



Payment Integration Document

Merchant | Version 1.0.1

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1. Introduction

1Pay payment API is a software-to-software interface, not a user interface. With APIs, applications talk to each other without any user knowledge or intervention.

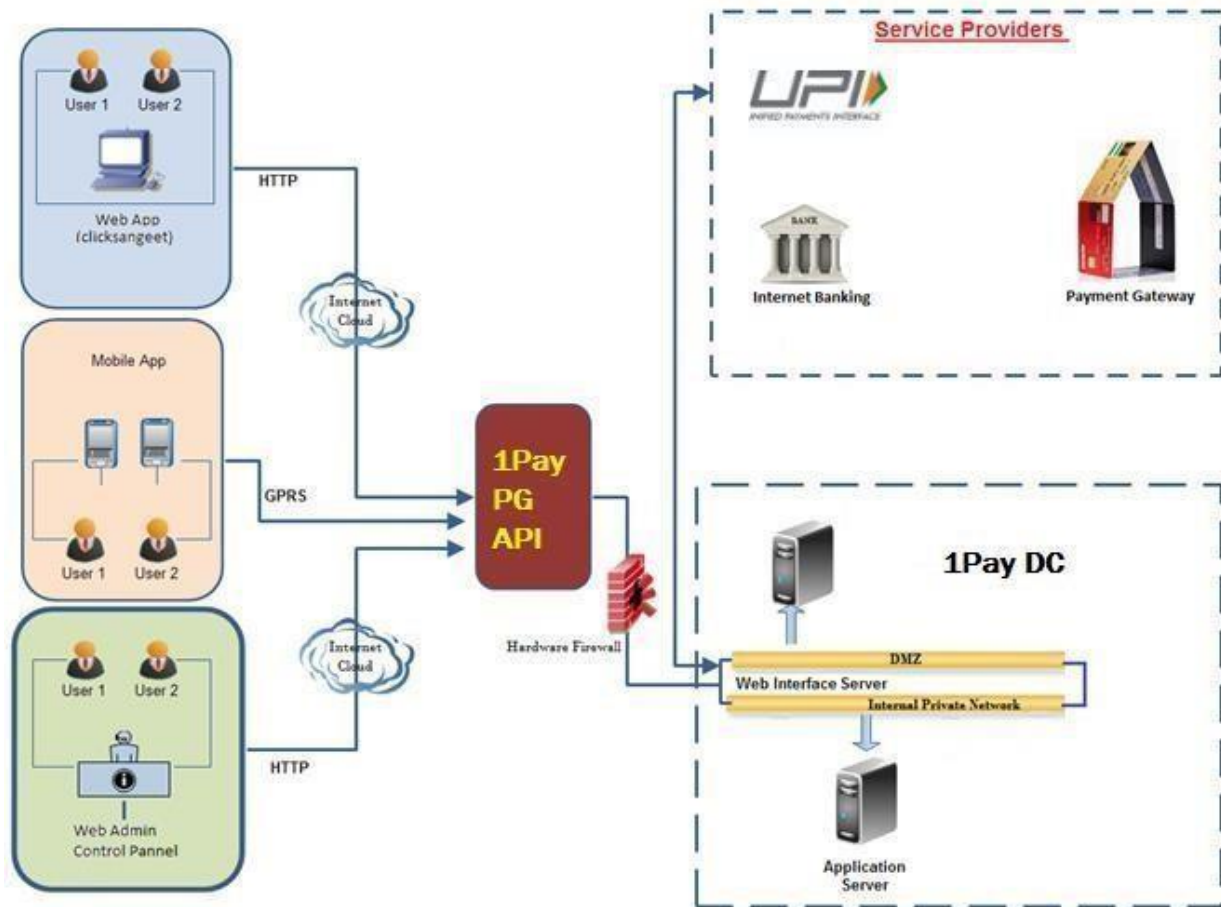
1Pay provides a simple http interface listing information of interest to perform transaction. This interface can be accessed on port 80/443. 1Pay payment gateway links merchants/sellers website to process online payments. Like most gateways, 1Pay Payment Gateway handles all major net banking, credit, debit and cash cards.

To initiate a transaction, the merchant generates a **POST REQUEST** (which is a particular mode of interaction on internet). The request must include mandatory and optional parameters. The mandatory fields include hash (checksum), transaction id (order reference number generated at merchant's end), amount, email, phone number and other merchant specific data.

