

Paystation

Remote Refunds Interface API

Refunds can be initiated via an HTTP GET or POST query to the Paystation URL, with the response sent directly back as an XML formatted response (default) or a JSON formatted response containing the transaction response. The refund must be referenced for a previously received Transaction ID (ti).

A Paystation refund indemnity must be signed before refunds are allowed.

The refund system is (by default) IP limited, and access will need to be enabled on your account by Paystation. Alternatively, you can verify your access using HMAC authentication (a shared secret must be set up against your account by Paystation and used during the hashing). Details on our implementation of HMAC authentication are contained in a separate document.

If you are currently running any 2-Party merchant hosted transactions through our system, then the IP numbers or HMAC secret you already have loaded will automatically be included in your allowed list for refunds.

The following is an example URL which will begin a refund and return an XML result.

```
https://www.paystation.co.nz/direct/paystation.dll?paystation=_empty
&pstn_pi=username&am=100&pstn_rc=t&pstn_rt=0000123456-01
&pstn_ms=uniq-reference&pstn_2p=t&pstn_nr=t
```

After a request is sent Paystation will respond with an XML (default) formatted string. An example of the XML returned is given below:

```
<?xml version="1.0" standalone="yes" ?>
<PaystationRefundResponse>
  <ec>0</ec>
  <em>Transaction successful</em>
  <ti>0000912479-01</ti>
  <ct />
  <merchant_ref />
  <tm>T</tm>
  <MerchantSession>uniq_reference3</MerchantSession>
  <UsedAcquirerMerchantID>TEST850047</UsedAcquirerMerchantID>
  <TransactionID>0000123456-01</TransactionID>
  <RefundAmount>100</RefundAmount>
  <Locale>en</Locale>
  <ReturnReceiptNumber>000000001057</ReturnReceiptNumber>
  <ShoppingTransactionNumber>23128</ShoppingTransactionNumber>
  <AcqResponseCode>00</AcqResponseCode>
  <QSIResponseCode>0</QSIResponseCode>
  <CSCResultCode />
  <AVSResultCode />
  <TransactionTime>2007-05-24 12:17:15</TransactionTime>
  <PaystationErrorCode>0</PaystationErrorCode>
  <PaystationErrorMessage>Transaction
successful</PaystationErrorMessage>
  <MerchantReference />
```

```
<TransactionMode>T</TransactionMode>
<BatchNumber>20070524</BatchNumber>
<AuthorizeID />
<Cardtype />
<Username>pstn_testing</Username>
<RequestIP>203.118.134.90</RequestIP>
<RequestUserAgent>Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0;
.NET CLR 1.1.4322; .NET CLR 2.0.50727)</RequestUserAgent>
<RequestHttpReferrer />
<PaymentRequestTime>2007-05-24 12:17:11</PaymentRequestTime>
<DigitalOrderTime />
<DigitalReceiptTime />
<RefundedAmount>100</RefundedAmount>
<CapturedAmount>100</CapturedAmount>
<OutstandingAuthorisedAmount>0</OutstandingAuthorisedAmount>
<OutstandingCapturedAmount>0</OutstandingCapturedAmount>
</PaystationRefundResponse>
```

Input variables

https://www.paystation.co.nz/direct/paystation.dll?paystation=_empty&pstn_pi=username&am=100&pstn_rc=t&pstn_rt=0000123456-01&pstn_ms=unique-reference&pstn_2p=t&pstn_nr=t

| Variable | Value | Description |
|----------|---|--|
| pstn_am | Integer only For example \$1.00 would be 100, and \$12.45 would be 1245. | Refund amount in cents |
| pstn_pi | String value | Merchants Paystation ID |
| pstn_ms | String value (max length 64 char) | Merchant Session – a unique identification code for each transaction request . Used to identify the refund when tracing transactions. |
| pstn_rc | Single character ‘t’ or ‘T’ | Refund Card flag – tells Paystation this transaction should be treated as a refund |
| pstn_rt | String value | Refund Token – the token that the refund is to be preformed upon. Currently the only valid token is a previous Paystation Transaction ID (eg. 0000XXXXXX-01) |
| pstn_2p | Single character ‘t’ or ‘T’ | Two party transaction type. Specifies that you wish to begin a two party transaction |
| pstn_nr | Single character ‘t’ or ‘T’ | Tells the Paystation application that this transaction will not be redirected back to the merchants redirect URL. |
| pstn_tm | Single character ‘t’ or ‘T’ | Test Mode [optional] - sets the Paystation server into Test Mode (for the single transaction only). It uses the merchants TEST account on the VPS server, and marks the transaction as a Test in the Paystation server. This allows the merchant to run test transactions without incurring any costs or running live card transactions. |
| pstn_mr | String value (max length 64 char) | Merchant Reference Code [optional] - a non-unique reference code which is stored against the transaction. This can be used to tie the transaction to a merchants customers account, or to tie groups of transactions to a particular ledger at the merchant. This will be seen from Paystation Admin. Merchant_ref can be empty or omitted. |

XML response variables

After the transaction is processed the POST response will be returned to your Paystation POST response URL.

