internet.w-ha.com/authServices/getPaymentSession">https://dcb-internet.w-ha.com/authServices/getPaymentSession</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-Type	application/json

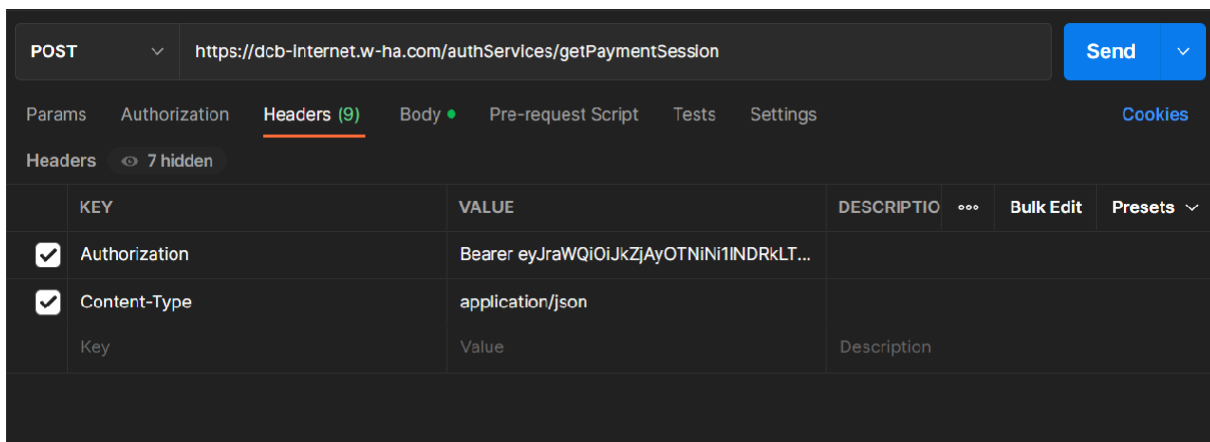


**Example of Header :**

```

Authorization: Bearer
eyJraWQiOiJkZjAyOTNiNi1lNDRkLTQyZDQ0OWJmNC0xMGEwM2M0MGY2NTAiLCJhbGciOiJFUzI1NiJ9.eyJpc3MiOiJ3aGFfcG1fNTE2IiwiaXhwIjozNjY5MzcxNDk1LCJpYXQiOiJlMTYifQ.hvciuXOIsQIaiVrERVXkgewpAafFj2S1YGBgMbvZwR7X04aWh3W6DRKET49U0CYxdICxTpSiTmM0rpYMr_eNlg
Content-Type: application/json
  
```

**Example of Header with Postman:**



Parameters	
Value	Description
requestMerchantId	Merchant request ID
clientIp	User IP address
offerId	Offer ID on MSCA

Where :

- requestMerchantId: unique request identifier, defined by the Content Provider (idempotency management)
- clientIp: IP of the client, allowing it to be redirected to the PPO of the right operator (Orange or Bouygues).
- offerId: offer identifier (offer ID in MSCA) considered.

**Example of Body JSON request:**

```

{
  "requestMerchantId": "0e0f3f3a-aeda-48a1-9be7-81a9426b4381",
  "clientIp": "257.234.340.55",
  "offerId": "1111"
}
  
```



## RESPONSE

Response description	
Value	Description
clientIp	User IP adress
offerId	Offer ID on MSCA
operatorId	Operator Identification
operatorUrl	URL of the operator
id	Payment session ID
paymentPanelUrl	Payment Panel URL
expirationDate	End of payment session

### Example:

```
{
  "clientIp": "257.234.340.55",
  "offerId": "1111",
  "operatorId": "ByTel",
  "operatorUrl": "https://dcb-internet-bytel.w-ha.com",
  "paymentSession": {
    "id": "af6b711a-a205-4f6b-9d41-a71a28cca0bb",
    "paymentPanelUrl": "https://gerermesabonnementsbox.bouyguestelecom.fr/app-purchase?sid=af6b711a-a205-4f6b-9d41-a71a28cca0bb",
    "expirationDate": "2022-11-22T08:26:02.37"
  }
}
```

## 2.3 ACT API REQUEST

### 2.3.1 Purchase confirmation

#### 2.3.1.1 Description

A purchase transaction must be confirmed by the Content Provider (change from the Authorized status to the Confirmed status).

