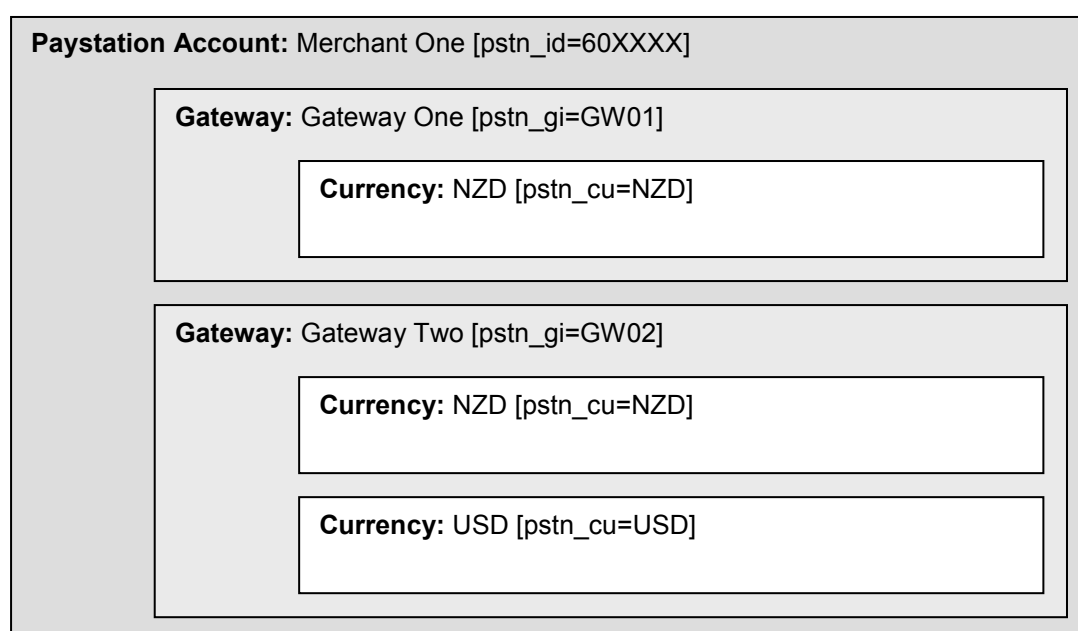


## Direct Payments Interface API

A Paystation account has three transactional components: the account itself and one or more gateways, each with one or more currencies.

When you initiate a transaction you need to specify which gateway and can optionally specify a currency to use. If you leave the gateway out the transaction will fail. If you specify a gateway that isn't loaded against your account or a currency that isn't loaded against the gateway the transaction will fail.

Below is a diagram to help you visualise how the pieces fit together.



It is very important to understand that our gateways are in no way directly related to your Merchant Facilities at the Bank – you might have two gateways set up within Paystation that send transactions to a single Bank Merchant Facility (a good reason to do this would be if you were running two websites over a single Bank Merchant Facility and wanted different return URLs for the different sites) – or you might have one gateway that goes to a Bank Merchant Facility and one that goes to a pago account.

Please note that your gateway probably won't be called GW01 or GW02 – your gateways will have more meaningful names, like CARDPAY and PAGO. We will confirm the name of your gateway(s) when your account is established. You can ask for specific gateway names if that is useful for you, like SHOP01 and SHOP02 or SHOP and DONATIONS.

Two party direct payments are initiated in the same way as standard two party or three party transactions (with one extra field), however, rather than redirect the clients browser back to the merchants website Paystation will send payment results directly back as an XML formatted response which includes the error code (ec) and error message (em)

The following is an example of the parameters you will need to send to begin a two party transaction and return an XML result.

paystation=\_empty&pstn\_am=100&pstn\_pi=paystationID&pstn\_gi=gatewayID&pstn\_ct=mastercard&pstn\_cn=5123456789012346&pstn\_ex=1305&pstn\_ms=merc  
hantsession0002331&pstn\_2p=t&pstn\_nr=t

You should do a POST to <https://www.paystation.co.nz/direct/paystation.dll> with the relevant variables.