When the POST request reaches 1Pay PG, the customer would be re-directed to payment gateway's payment page. Customer now selects the particular payment option on payment gateway's page (Credit Card/Debit Card/Net Banking etc) and clicks on 'Pay Now'. Now, payment gateway re-directs the customer to the chosen bank. The customer goes through the necessary authorization/authentication process at bank's login page, and the bank gives the success/failure response back to payment gateway.

When the transaction POST request hits the payment gateway server, Payment gateway marks the transaction status on the basis of response received from Bank. Payment gateway provides the final transaction response to the merchant through a POST RESPONSE. In the POST RESPONSE sent by gateway, merchant would receive the status of the transaction. Merchant needs to call the verify transaction API after receiving the response from payment. This is done to strictly avoid any tampering attempt by the user.

2. Abstract Architecture



3. URL

For 32bit API key use below posting [URL:-](#)

1. UAT/Test

base_url: <https://pa-preprod.1pay.in>

2. Production/Live

base_url: <https://pay.1pay.in>

4. Process Flow

This section briefly details the overall transaction flow -

- User logs-in at the Merchant website for Online payment
- User then decides to pay; clicks on 'Checkout' option provided at the merchant page
- Merchant website generates a unique reference number; along with other mandatory parameters and then converts it in to json string.
- After generating the json object merchant encrypts the data using AES-256 algorithm. 1 Pays provides a unique key for the data encryption. After encrypting the data merchant establish a connection with the 1Pay's Payment Gateway Interface over a secured https channel.
- At the 1Pay Payment Gateway; User is displayed various 'payment options' that he can use, for e.g. Net Banking.
- User chooses the payment option at 1Pay's Payment Gateway and is taken to the page of that specific bank. User then enters the relevant authentication details [i.e. User ID/ Card Number/ Password etc.] at the bank's authentication page.
- User's account is debited, and the User is then directed back to the designated Return URL [RU] at Merchant website. 1Pay encrypts the data (using the same key) before sending it to the merchant's page.
- After getting the response from 1Pay, merchant needs to decrypt the data. Merchant can use this response to update its system and display to the User that the payment process was successful
- 1Pay's also generates a unique Transaction ID against each transaction that is received – this could be displayed to the User; and used for any queries relating to the transaction
- 1Pay sends 4 kinds of status in Payment and Transaction Status Query APIs:
 1. Ok – This stand for success. The transaction was successful.
 2. F – This stand for Failed. The transaction was failed.
 3. To – This stand for Time out. This status is received when we are unable to get transaction status in real-time. Merchant check updated status through transaction query API or through reports from merchant 1Pay dashboard.
 4. Pending – Pending status can be received in case of
 - a. Corporate Net Banking, where we are waiting for checker to approve the transaction.
 - b. All seamless transactions (transaction type = REDIRECT)

5. Payment/Authorization

URL: [{base_url}/payment/payprocessorV2](#)

Method: Post

Payment /AuthRequest:

Sr. No.	Parameter Name		Detailed Description	
01	merchantId	Description	Unique merchant id provided by 1Pay	
		Mandatory	Y	
		Type	AN	
		Min Length	5	
		Max Length	16	
		Sample value	M00012	
02	apiKey	Description	A unique key provided by 1Pay	
		Mandatory	Y	
		Type	AN	
		Min Length	8	
		Max Length	32	
		Sample value	jpuT0821	
03	txnId	Description	A unique tracking id created by the merchant for each transaction	
		Mandatory	Y	
		Type	AN	
		Min Length	1	
		Max Length	32	
		Sample value	77983779999	
04	Amount	Description	Amount of the transaction	

		Mandatory	Y	
		Type	Decimal (fixed 2 decimal points)	
		Min Length	1 (excluding decimal)	
		Max Length	8 (excluding decimal)	
		Sample value	100.00	
05	dateTime	Description	Date time of the originator	
		Mandatory	Y	
		Type	Date Time (yyyy-MM-ddHH:mm:ss)	
		Min Length	19	
		Max Length	19	
		Sample value	2018-08-01 13:20:33	
06	custMobile	Description	Mobile number of the customer	
		Mandatory	Y	
		Type	N	
		Min Length	10	
		Max Length	10	
		Sample value	9876588877	
07	custMail	Description	Email id of the customer	
		Mandatory	Y	
		Type	AN	
		Min Length	8	
		Max Length	50	
		Sample value	abc@abc.com	
08	channelId	Description	Channels like Internet,IVR,etc	
		Mandatory	Y	
		Type	N	
		Min Length	1	