The confirmation definitively validates the transaction, and the postponement of the payment on the User invoice (for its next period).

L'action de confirmation doit être faite avant la date d'expiration de la transaction. Par défaut, une transaction reste à l'état autorisé pendant une durée de 24 heures.

The confirmation action must be done before the expiration date of the transaction. By default, a transaction remains in the authorized status for a duration of 24 hours.

The transaction confirmation requires a **transactionId** of a transaction in **AUTHORIZED** status.

### 2.3.1.2 Purchase confirmation request

#### REQUEST POST

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/confirm">https://dcb-internet-bytel.w-ha.com/trxServices/confirm</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/confirm">https://dcb-internet-oge.w-ha.com/trxServices/confirm</a>

<b>Header</b>	
<b>Key</b>	<b>Value</b>
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameters</b>	
<b>Value</b>	<b>Description</b>
transactionId	Transaction identifier

#### Example of Body JSON request:

```

{
  "transactionId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223"
}
```

#### RESPONSE

<b>Response description</b>
-----------------------------

Value	Description
transactionId	transaction identifier
creationDate	transaction creation date
confirmOrCancelDate	date of transaction confirmation or cancellation
userId	user identifier
status	transaction status
trxAmount	Transaction amount

**Response example :**

```
{  
  "transactionId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223 ",  
  "creationDate": "23-02-2021 12:21:36",  
  "confirmOrCancelDate": "24-02-2021 09:00:18",  
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",  
  "status": "CONFIRMED",  
  "trxAmount": "4.99"  
}
```

Example of the mail received by the user:

a) Bytel

## Internet+ sur votre Bbox Il ne reste plus qu'à en profiter

Voilà, c'est fait, PHILIPPE-ETIENNE. Nous avons bien pris en compte votre commande du 07/12/2022.

On récapitule ?

### L'essentiel en un clin d'oeil

Votre service : Test Acte Session paiement  
Commercialisé par : W-HA PM 517  
Votre Identifiant I+ Box : 610000679615  
Votre N° de commande : t15b5ee3-42f9-4b5f-b085-  
fb2e6320857d  
Le prix : 2,95€ TTC

Cette commande sera **automatiquement** ajoutée sur votre prochaine facture Bbox ou sur la suivante.

## b) Orange



**orange** Le service clients Orange

Vous pouvez désormais profiter de [Nom du Service]

Numéro de compte Internet : [redacted]  
Numéro de transaction : [redacted]

Pour nous contacter : [assistance.orange.fr](https://assistance.orange.fr)

Bonjour,  
Nous avons le plaisir de vous confirmer votre achat du 05/08/2024 à 12h00 :

Service : [redacted]  
Description du service : [redacted]

La somme de 1.49 € sera reportée sur votre prochaine facture ou la suivante.

Rendez-vous dans votre [Espace Client](#) pour consulter votre suivi conso.

Pour tout savoir sur les achats multimédias Internet+ Box, [c'est par là !](#)

Merci de votre confiance  
Le service clients Orange

(1) sauf mention explicite de votre part demandant à obtenir la réponse par courrier postal

Merci de ne pas répondre à ce courrier électronique. Pour [nous contacter](#).  
Orange ne vous contactera jamais par téléphone, mail ou SMS, dans le seul but de vous demander votre mot de passe ou votre numéro de carte bancaire. [en savoir plus >](#)

Retrouvez Orange sur  

Orange, SA au capital de 10 640 226 396 euros - 111, quai du Président Roosevelt 92130 Issy-les-Moulineaux  
- RCS Nanterre 380 129 866

## 2.3.2 Transaction refund

### 2.3.2.1 Description

Any confirmed transaction can be refund, during a maximum period (which is configurable )  
An accepted refund request generates the creation of a refund transaction (trx\_type = 1), with **CONFIRMED** status.

Only refunds corresponding to the total amount of the initial transaction are authorized. Only one maximum refund per transaction.

Refunds require a **transactionId** of a confirmed transaction and a **refundReason**. It is also possible to add a **refundComment**.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the transactionId entered comes from a **Bytel** transaction, and vice versa.

