

# GET ONECLICK PAYMENT METHODS API Specification

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## Document Control

### Version Control

Version	Date	Author	Description of Change
0.1	08/03/19	Vaughan Morgan-Jones	Initial draft
0.2	14/04/19	Vaughan Morgan-Jones	Section 2.3: Added <i>originalTransactionId</i>
0.3	26/04/19	Vaughan Morgan-Jones	Review comments from Developers (Marcin Augustyn in USA-520)

### Distribution

External distribution is governed by requirements and will not be document here.

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### Document Purpose

The purpose of this document is to describe the GET ONECLICK PAYMENT METHODS API Operation to enable merchant developers to integrate their webpages with the UniversalPay Gateway. Refer to the API Specification – 0 – Overview document for how this API Operation is used in the merchant processes.

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## 1. Session Token API Operation

### 1.1 Session Token Request

#### 1.1.1 Format

POST Request

#### 1.1.2 Definition

Parameter	Data Type	Mandatory	Description
merchantId	Integer (18)	Y	The identifier for the merchant in the <b>Error! Unknown document property name.</b> provided at on-boarding
password	String (64)	Y	The merchant's password to the <b>Error! Unknown document property name.</b> provided at on-boarding
action	String (enum)	Y	Must be "GET_ONE_CLICK_ITEMS"
timestamp	Integer (13)	Y	Milliseconds since 1970-01-01 00:00:00
allowOriginUrl	String (255)	N	The merchant's URL that will make the Get OneClick Payment Methods Request (see Section 2). Cross-Origin Resource Sharing (CORS) headers will allow only this origin.
customerId	String (20)	Y	The customer identifier in merchant system that has previously been given to the <b>Error! Unknown document property name.</b> This will be used to search for the OneClick Payment Methods that will be returned to the merchant in the Get OneClick Payment Methods Response – Processed (section 2.3)

#### 1.1.3 Example

merchantId=1111111&password=klw74U6yt40mNo&action=GET\_ONE\_CLICK\_ITEMS&timestamp=1249751864238&allowOriginUrl=www.merchantsite.com&customerId=CUST1234

## 1.2 Session Token Response – Processed

### 1.1.4 Format

JSON

### 1.1.5 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "success"
merchantId	Integer (18)	The <i>merchantId</i> value received in the Session Token Request (section 1.1)
token	String (40)	The Session Token that is a one-time use, hexadecimal string The Session Token that must only be used for the Get OneClick Payment Methods Request (see Section 2) Session tokens are valid for 3600 second (1 hour) after which they expire Any requests with expired session tokens will be rejected
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processing-Time	Integer (6)	The time in seconds for the process to complete
additionalDe-tails	Array	Not used – will always be "{}" or not included

### 1.1.6 Example

```
{
  "result": "success",
  "resultId": "f52cc38a-7815-4f8c-8687-662cc63d56e9",
  "merchantId": "890490",
  "additionalDetails": {},
  "processingTime": 0,
  "token": "96b7d82e-349f-4880-9b8a-928636437c75"
}
```

## 1.3 Session Token Response – Not Processed

### 1.1.7 Format

JSON

### 1.1.8 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "failure"
errors	Array	List of issues
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processing-Time	Integer (6)	The time in seconds for the process to complete
additionalDe-tails	Array	Not used – will always be "{}" or not included

### 1.1.9 Example

```
{
  "result": "failure",
  "resultId": "bb248d1d-d657-4dbe-9f04-a279b384872c",
  "additionalDetails": {},
  "errors": [
    {
      "messageCode": "This field is required in [REQUEST]",
      "fieldName": "password"
    }
  ],
  "processingTime": 2
}
```

## 2. GET ONECLICK PAYMENT METHODS API Operation

### 2.1 Get OneClick Payment Methods Request

#### 2.1.1 Format

POST Request

#### 2.1.2 Definition

Parameter	Data Type	Mandatory	Description
merchantId	Integer (18)	Y	The identifier for the merchant in the <b>Error! Unknown document property name.</b> provided at on-boarding  This must be the same as that sent in the Session Token Request (section 1.1)
token	String (40)	Y	Session Token received in the Session Token Response – Processed (section 1.2)
action	String (enum)	N	Must be "GET_ONE_CLICK_ITEMS"  Used if the Auth/Purchase API Operation token is re-used, i.e. a Session token is not specifically requested for the GET ONECLICK PAYMENT METHODS API Operation

