



electronic payment exchange

API - PostMaster Response

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REVISION HISTORY

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5/23/16	2.0	C. Meaney	Reformatting
6/13/17	2.1	C. Meaney	Included Server Post.

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EPX PostMaster response overview

The EPX PostMaster is an independent process that POSTs transaction results to listening processes in the merchant domain. This POST is in addition to the transaction response that is received by the vPost receipt page or POSTed to the merchant REDIRECT_URL, after processing by the PayPage or Browser Post system. Some extra setup with an integration specialist is required to take advantage of this feature when using vPost.

The RESPONSE fields are used to configure this POST when using the PayPage or Browser Post systems. Once configured, it is the merchant's responsibility to maintain an active listener within their domain.

The PostMaster attempts to POST transaction results up to seven (7) times, with each attempt separated by a five-minute interval, until a successful HTTP response of 200-OK is received. EPX does not guarantee that a transaction response will be received by the merchant, if a successful HTTP response is not received after the seven attempts. In addition, EPX does not guarantee that one, and only one, successful response will be sent for each transaction. If a 200-OK response is not received for any reason—timeouts, Internet latency, and so on—the response is reattempted up to the maximum number (7) of attempts.

Configuration variables

To enable the PostMaster Response, three items need to be set. Your relationship manager or integration specialist must manually set these fields for use with vPost and Server Post. When using the PayPage or Browser Post API, these fields are set using the RESPONSE fields defined in the *EPX Data Dictionary*.

- URL—URL where the listening service is hosted on the merchant side. The merchant can then parse the response and utilize the variables to populate another system or database.
- Echo—Type of response that is posted. The options are the basic Authorization Response Tags Only, or Posted Tags with Authorization Response. The latter, also known as a Verbose response, provides any request data back in the response in addition to the standard response fields, with the exclusion of the following sensitive EPX API fields:
 - ACCOUNT_NBR
 - ROUTING_NBR
 - CVV2
 - TRACK_DATA
 - PIN_BLK
- Format—Variable that determines the format of the response being posted. The options are Key/Value Pair (KVP) and XML.

NOTE: When using PostMaster response with the Server Post API, the response is available in XML format only.

KVP response POST examples

This section provides examples of Basic and Verbose Key/Value Pair (KVP) responses.

Basic

```
AUTH_RESP=00&AUTH_GUID=0V701Q9PBUT002EN04G&AUTH_CODE=000005&AUTH_AVIS=M&AUTH_CVV2=M
&AUTH_RESP_TEXT=APPROVAL&AUTH_CARD_TYPE=V&TRAN_TYPE=CCE1
```

Verbose

```
FIRST_NAME=EPX&LAST_NAME=TEST TRX&ADDRESS=3300
Tower&CITY=Claymont&STATE=DE&ZIP_CODE=19703&PHONE_HM=3021234567&PHONE_CELL=3021234
589&PHONE_WK=3021234510&USER_DATA_1=User Data Field 1&USER_DATA_2=User Data Field
2&USER_DATA_3=User Data Field 3&USER_DATA_4=User Data Field 4&USER_DATA_5=User
Data Field 5&USER_DATA_6=User Data Field 6&USER_DATA_7=User Data Field
7&USER_DATA_8=User Data Field 8&USER_DATA_9=User Data Field 9&USER_DATA_10=User
Data Field 10&AMOUNT=25.33&INVOICE_NBR=432-0343&CUST_NBR=1234&MERCH_
NBR=123456&DBA_NBR=1&TERMINAL_NBR=1&BATCH_ID=20060801&TRAN_NBR=123&CASH_BK_AMT=20.
00&SERVER_OPR=Bob Jones&ORDER_NBR=12345RENTAL_NBR=5323444&FOLIO_NBR=667855&SOFT_
DESCRIPTOR=Jays
Grill&AUTH_RESP=00&AUTH_GUID=0V701Q9PBUT002EN04G&AUTH_CODE=000005&AUTH_AVIS=M&AUTH_CVV2=M
&AUTH_RESP_TEXT=APPROVAL&AUTH_CARD_TYPE=V&TRAN_TYPE=CCE1&EXP_DATE=1406AUTH_ACOUNT_NBR=1881
```

XML response POST examples

This section provides examples of Basic and Verbose XML responses.