The possible reasons for refunds (through Content Providers API) are as follow:

Reason for refund	
Reason refundReason	Description
EDITOR_MULTIPLE_ORDER	Multiple orders
EDITOR_MULTIPLE_BILLING	Ticket billed multiple times
EDITOR_NOT_DELIVERED	Service/product not delivered
EDITOR_CONTEST_PURCHASE	Contested purchase
EDITOR_OTHER	Other
EDITOR_BAD_CONNEXION	Interrupted connection or unfinished download
EDITOR_EXPECTATION	Service delivered does not meet the expectations
EDITOR_SUB_CLOSED	The subscription is terminated with the refund of its associated transaction
EDITOR_USER_ERROR	User mistakenly subscribed to a subscription several times
EDITOR_KID_PURCHASE	Kid purchase
EDITOR_CLOSED_SUBSCRIPTION	Transaction linked to a not wanted or terminated subscription
EDITOR_WRONG_PRODUCT	Wrong product

### 2.3.2.2 Refund transaction request

#### POST Request

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/refund">https://dcb-internet-bytel.w-ha.com/trxServices/refund</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/refund">https://dcb-internet-oge.w-ha.com/trxServices/refund</a>



<b>Header</b>	
<b>Key</b>	<b>Value</b>
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameter</b>	
<b>Valeur</b>	<b>Description</b>
transactionId	Transaction identifier
refundReason	Refund reason
refundComment	Commentary (open text)

**Example of Body JSON request:**

```
{
  "transactionId": "34e4b387-bbad-4140-80dd-f61a21068e4e",
  "refundReason": "EDITOR_EXPECTATION",
  "refundComment": "customer asked for refund"
}
```

**RESPONSE**

<b>Response Description</b>	
<b>Value</b>	<b>Description</b>
transactionId	Transaction identifier
creationDate	Transaction creation date
confirmOrCancelDate	Transaction confirmation or cancellation date
userId	User identifier
status	Transaction status
trxAmount	Transaction amount
refundTrxId	Transaction refund identifier
refundTrxDate	Refund date

**Example of response :**

```
{  
  "transactionId": "34e4b387-bbad-4140-80dd-f61a21068e4e ",  
  "creationDate": "23-02-2021 12:21:36",  
  "confirmOrCancelDate": "24-02-2021 09:00:18",  
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",  
  "status": "REFUNDED",  
  "trxAmount": "4.99",  
  "refundTrxId": "t89a4348-c835-4bb5-9d3e-8d76fe4a527a",  
  "refundTrxDate": "15-03-2021 12:21:36"  
}
```

**Example of message receives by the user:**

**a) Bytel :**


## Internet+ sur votre Bbox C'est validé de notre côté

On tenait à vous prévenir aussitôt, PHILIPPE-ETIENNE : vous serez remboursé de votre commande du 07/12/2022 sous forme d'avoir sur votre prochaine facture Bbox ou la suivante.

### L'essentiel en un clin d'oeil

Le service concerné : Test Acte Session paiement  
Commercialisé par : W-HA PM 517  
Votre Identifiant I+ Box : 610000679615  
Votre N° de commande : t14e7601-985d-42af-8b38-  
34a2fe5c4983  
Le prix : 2,95€ TTC


b) Orange




Le service clients Orange

Nous vous remboursons 1.49 €

---

 Numéro de compte Internet : [redacted]  
Numéro de transaction : [redacted]

---

 Pour nous contacter : [assistance.orange.fr](https://assistance.orange.fr)

---

Bonjour,  
Nous allons vous rembourser la somme de 1.49 € le 05/08/2024 à 14h12. Elle correspond à l'achat du service [Nom du service] du 05/08/2024 à 12h00.



Pour tout savoir sur les achats multimédias Internet+ Box, [c'est par là!](#)

Merci de votre confiance  
Le service clients Orange

(1) sauf mention explicite de votre part demandant à obtenir la réponse par courrier postal

Merci de ne pas répondre à ce courrier électronique. Pour [nous contacter](#).  
Orange ne vous contactera jamais par téléphone, mail ou SMS, dans le seul but de vous demander votre mot de passe ou votre numéro de carte bancaire. [en savoir plus >](#)

---

Retrouvez Orange sur  

Orange, SA au capital de 10 640 226 396 euros - 111, quai du Président Roosevelt 92130 Issy-les-Moulineaux  
- RCS Nanterre 380 129 866

### 2.3.3. Cancellation of a transaction

#### 2.3.3.1 Description

A purchase transaction can be canceled by the Content Provider (change from **AUTHORIZED** to **CANCELLED** status).

