

LOAD ONECLICK BUTTONS API Specification

Version 0.1

Version Date: 08/03/2019



Notice: The information in this document is confidential and proprietary to EVO and is only intended for use by merchant customers of EVO, internal staff, and authorised business partners of EVO.

This document is protected by copyright restricting its use, replication in any format, and distribution. No part of this document may be reproduced in any form by any means without the express permission of EVO.

EVO reserves the right to amend, delete or add to the contents of the document, at any time, and to make improvements and/or changes to the products and/or programmes described in this document.

Every reasonable attempt will be made to ensure that the contents of the document are accurate, and a true reflection of the products and programmes described herein. However, EVO will not be held liable for any inaccuracies of any nature, however communicated by EVO.

EVO and other trademarks are trademarks or registered trademarks of their respective owners.

All other product names mentioned in this document are the trademarks of their respective owners.

© EVO 2017

Document Control

Version Control

Version	Date	Author	Description of Change
0.1	08/03/19	Vaughan Morgan-Jones	Initial draft

Distribution

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

Name	Initials	Title	Organisation	RACI
Robert Nemcsics	RN	Chief Operating Officer	UniversalPay	A
Graeme Blyth	GB	Head of Business Development	UniversalPay	R, I
Rafael Culebras	RC	Development Team Leader	UniversalPay	R, I
Piotr Tomaszewski	PT	Technical Architect	UniversalPay	R, I
Agnieszka Bakowska	AB	QA Team Leader	UniversalPay	R, I
Jean Carl Grech	JCG	Business Relationship Manager	UniversalPay	R, I
Jurgen Calleja	JC	Business Development Manager	UniversalPay	R, I

Review, Approve, Contribute, Inform

Document Purpose

The purpose of this document is to describe the LOAD ONECLICK BUTTONS API Operation to enable merchant developers to integrate their webpages with the **Error! Unknown document property name..** Refer to the *API Specification – 0 – Overview* document for how this API Operation is used in the merchant processes.

Contents

DOCUMENT CONTROL	3
VERSION CONTROL.....	3
DISTRIBUTION.....	3
DOCUMENT PURPOSE	3
1. SESSION TOKEN REQUEST API OPERATION	5
1.1 SESSION TOKEN REQUEST.....	5
1.2 LOAD ONECLICK BUTTONS SESSION TOKEN RESPONSE – PROCESSED	8
1.3 LOAD ONECLICK BUTTONS SESSION TOKEN RESPONSE – NOT PROCESSED.....	8
2. LOAD ONECLICK BUTTONS API OPERATION	10
2.1 LOAD ONECLICK BUTTONS REQUEST.....	10
2.2 LOAD ONECLICK BUTTONS RESPONSE – PROCESSED	11
2.3 LOAD ONECLICK BUTTONS RESPONSE – NOT PROCESSED	11

1. Session Token Request 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 Error! Unknown document property name. provided at on-boarding
password	String (64)	Y	The merchant's password to the Error! Unknown document property name. provided at on-boarding
action	String (enum)	Y	Must be "LOADONECLICKBUTTONS"
timestamp	Integer (18)	Y	Milliseconds since 1970-01-01 00:00:00
allowOriginUrl	String (253)	Y	The merchant's URL that will make the Load OneClick Buttons 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 is stored in the UniversalPay Gateway. This will be used to search for the OneClick Payment Methods that will be returned to the merchant in the Load OneClick Buttons Response – Processed (section 2.2)
merchantTxId	String (50)	N	The merchant's reference for the transaction If the parameter is empty or omitted, a transaction id will be generated by the Error! Unknown document property name. as a hexadecimal string, and returned in the Load OneClick Buttons Response – Processed (section 2.2)
operatorId	String (20)	N	Identifier of the merchant's operator or agent on behalf of the end customer, if the operation is not performed by the merchant, and the merchant wants to track the operator who performed the transaction

Parameter	Data Type	Mandatory	Description
brandId	Integer (18)	N	The Error! Unknown document property name. Brand Id for the merchant's goods or services supplied at on-boarding If not provided the merchant's default Error! Unknown document property name. Brand Id will be used
channel	String (enum)	Y	The transaction channel must be "ECOM" (for e-commerce type transactions) for OneClick payments
userDevice	String (enum)	N	Type of device used, accepted values: "MOBILE" "DESKTOP" "UNKNOWN" (default value if no value provided)
userAgent	String (1024)	N	The user agent of the browser from which the transaction was performed, for merchant tracking if required
amount	BigDecimal (15.2 or 15.3)	Y	The total transaction amount, including tax, shipping, surcharge and discount amounts, if known If not known "0.00", should be provided. The actual amount can be provided when the transaction is executed
taxAmount	BigDecimal (15.2 or 15.3)	N	Tax amount as a currency value (not percentage)
shippingAmount	BigDecimal (15.2 or 15.3)	N	Shipping amount
chargeAmount	BigDecimal (15.2 or 15.3)	N	Surcharge amount
discountAmount	BigDecimal (15.2 or 15.3)	N	Discount amount
currency	String (enum)	Y	The ISO alpha-3 code for the currency as defined in the ISO 4217 standard
country	String (enum)	Y	The ISO alpha-2 code country in which the transaction takes place, as defined in the ISO 3166 standard If this is not known or unavailable, the Country of the Customer's Address should be used
paymentSolutionId	Integer (18)	Y	The UniversalPay Gateway Payment Solution Identifier Currently, the only supported value is 500 for Payments Cards
merchantNotificationUrl	String (200)	Y	The merchant's server-to-server communications URL, to which the Transaction Result Call will be sent See <i>API Specification – 3 – TRANSACTION RESULT CALL</i> document