After a request is sent Paystation will respond with an XML formatted string. The XML response will be in the same format regardless of the transaction result.

```
<?xml version="1.0" standalone="yes"?>

<response>

<ec>0</ec>

<em>Transaction successful</em>

<ti>0023269532-01</ti>

<ct>mastercard</ct>

<merchant_ref/>

<tm>T</tm>

<MerchantSession>RisumksC-2p01</MerchantSession>

<UsedAcquirerMerchantID>850033</UsedAcquirerMerchantID>

<TransactionID>0023269532-01</TransactionID>

<PurchaseAmount>100</PurchaseAmount>

<Locale/>

<ReturnReceiptNumber>23269532</ReturnReceiptNumber>

<ShoppingTransactionNumber/>

<AcqResponseCode>00</AcqResponseCode>

<QSIResponseCode>0</QSIResponseCode>

<CSCResultCode/>

<AVSResultCode/>

<TransactionTime>2013-08-06 13:21:52</TransactionTime>

<PaystationErrorCode>0</PaystationErrorCode>

<PaystationErrorMessage>Transaction
successful</PaystationErrorMessage>

<MerchantReference/>

<TransactionMode>T</TransactionMode>
```

```
<BatchNumber>0806</BatchNumber>

<AuthorizeID/>

<Cardtype>MC</Cardtype>

<Username>606741</Username>

<RequestIP>210.4.215.14</RequestIP>

<RequestUserAgent/>

<RequestHttpReferrer/>

<PaymentRequestTime>2013-08-06 13:21:52</PaymentRequestTime>

<DigitalOrderTime/>

<DigitalReceiptTime>2013-08-06 13:21:52</DigitalReceiptTime>

<PaystationTransactionID>0023269532-01</PaystationTransactionID>

<IssuerName>unknown</IssuerName>

<IssuerCountry>unknown</IssuerCountry>

</response>
```

## Transaction POST variables

Variable	Value	Description
paystation <b>REQUIRED</b>	String value	This is an initiator flag for the payment engine and can be nothing, or if your environment requires to assign a value please send ' empty'
pstn_pi <b>REQUIRED</b>	String value	The Paystation ID for the account that the payments will be made against
pstn_gi <b>REQUIRED</b>	String value	The Gateway ID that the payments will be made against
pstn_ms <b>REQUIRED</b>	String value (64 chars, 50 chars for PAGO)	Merchant Session – a unique identification code <b>for each financial transaction request</b> . Used to identify the transaction when tracing transactions. Must be unique for each attempt at every transaction.
pstn_am <b>REQUIRED</b>	Integer <i>or</i> decimal	Transaction amount. If no Amount Format is specified the amount must be cents (eg. \$12.35 will be passed as 1235)
pstn_cn <b>REQUIRED</b>	Integer only (no spaces) All 16 (for visa/mastercard) digits of the card number. For example 5123456789012346	Credit card number
pstn_ex <b>REQUIRED</b>	Integer	Card Expiry The format of which is determined by Date Format, but defaults to YYMM
pstn_2p <b>REQUIRED</b>	Single character 't' or 'T'	Two party transaction type. Specifies that you wish to begin a two party transaction
pstn_nr <b>REQUIRED</b>	Single character 't' or 'T'	Tells the Paystation application that this transaction will not be redirected back to the merchants redirect URL.
pstn_df <i>optional</i>	"mmyy" <i>or</i> "yymm"	Date Format [ <b>optional</b> ]– tells Paystation what format the Card Expiry is in. If omitted, it will be set to YYMM format
pstn_af <i>optional</i>	"dollars.cents" <i>or</i> "cents"	Amount Format [ <b>optional</b> ] - Tells Paystation what format the Amount is in. If omitted, it will be assumed the amount is in cents
pstn_cu <i>optional</i>	String value For example New Zealand dollars would be NZD.	Currency [ <b>optional</b> ] – the three letter currency identifier. If not sent the default currency for the gateway is used.

pstn_tm <i>optional</i>	Single character 't' or 'T'	Test Mode <b>[optional]</b> - 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 <i>optional</i>	String value	Merchant Reference Code <b>[optional]</b> - a non-unique reference code which is stored against the transaction. This is recommended because it 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. pstn_mr can be empty or omitted.
pstn_ct <i>optional</i>	String Can contain ONE of the following. mastercard visa amex (if enabled) dinersclub (if enabled) bankcard (if enabled) Please note that pago is not a card type, but a gateway.	Card Type <b>[optional]</b> - the type of card used. CT <b>cannot</b> be empty, but may be omitted.
pstn_mc <i>optional</i>	String Value (255 Chars)	Customer Details <b>[optional]</b> – Stores information for a transaction to be displayed in Paystation Admin
pstn_mo <i>optional</i>	String Value (255 Chars)	Order Details <b>[optional]</b> - Stores information for a transaction to be displayed in Paystation Admin

pstn_cc <i>optional</i>	String Value	Card Security Code (CVV/CSC) <b>[optional]</b> – Security code found on the back of cards. Must be passed through when CVV is ‘Enforced’ on your merchant facility, is optional when CVV is ‘Enabled’
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## ***XML response variables***

The XML response for a successful transaction would be as follows.

```
<?xml version="1.0" standalone="yes"?>
<response>
<ec>0</ec>
<em>Transaction approved</em>
</response>
```

The XML response for a failed transaction could be as follows.

```
<?xml version="1.0" standalone="yes"?>
<response>
<ec>8</ec>
<em>Transaction type not supported</em>
</response>
```

## ***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
101	Merchant has been disabled

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

Codes 11-13 and 101 would be identified during data validation, and are Paystation generated errors.