Cancellation permanently invalidates the transaction, the end user will not be charged.

The cancellation action must be done before the expiration date of the transaction.

If a transaction in **AUTHORIZED** status is not confirmed, it automatically changes to **CANCELED** status after 24 hours. It can no longer be confirmed.

Cancellations require a **transactionId** of a transaction in **AUTHORIZED** status.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the **transactionId** entered comes from a **Bytel** transaction, and vice versa.

#### 2.3.3.2 Cancellation transaction request

##### POST Request

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/cancel">https://dcb-internet-bytel.w-ha.com/trxServices/cancel</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/cancel">https://dcb-internet-oge.w-ha.com/trxServices/cancel</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameters</b>	
Value	Description
transactionId	Transaction identifier

##### Example of request Body JSON:

```
{
  "transactionId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223"
}
```

## RESPONSE

Description of the response	
Value	Description
transactionId	Transaction identifier
creationDate	Transaction creation date
confirmOrCancelDate	Date of transaction confirmation or cancellation
userId	User identifier
status	Transaction status
trxAmount	Transaction amount

### Exemple de réponse :

```
{
  "trxId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223 ",
  "creationDate": "23-02-2021 12:21:36",
  "confirmOrCancelDate": "24-02-2021 09:00:18",
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
  "status": "CANCELED",
  "trxAmount": "4.99"
}
```

## 2.3.4 Transaction Consultation

### 2.3.4.1 Description

Any transactions that exist on SI W-HA can be consulted on this API.

This service allows the Content Provider to check the status of the transaction considered, the possible date before expiration (if **AUTHORIZED** status), the possible refund information.

The user ID is also returned.

The consultations require a **transactionId** of an existing transaction.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the **transactionId** entered comes from a **Bytel** transaction, and vice versa.

### 2.3.4.2 Transaction consultation request

#### REQUEST POST

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/consultTransaction">https://dcb-internet-bytel.w-ha.com/trxServices/consultTransaction</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/consultTransaction">https://dcb-internet-oge.w-ha.com/trxServices/consultTransaction</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameters</b>	
Value	Description
transactionId	Transaction identifier

#### Example of request Body JSON:

```
{
  "transactionId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223"
}
```

#### RESPONSE

<b>Description of the response</b>	
Value	Description
transactionId	Transaction identifier
creationDate	Transaction creation date
confirmOrCancelDate	Date of transaction confirmation or cancellation
userId	User identifier
status	Transaction status
trxAmount	Transaction amount
refundTrxId	Refund transaction identifier
refundTrxDate	Refund date

**Example :**

```
{
  "transactionId": "09ad4afd-14c1-4bee-a74e-c13f4ca2c223 ",
  "creationDate": "23-02-2021 12:21:36",
  "confirmOrCancelDate": "24-02-2021 09:00:18",
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
  "status": "REFUNDED",
  "trxAmount": "4.99",
  "refundTrxId": "t89a4348-c835-4bb5-9d3e-8d76fe4a527a",
  "refundTrxDate": "15-03-2021 12:21:36"
}
```

## 2.4 SUBSCRIPTION API REQUEST

### 2.4.1 Subscription confirmation

#### 2.4.1.1 Description

A new subscription **must be confirmed** by the Content Provider. The confirmation definitively validates the subscription (as well as the associated transaction), and future billing for the end user.

- Subscription goes into **CONFIRMED** status
- Transaction goes into **CONFIRMED** status

The subscription confirmation action must be made within 24 hours of the subscription date. Throughout this period, the subscription remains in the "**PENDING**" status.

Without confirmation action, after 24 hours:

- The subscription (**PENDING**) will be canceled (**CLOSED\_BY\_NOT\_CONFIRMED**)
- The transaction (**AUTHORIZED**) will be canceled (**CANCELLED**)

Confirmations require a **subId** of a subscription in **CONFIRMED** status.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the **subId** entered comes from a **Bytel** transaction, and vice versa.