The response is sent as a browser redirect in the form of a standard POST query in the form of an XML packet. You will be able to extract the response values using the standard tools available within your development environment.

| Variable | Description |
|-----------------------------|--|
| Username | Paystation ID of the account |
| UsedAcquirerMerchantID | The acquirer's merchant ID used for the transaction |
| TransactionID | A string containing the unique transaction ID assigned to the transaction attempt by the Paystation server. |
| RefundAmount | The amount of the transaction, in <i>cents</i> . |
| Locale | The locale of the transaction. The payment server does support different languages, although this is not currently implemented. Would normally be set to "en" |
| ReturnReceiptNumber | The RRN number is a virtual terminal counter for the transaction and <i>is not unique</i> . |
| ShoppingTransactionNumber | Unique bank reference assigned to the transaction |
| AcqResponseCode | Acquirer's response code. The result code's vary from acquirer to acquirer and is included for debugging purposes. Please process transaction result from the PaystationErrorCode. |
| QSIResponseCode | Payment Server Response code – the actual raw result from the payment server. Please process transaction result from the PaystationErrorCode. |
| CSCResultCode | Result of any CSC validation |
| AVSResultCode | Result of any AVS validation. Not supported in New Zealand |
| TransactionTime | The time the transaction was initiated at Paystation |
| PaystationErrorCode | The result of the transaction |
| MerchantSession | The unique reference for the refund as generated by the merchant |
| MerchantReference | The merchant reference as generated by the merchant |
| TransactionMode | Transaction Mode: T = Test. P = Production. |
| RequestHttpReferrer | The HTTP referrer as reported at time of refund initiation |
| DigitalOrderTime | The time Paystation generates the encrypted packet to the payment server |
| DigitalReceiptTime | The time Paystation receives the encrypted packet from the payment server |
| RefundedAmount | The total amount refunded against the original transaction |
| CapturedAmount | The total amount captured from original transaction |
| OutstandingAuthorisedAmount | The total amount available to be captured |
| OutstandingCapturedAmount | The total amount captured minus any refunds |
| BatchNumber | The Batch number on the Payment Server that this transaction will be added to in order to be processed by the acquiring institution. |
| AuthorizeID | A code issued by the acquiring payment processor to approve or deny a transaction. |
| Cardtype | The card type used |
| CustomerIP | The IP number the customer started the payment from. |
| CustomerUserAgent | The reported user agent of the customer |

| | |
|---------------------|---|
| PaymentRequestTime | The time the payment request was made of the payment server |
| PaymentResponseTime | The time a response was received from the payment server |
| UserAdditionalVars | A node containing any user defined variables that are initially passed to Paystation. |

Error Code (EC) and Error Message (EM) values.

| EC | EM |
|-----------|--|
| 0 | No error - transaction successful |
| 1 | Unknown error |
| 2 | Bank declined transaction |
| 3 | No reply from bank |
| 4 | Expired card |
| 5 | Insufficient funds |
| 6 | Error communicating with bank |
| 7 | Payment server system error |
| 8 | Transaction type not supported |
| 9 | Transaction failed |
| 10 | Purchase amount less or greater than merchant values |
| 11 | Paystation couldn't create order based on inputs |
| 12 | Paystation couldn't find merchant based on merchant ID |
| 13 | Transaction already in progress |
| 14 | Transaction could not be found |
| 16 | User not allowed to perform refunds |
| 17 | Merchant is not allowed to perform refunds |
| 18 | Transaction type not specified |
| 33 | Refund Token contains invalid characters |
| 101 | Merchant has been disabled |

Codes 0-9 relate to the response code from the ETSL and bank systems.

Codes 11-18, 33 and 101 would be identified during data validation, and are Paystation generated errors.

Having trouble?

Email us at info@paystation.co.nz or call us on 04 917 8097 or 0800 PAYSTATION (0800 729 782).