Technical Reference EVO Gateway

Get Oneclick Payment Methods API Specification

June 28, 2021

Simplifying Payments AROUND THE GLOBE

Changes in contrast to the previous document version

Chapter no.	Key word	Content of change	Author (initials)	Date
All		New document	CE	06/28/2021

Changes in contrast to the previous document version

About this document

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 EVO Gateway. Refer to the API Specification – 0 – Overview document for how this API Operation is used in the merchant processes.

Explanation of role-related terms

Three main roles exist in the complex scenario of payment processing. Depending on the perspective and situation at hand, two of these can act as customers, or two of them as service providers. To enable a clear distinction, systematic use will be made of the following terms:

Merchant or Client

Uses, in its capacity as merchant or services provider, the products of EVO Payments to settle payments for the goods or services it offers. Is the contract partner and thus the direct "customer" of EVO Payments.

Customer or end customer

Customers who purchase goods from the merchant or services from the service provider; are contractual partners of the merchant / service partner and not of EVO Payments.

EVO Payments

EVO Payments provides services connected with payment processing and acts as the link between the parties, especially the merchant / service provider and other establishments such as card organizations and other institutions involved in the processing of payments.

Terms in the EVO Payments XML language

All terms belonging to the EVO Payments XML language are displayed in "Consolas" font in this document (e. g. `additionalDetails`). If such XML terms are separated by line breaks, they do not have a hyphen, as this might lead to misunderstandings in the spelling of the programming terms. Thus, if an XML term is separated by a line break in this document, the line break must be ignored when programming.

Example:
Text in this document text in this document text in this document text in this document text in `additional Details` document text in this document text in this Dokument Text in …

Text when programming: `additionalDetails`

Note bulleting conventions

Two forms of note bulleting are used in this document:

> Notes providing useful (but not absolutely vital) information:

➥ Please note …

> Notes that must be observed under all circumstances to avoid the risk of functional problems:

! It is imperative that …

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1.   Session Token API Operation

1.1   Session Token Request

Format: POST Request.

Parameter	Data Type	Field length	Man-datory	Comment
merchantId	Integer	18	Yes	The identifier for the merchant in the EVO Gateway provided at on-boarding
password	String	64	Yes	The merchant's password to the EVO Gateway provided at on-boarding
action	String	(enum)	Yes	Must be **GET_ONE_CLICK_ITEMS**
timestamp	Integer	13	Yes	Milliseconds since 1970-01-01 00:00:00
allowOriginUrl	String	255	No	The merchant's URL that will make the Get Oneclick Payment Methods Request (section 2.1) Cross-Origin Resource Sharing (CORS) headers will allow only this origin.
customerId	String	20	No	Customer identifier in merchant system that has previously been given to the EVO Gateway 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 2.2).

Example

```
merchantId=1111111&password=klw74U6yt40mNo&action=GET_ONE_CLICK_
ITEMS&timestamp=1249751864238&allowOriginUrl=www.merchantsite.com&
customerId=CUST1234
```

1.2   Session Token Response – Processed

Format: JSON

Parameter	Data Type	Field length	Comment
result	String	40	Will always be **success**
merchantId	Integer	18	The **merchantId** value received in the Session Token Request (see section 1.1)

Parameter	Data Type	Field length	Comment
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 2.1)
			Session tokens are valid for 3600 seconds (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
processingTime	Integer	6	The time in seconds for the process to complete
additionalDetails	Array		Not used – will always be **{}** or not included

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

Format: JSON

Parameter	Data Type	Field length	Comment
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
processingTime	Integer	6	The time in seconds for the process to complete
additionalDetails	Array		Not used – will always be **{}** or not included

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

Format: POST Request

Parameter	Data Type	Field length	Mandatory	Comment
`merchantId`	Integer	18	Yes	The identifier for the merchant in the EVO Gateway provided at on-boarding This must be the same as that sent in the Session Token Request (section 1.1).
`token`	String	40	Yes	Session Token received in the Session Token Response – Processed (section 1.2)
`action`	String	enum	No	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.

Example

`merchantId=1111111&token=abcde12345abcde12345`

2.2 Get Oneclick Payment Methods Response – Processed

Format: JSON

Parameter	Data Type	Field length	Comment
`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 EVO Gateway
`payToken`	String	100	For payment cards this is the card token stored in the EVO Gateway. For Alternate Payment Methods, this is a similar tokenization method associated in the EVO Gateway.

Parameter	Data Type	Field length	Comment
original TransactionId	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 must be used in the **cardOnFile InitialTransactionId** in the Session Token Request of the API AUTH-PURCHASE-VERIFY API Operation (see "Technical Reference EVO Gateway Auth / Purchase / Verify (Direct API Integration")
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 e-mail 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 e-mail address.
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	Big Decimal	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 ISO 4217 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

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": {}
}
```

2.3 Get Oneclick Payment Methods Response – Not Processed

Format: JSON

Parameter	Data Type	Field length	Comment
result	String	40	Will always be **failure**
errors	String Array		List of errors
resultId	String	40	Hexadecimal string that is to be used in any support request calls
processingTime	Integer	6	The time in seconds for the process to complete

Example

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