### 2.4.1.2 Confirm subscription request

#### POST Request

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/confirmSubscription">https://dcb-internet-bytel.w-ha.com/trxServices/confirmSubscription</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/confirmSubscription">https://dcb-internet-oge.w-ha.com/trxServices/confirmSubscription</a>

Header	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

Paramètres	
Value	Description
subId	Subscription identifier

#### Exemple de requête Body JSON:

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572"
}
```

#### REPONSE

Description de la réponse	
Valeur	Description
subId	Subscription identifier
status	Subscription status
subscriptionDate	Subscription date
chargeNextDate	Next renewal date
subscriptionClosingDate	Subscription end date
userId	User identifier
offerId	Offer identifier
offerPeriodicity	Offer periodicity
offerAmount	Offer amount



transactionId	Transaction identifier
creationDate	Transaction creation date
confirmOrCancelDate	Date of transaction confirmation or cancellation
userId	User identifier
status	Transaction status
trxAmount	Transaction amount

**Example :**

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572",
  "status": "ACTIVE",
  "subscriptionDate": "23-02-2021 12:21:36",
  "chargeNextDate": "23-03-2021 12:21:36",
  "subscriptionClosingDate": "16-05-2021 12:21:36",
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
  "offer": {
    "offerId": "OFFER01",
    "offerPeriodicity": "WEEKLY",
    "offerAmount": "4.99"
  },
  "trxList": [
    {
      "transactionId": "tfb02e9f-92cf-4ba5-b14e-dc6e89636c98",
      "creationDate": "23-02-2021 12:21:36",
      "confirmOrCancelDate": "24-02-2021 09:00:18",
      "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
      "status": "CONFIRMED",
      "trxAmount": "4.99"
    }
  ]
}
```

Example of mail received by the user:

a) Bytel :

## Internet+ sur votre Bbox Un petit récapitulatif s'impose

Voilà, c'est fait : vous allez pouvoir profiter de votre nouveau service, PHILIPPE-ETIENNE.

### L'essentiel en un clin d'oeil

Votre service : Test abo hebdo  
Commercialisé par : W-HA PM 517  
Votre Identifiant I+ Box : 610000679615  
Votre N° d'abonnement : s151ed3fd8-1e7f-48e8-81ad-4acc89433a17

Périodicité de l'abonnement  
Le prix : 2,95€ TTC chaque semaine

**C'est ce prix qui s'appliquera à la fin de la période de promotion ou de gratuité si vous en bénéficiez.**

Cet abonnement sera **automatiquement** :

- ajouté sur votre prochaine facture Bbox ou sur la suivante
- reconduit chaque semaine, s'il n'y a pas d'action de votre part

b) Orange :



Le service clients Orange

Vous pouvez désormais profiter de [Nom du service]

Numéro de compte Internet : [redacted]  
Numéro d'abonnement : [redacted]

Pour nous contacter : [assistance.orange.fr](https://assistance.orange.fr)

Bonjour,  
Nous avons le plaisir de vous informer de la prise en compte de votre demande d'abonnement au service [Nom du service]

À partir du 05/08/2024 à 16h15, cet abonnement vous sera facturé 0.05 € TTC par semaine.  
Ce montant sera reporté sur votre facture mensuelle Internet.

Rendez-vous dans votre [Espace Client](#) pour consulter votre suivi conso et résilier cet abonnement si vous ne souhaitez pas le renouveler.

Pour tout savoir sur les achats multimédias Internet+ Box, [c'est par là !](#)

Merci de votre confiance  
Le service clients Orange

(1) sauf mention explicite de votre part demandant à obtenir la réponse par courrier postal

Merci de ne pas répondre à ce courrier électronique. Pour [nous contacter](#), Orange ne vous contactera jamais par téléphone, mail ou SMS, dans le seul but de vous demander votre mot de passe ou votre numéro de carte bancaire. [en savoir plus >](#)

Retrouvez Orange sur  

Orange, SA au capital de 10 640 226 396 euros - 111, quai du Président Roosevelt 92130 Issy-les-Moulineaux  
- RCS Nanterre 380 129 866

## 2.4.2 Terminate a subscription

### 2.4.2.1 Description

The service makes it possible to terminate an active subscription (**ACTIVE**), or not yet confirmed (**PENDING**).

Cancellations require a **subId** of a subscription in **CONFIRMED** status.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the **subId** entered comes from a **Bytel** transaction, and vice versa.