Parameter	Data Type	Mandatory	Description
merchantLandingPageUrl	String (200)	N	The URL to which the customer's browser is redirected for success or failure messaging
specinCreditCardToken	String (100)	N	The payment card token received from the Error! Unknown document property name.
specinProcessWithoutCvv2	Boolean	N	<p>A flag that indicates whether the payment card transaction is to be processed with or without the Card Security Code (CSC also called Card Verification Data [CVD], Card Verification Number, Card Verification Value [CVV], Card Verification Value Code, Card Verification Code [CVC], Verification Code [V-code or V code], or Signature Panel Code [SPC])</p> <p>Default false.</p> <p>This requires prior authorization by the Error! Unknown document property name. and acquirer</p>

1.1.3 Example

merchantId=1111111&password=klw74U6yt40mNo&merchantTxId=XYZ123456789ABC&allowOriginUrl=www.merchantsite.com&action=LOADONECLICKBUT-
 TONS×tamp=1249751864238&customerId=ABD123&operatorId=brian01&brandId=987654321&channel=ECOM&userDevice=DESKTOP&amount=120&taxAmount=10&shippingA-
 mount=15&chargeAmount=5&discountAmount=10¤cy=GBP&country=GB&paymentSolutionId=500&merchantNotificationUrl=www.merchantsite.com&merchantLand-
 ingPageUrl=www.mer

1.2 Load OneClick Buttons Session Token Response – Processed

1.2.1 Format

JSON

1.2.2 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 Load OneClick Buttons 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

1.2.3 Example

```
{
  "result": "success",
  "merchantId": "890490",
  "token": "96b7d82e-349f-4880-9b8a-928636437c75"
}
```

1.3 Load OneClick Buttons Session Token Response – Not Processed

1.3.1 Format

JSON

1.3.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "failure"
merchantId	Integer (18)	The <i>merchantId</i> value received in the Session Token Request (section 1.1)
errors	Array	List of issues

1.3.3 Example

```
{  
  "result": "failure",  
  "merchantId": "890490",  
  "errors": [  
    {  
      "messageCode": "This field is required in [REQUEST]",  
      "fieldName": "password"  
    }  
  ]  
}
```

2. LOAD ONECLICK BUTTONS API Operation

2.1 Load OneClick Buttons 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 Error! Unknown document property name. 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 Load OneClick Buttons Session Token Response – Processed (section 1.2)
customerId	String (20)	Y	The customer identifier in merchant system that is stored in the UniversalPay Gateway. This will be used to search for the OneClick Payment Methods that will be returned to the merchant in the Load OneClick Buttons Response – Processed (section 2.2)
containerId	String	C	The ID of the HTML element on the merchant's webpage in which to wrap the Payment Form - required for JavaScript based integration
successCallback	String	C	The JavaScript function name to be called in the event of a successful transaction
failureCallback	String	C	The JavaScript function name to be called in the event of a failed or declined transaction
cancelCallback	String	C	The JavaScript function name to be called in the event of a user cancelled transaction
bannerUrl	String	N	The merchant's URL of a resource (html page, image) to replace the default footer in the Hosted Payment Page with a logo
integrationMode	String (enum)	C	The method that the merchant's webpage will use to load the Hosted Payment Page, accepted values: Inject Iframe Standalone
maximumColumns	Integer	Y	Determines how the buttons are arranged by setting the maximum number of columns in the Button Form. When the maximum is reached a new row is started. A maximum of 1 sets all the buttons vertically A maximum of 100 sets all the buttons horizontally
messageIfEmpty	String	N	A message that is to be displayed in the returned Buttons Form if the customer does not have any OneClick Payment Methods Saved

graphicIfEmpty	Picture	N	A picture that is to be displayed in the returned Buttons Form if the customer does not have any OneClick Payment Methods Saved
----------------	---------	---	---

2.2 Load OneClick Buttons Response – Processed

2.2.1 Format

JSON

2.2.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be “success”
merchantId	Integer (18)	The <i>merchantId</i> received in the Session Token Request (section 1.1)
buttonsReturned	Integer	The number of buttons created in the OneClick Buttons Form, i.e. the number of OneClick Payment Methods the customer has saved in the Error! Unknown document property name.. If no buttons are created, the OneClick Buttons Form will be loaded with the <i>messageIfEmpty</i> or <i>graphicIfEmpty</i> value from the Load OneClick Buttons Request (section 2)

2.2.3 Example

```
{
  "result": "success",
  "merchantId": 111111,
  "buttonsReturned": 3
}
```

2.3 Load OneClick Buttons Response – Not Processed

2.3.1 Format

JSON

2.3.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be “failure”
merchantId	Integer (18)	The <i>merchantId</i> received in the Session Token Request (section 1.1)
errors	String Array	List of errors.

2.3.3 Example

```
{  
  "result": "failure",  
  "merchantId": "1111111",  
  "errors": [  
    {  
      "messageCode": "This field is required in [REQUEST]",  
      "fieldName": "password"  
    }  
  ]  
}
```