#### 2.1.3 Example

merchantId=1111111&token=abcde12345abcde12345

### 2.2 Get OneClick Payment Methods Response – Not Processed

#### 2.2.1 Format

JSON

#### 2.2.2 Definition

Parameter	Data Type	Description
result	String (40)	"failure"
errors	String Array	List of errors.
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processing-Time	Integer (6)	The time in seconds for the process to complete



### 2.2.3 Example

```
{  
  "result": "failure",  
  "resultId": "308802f2-224d-44f5-b256-8d9443a72770",  
  "additionalDetails": {},  
  "errors": [  
    { "messageCode": "This field is required in [TOKEN]", "fieldName": "token" }  
  ],  
  "processingTime": 173  
}
```

## 2.3 Get OneClick Payment Methods Response – Processed

### 2.3.1 Format

JSON

### 2.3.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "success"
tokenAction	String (40)	"GET_ONE_CLICK_ITEMS"
resultId	String (40)	Randomly generated, hexadecimal string; for future support calls reference
data	String Array	An array with the data for each OneClick Payment Method as a JSON File:
oneClickPayMethods	Array	
id	Integer (18)	A unique id provided by the <b>Error! Unknown document property name.</b>
payToken	String (100)	For payment cards this is the card token stored in the <b>Error! Unknown document property name.</b> ; For Alternate Payment Methods, this is a similar tokenisation method associated in the <b>Error! Unknown document property name.</b>
originalTransactionId	Integer (18)	For payment cards this is the original transaction id where the cardholder consented to have their card details saved for OneClick processing. This value <b>must</b> be used in the <i>cardOnFileInitialTransactionId</i> in the Session Token Request of the API AUTH-PURCHASE-VERIFY API Operation (see <i>API Specification - 2 - AUTH-PURCHASE-VERIFY - Direct API</i> )
paymentTypeLabel	String (20)	For payment cards, this is the Card Type, such as Visa or MasterCard; Alternate Payment Methods are not yet provided for – future releases
identifierLabel	String (40)	For payment cards, this is the last 4 digits of the card number, so that it can be used on the merchant's display method: **** 1234; For Alternate Payment Methods, this is an identifying feature of the type, such as the email address for PayPal
paymentInfoLabel	String (40)	If the Payment Solution ID is 500 (for payment cards) then this is the Name on Card; for PayPal this is email address

Parameter	Data Type	Description
expDateLabel	String (7)	For payment cards, this is the expiry date of the payment card; For Alternate Payment Methods, this is will be empty
logoUrl	String (150)	URL for the logo of the payment card to be shown
amount	BigDecimal (15.2 or 15.3)	Transaction amount used in the Confirmation Message, e.g. "Do you want to pay 20 EUR for XYZ Merchant"
currency	String (3)	Currency alphabetic code as defined in the ISO4217 standard used in the Confirmation Message
merchantName	String (150)	Name of the merchant used in the Confirmation Message
additionalDetails	String (40)	Not used
processingTime	Integer	Number of milliseconds it took to process the request

### 2.3.3 Example

```
{
  "result": "success",
  "tokenAction": "GET_ONE_CLICK_ITEMS",
  "resultId": "308802f2-224d-44f5-b256-8d9443a72770",
  "data": [
    "oneClickPayMethods": [
      {
        "id": "123456789",
        "payToken": "5512732598811111",
        "originalTransactionId": "11622153",
        "paymentTypeLabel": "Visa",
        "identifierLabel": "**** * 1234",
        "paymentInfoLabel": "CARDHOLDER NAME",
        "expDateLabel": "08/2021",
        "logoUrl": "http://visa.logos/"
      },
      {
        "id": "987654321",
        "payToken": "098623405608734",
        "originalTransactionId": "5684635",
        "paymentTypeLabel": "MasterCard",
        "identifierLabel": "**** * 6789",
        "paymentInfoLabel": "CARDHOLDER NAME",
        "expDateLabel": "04/2024",
        "logoUrl": "http://mastercardvisa.logos/"
      }
    ],
    "amount": "20.00",
    "currency": "GBP",
    "merchantName": "Merchant Name Inc."
  ],
  "processingTime": 33,
  "additionalDetails": {}
}
```

}