### 2.4.2.2 Termination of subscription request

#### POST Request

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/terminateSubscription">https://dcb-internet-bytel.w-ha.com/trxServices/terminateSubscription</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/terminateSubscription">https://dcb-internet-oge.w-ha.com/trxServices/terminateSubscription</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameters</b>	
Value	Description
subId	Subscription identifier
terminationType	Type of cancellation

**terminationType** can be equal to :

- **CLOSED\_BY\_REQUEST** :

Immediate termination of the subscription

Immediate change of subscription status (**ACTIVE** → **CLOSED**)

**The subscription is closed (CLOSED) on the date of the termination request**

- **CLOSED\_BY\_REQUEST\_AT\_DUE** :

Cancellation at the end of the current period

The subscription status remains unchanged at the time of the request.

**The subscription will be terminated (CLOSED) on the date scheduled for the next renewal.**

**Example of Body JSON request:**

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572",
  "terminationType": "CLOSED_BY_REQUEST"
}
```

**RESPONSE**

Description de la réponse	
Valeur	Description
subId	Subscription identifier
status	Subscription status
subscriptionDate	Subscription date
subscriptionClosingDate	Subscription end date
userId	User identifier
offerId	Offer identifier
offerPeriodicity	Offer periodicity
offerAmount	Offer amount

**Example :**

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572",
  "status": "CLOSED_BY_REQUEST",
  "subscriptionDate": "23-02-2021 12:21:36",
  "subscriptionClosingDate": "03-03-2021 18:42:36",
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
  "offer": {
    "offerId": "OFFER01",
    "offerPeriodicity": "WEEKLY",
    "offerAmount": "4.99"
  }
}
```

Example of the mail received by the user:

a) Bytel :

## Internet+ sur votre Bbox

# On va résilier votre abonnement

PHILIPPE-ETIENNE, vous nous avez demandé d'arrêter votre abonnement au service test paiement session.  
On l'a bien pris en compte et votre abonnement prendra fin le **07/01/2023**.

## Un petit rappel pour mémoire ?

Le service résilié : test paiement session  
Commercialisé par : W-HA PM 517  
Votre Identifiant I+ Box : 610000679615  
Votre N° d'abonnement : s1cf8d3cc7-a9c9-468e-8164-  
66f3be075896

b) Orange :



The screenshot shows an email from Orange with the following content:

**Le service clients Orange**

**Votre abonnement à [Nom du service] est terminé**

Numéro de compte Internet : [redacted]  
Numéro d'abonnement : [redacted]

Pour nous contacter : [assistance.orange.fr](https://assistance.orange.fr)

Bonjour,  
Nous vous informons que votre abonnement au service [Nom du service], s'est terminé le 05/08/2024 à 16h29.

Pour tout savoir sur les achats multimédias Internet+ Box, [c'est par là !](#)

Merci de votre confiance  
Le service clients Orange

(1) sauf mention explicite de votre part demandant à obtenir la réponse par courrier postal

Merci de ne pas répondre à ce courrier électronique. Pour [nous contacter](#).  
Orange ne vous contactera jamais par téléphone, mail ou SMS, dans le seul but de vous demander votre mot de passe ou votre numéro de carte bancaire. [en savoir plus >](#)

Retrouvez Orange sur  

Orange, SA au capital de 10 640 226 396 euros - 111, quai du Président Roosevelt 92130 Issy-les-Moulineaux  
- RCS Nanterre 380 129 866

## 2.4.3 Consult subscription

### 2.4.3.1 Description

The service makes it possible to check the status of the subscription requested, the dates of subscription and of the next renewal (or closure, if applicable), the user identifier who has subscribed.

The detail of all the transactions associated with this subscription is also returned. Consultations require a **subId** from an existing subscription.

It's necessary to pay attention to the operator url called: the **Orange** operator url will return an error if the **subId** entered comes from a **Bytel** transaction, and vice versa.

### 2.4.3.2 Subscription consultation request

#### REQUETE POST

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/consultSubscription">https://dcb-internet-bytel.w-ha.com/trxServices/consultSubscription</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/consultSubscription">https://dcb-internet-oge.w-ha.com/trxServices/consultSubscription</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

<b>Parameters</b>	
Value	Description
subId	Subscription ID

#### Example of Body JSON request:

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572"
}
```



## RESPONSE

Description of the response	
Value	Description
subId	Subscription identifier
status	Subscription status
subscriptionDate	Subscription date
chargeNextDate	Next renewal date
subscriptionClosingDate	Subscription end date
userId	User identifier
offerId	Offer identifier
offerPeriodicity	Offer periodicity
offerAmount	Offer amount
transactionId	Transaction identifier
creationDate	Transaction creation date
confirmOrCancelDate	Date of transaction confirmation or cancellation
userId	User identifier
status	Transaction status
trxAmount	Transaction amount

### Example of response :