Basic

```
<RESPONSE>
<FIELDS>
<FIELD KEY="AUTH_RESP">00</FIELD>
<FIELD KEY="AUTH_GUID">0V701Q9KFH100K5Q047</FIELD>
<FIELD KEY="AUTH_CODE">000004</FIELD>
<FIELD KEY="AUTH_AVN">M</FIELD>
<FIELD KEY="AUTH_CVV2">M</FIELD>
<FIELD KEY="AUTH_RESP_TEXT">APPROVAL</FIELD>
<FIELD KEY="AUTH_CARD_TYPE">V</FIELD>
<FIELD KEY="TRAN_TYPE">CCE1</FIELD>
</FIELDS>
</RESPONSE>
```

Verbose

```
<RESPONSE>
<FIELDS>
<FIELD KEY="FIRST_NAME">EPX</FIELD>
<FIELD KEY="LAST_NAME">TEST TRX</FIELD>
<FIELD KEY="ADDRESS">650 Naamans</FIELD>
<FIELD KEY="CITY">Claymont</FIELD>
<FIELD KEY="STATE">DE</FIELD>
<FIELD KEY="ZIP_CODE">19703</FIELD>
<FIELD KEY="PHONE_HM">3021234567</FIELD>
<FIELD KEY="PHONE_CELL">3021234589</FIELD>
<FIELD KEY="PHONE_WK">3021234510</FIELD>
<FIELD KEY="USER_DATA_1">User Data Field 1</FIELD>
<FIELD KEY="USER_DATA_2">User Data Field 2</FIELD>
<FIELD KEY="USER_DATA_3">User Data Field 3</FIELD>
<FIELD KEY="USER_DATA_4">User Data Field 4</FIELD>
<FIELD KEY="USER_DATA_5">User Data Field 5</FIELD>
<FIELD KEY="USER_DATA_6">User Data Field 6</FIELD>
<FIELD KEY="USER_DATA_7">User Data Field 7</FIELD>
<FIELD KEY="USER_DATA_8">User Data Field 8</FIELD>
<FIELD KEY="USER_DATA_9">User Data Field 9</FIELD>
<FIELD KEY="USER_DATA_10">User Data Field 10</FIELD>
<FIELD KEY="AMOUNT">22.33</FIELD>
<FIELD KEY="INVOICE_NBR">432-0343</FIELD>
<FIELD KEY="CUST_NBR">1234</FIELD>
<FIELD KEY="MERCH_NBR">123456</FIELD>
<FIELD KEY="DBA_NBR">1</FIELD>
<FIELD KEY="TERMINAL_NBR">1</FIELD>
<FIELD KEY="BATCH_ID">20060801</FIELD>
<FIELD KEY="TRAN_NBR">123</FIELD>
```

```
<FIELD KEY="TIP_AMT"></FIELD>
<FIELD KEY="TAX_AMT"></FIELD>
<FIELD KEY="CASH_BK_AMT">20.00</FIELD>
<FIELD KEY="SERVER_OPR">Bob Jones</FIELD>
<FIELD KEY="ORDER_NBR">12345</FIELD>
<FIELD KEY="RENTAL_NBR">5323444</FIELD>
<FIELD KEY="FOLIO_NBR">667855</FIELD>
<FIELD KEY="SOFT_DESCRIPTOR">Jays Grill</FIELD>
<FIELD KEY="CARD_ENT_METH">X</FIELD>
<FIELD KEY="AUTH_RESP">00</FIELD>
<FIELD KEY="AUTH_GUID">0V701Q9KFH100K5Q047</FIELD>
<FIELD KEY="AUTH_CODE">000004</FIELD>
<FIELD KEY="AUTH_AVIS">M</FIELD>
<FIELD KEY="AUTH_CVV2">M</FIELD>
<FIELD KEY="AUTH_RESP_TEXT">APPROVAL</FIELD>
<FIELD KEY="AUTH_CARD_TYPE">V</FIELD>
<FIELD KEY="TRAN_TYPE">CCE1</FIELD>
<FIELD KEY="EXP_DATE">1406</FIELD>
<FIELD KEY="AUTH_ACCOUNT_NBR">1881</FIELD>
</FIELDS>
</RESPONSE>
```