```
{
  "subId": "s1e656af-832a-465c-91bc-6beb7ba26572",
  "status": "ACTIVE",
  "subscriptionDate": "23-02-2021 12:21:36",
  "chargeNextDate": "23-03-2021 12:21:36",
  "subscriptionClosingDate": "16-05-2021 12:21:36",
  "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
  "offer": {
    "offerId": "OFFER01",
    "offerPeriodicity": "WEEKLY",
    "offerAmount": "4.99"
  },
  "trxList": [
    {
      "transactionId": "tfb02e9f-92cf-4ba5-b14e-dc6e89636c98",
      "creationDate": "23-02-2021 12:21:36",
      "confirmOrCancelDate": "24-02-2021 09:00:18",
      "userId": "u0aeb92f-4437-4ab2-a930-27612010ae52",
      "status": "CONFIRMED",
      "trxAmount": "4.99"
    }
  ]
}
```

## 2.4.4 Subscriptions list consultation

### 2.4.4.1 Description

The service returns a list of subscriptions:

- Retrieval of the list of all **ACTIVE** and **PENDING** status subscriptions associated with the store.

consultSubscriptions require a **userId** of an existing user

#### 2.4.4.2 Requête d'une consultation d'une liste d'abonnement

##### REQUETE POST

<b>URL Bytel</b>
<a href="https://dcb-internet-bytel.w-ha.com/trxServices/consultSubscriptions">https://dcb-internet-bytel.w-ha.com/trxServices/consultSubscriptions</a>
<b>URL Orange</b>
<a href="https://dcb-internet-oge.w-ha.com/trxServices/consultSubscriptions">https://dcb-internet-oge.w-ha.com/trxServices/consultSubscriptions</a>

<b>Header</b>	
Key	Value
Authorization	Bearer [access token]
Content-type	application/json

<b>Paramètres</b>	
Value	Description
userId	User Identifier

##### Example of Body JSON request:

```
{  
  "userId": "44a4e5d3-cfaa-4d6d-8ed6-95caeb22721e",  
  "history": 3  
}
```

## RESPONSE

Description response	
Value	Description
subId	Subscription identifier
status	Subscription status
subscriptionDate	Subscription date
chargeNextDate	Next renewal date
subscriptionClosingDate	Subscription end date
userId	User identifier
offerId	Offer identifier
offerPeriodicity	Offer periodicity
offerAmount	Amount of offer

### Example :

```
{
  [
    {
      "subscriptionId": "90028dd5-cc89-4dc5-8cb2-4c16cbffad7e",
      "status": "ACTIVE",
      "subscriptionDate": "23-11-2022 16:08:08",
      "chargeNextDate": "30-11-2022 16:08:08",
      "userId": "44a4e5d3-cfaa-4d6d-8ed6-95caeb22721e",
      "offer": {
        "offerId": "1111",
        "offerPeriodicity": "WEEKLY",
        "offerAmount": 3
      }
    },
    {
      "subscriptionId": "5548876e-19af-45e3-97c8-ca33e1ddfe83",
      "status": "PENDING",
      "subscriptionDate": "23-11-2022 16:08:13",
      "chargeNextDate": "30-11-2022 16:08:13",
      "userId": "44a4e5d3-cfaa-4d6d-8ed6-95caeb22721e",
      "offer": {
        "offerId": "3333",
        "offerPeriodicity": "WEEKLY",
        "offerAmount": 3
      }
    }
  ]
}
```

```
    }  
  },  
  {  
    "subscriptionId": "70b76075-921c-4caf-af44-3d5cc3fc8f10",  
    "status": "PENDING",  
    "subscriptionDate": "23-11-2022 16:08:20",  
    "chargeNextDate": "23-12-2022 16:08:20",  
    "userId": "44a4e5d3-cfaa-4d6d-8ed6-95caeb22721e",  
    "offer": {  
      "offerId": "4444",  
      "offerPeriodicity": "MONTHLY",  
      "offerAmount": 4  
    }  
  }  
]  
}
```

<-- End of the document -->