		Max Length	1	
		Sample value	0 (For Internet)	
09	txnType	Description	DIRECT: Capture Payment details on Aggregator's page REDIRECT: Get Payment Details in Request from Merchant and redirect to Bank Page directly	
		Mandatory	Y	
		Type	A	
		Min Length	6	
		Max Length	8	
		Sample value	DIRECT/REDIRECT	
10	returnURL	Description	A Unique URL provided by merchant to post the response	
		Mandatory	Y	
		Type	AN(Special Characters Allowed are /?&=_:.)	
		Min Length	10	
		Max Length	200	
		Sample value	http://payone.tech/abc/	
11	productId	Description	IF Merchant wants Multipart Settlement for single Txn then he needs to pass different Product Ids along with the Amount ELSE value is ' DEFAULT '.	
		Mandatory	Y	
		Type	AN (Special Characters allowed are Tilde(~) and Pipe())	
		Min Length	-	

		Max Length	Undefined	
		Sample value	IF isMultiSettlement= 0 :- <i>DEFAULT</i> (Case-Sensitive) IF isMultiSettlement= 1 :- <i>Product1~100/Product2~200/../ProductN~AmountN</i> Note :Sum of Amounts in Product Id field must be equal to Transaction Amount.	
12	isMultiSettlement	Description	IF Merchant wants Settlement of single Txn in Multiple Accounts(Registered with 1pay) then he needs to pass value of this field as ' 1 '(True) ELSE ' 0 '(False).	

		Mandatory	Y	
		Type	N	
		Min Length	1	
		Max Length	1	
		Sample value	0(False)/1(True)	
13	udf1	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant to pass additional transaction related information like customer email id, contact number, Address etc..	
		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	200	
		Sample value	NA	

14	udf2	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant to
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			pass additional transaction related information like customer email id, contact number.
		Mandatory	Y
		Type	AN
		Min Length	2
		Max Length	200
		Sample value	NA
15	udf3	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant to pass additional transaction related information like customer email id, contact number.
		Mandatory	Y
		Type	AN(Space allowed in Card Name Field)
		Min Length	2
		Max Length	200
		Sample value	NA
16	udf4	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant to pass additional transaction related information like customer email id, contact number.
		Mandatory	Y
		Type	AN
		Min Length	2
		Max Length	250
		Sample value	NA
17	udf5	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant
			to pass additional transaction related information like customer email id, contact number.

		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	200	
		Sample value	NA	
18	udf6	Description	Default value is "NA". The user (merchant) defines these fields. The field data is passed along with a transaction request. These fields are for merchant to pass additional transaction related information like customer email id, contact number.	
		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	NA	
		Sample value	NA	
19	instrumentId	Description	Payment Mode of the Transaction	
		Mandatory	Y	
		Type	A	
		Min Length	2	
		Max Length	12	
		Sample value	For txnType DIRECT :- NA For txnType REDIRECT :- NB/CC/DC/UPI	
20	cardDetails	Description	Default 'NA'	
		Mandatory	Y	
		Type	AN(Space allowed in Card Name Field)	
		Min Length	2	
		Max Length	65	
		Sample value	For txnType 'DIRECT' the default value - NA For txnType 'REDIRECT' – For CC/DC: "CARDNAME CARDNO CVV EXPIRY SAVECARDFLAG" For NB: Bank specific code provided by 1Pay For UPI: NA	
21	cardType	Description	Type of Card used for Transaction	
		Mandatory	Y	
		Type	A	

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		Min Length	2	
		Max Length	20	
		Sample value	For txnType DIRECT :- NA For txnType REDIRECT &instrumentId CC/DC :- Visa/Mastercard/Rupayetc For txnType REDIRECT &instrumentId NB :- NA For txnType REDIRECT &instrumentId UPI :- NA	

Request parameters need to be converted into json format as sample given below –

```
{ "dateTime": "2018-08-23
19:07:02", "amount": "1.00", "isMultiSettlement": "0", "custMobile": "9876543210", "apiKey": "jpuT6032", "p
roductId": "DEFAULT", "instrumentId": "NA", "cardType": "NA", "txnType": "DIRECT", "udf3": "NA", "udf1": "N
A", "udf2": "NA", "merchantId": "M0002", "custMail": "test@test.com", "returnURL": "http://\https://hdfcpr
odsigning.in\onepayVAS\merchantResponse.jsp", "channelId": "0", "txnId": "230820181535031422094", "
udf4": "NA", "udf5": "NA", "udf6": "NA", "cardDetails": "NA" }
```

The generated JSON data needs to be encrypted in AES-256 using a secret key provided by 1pay. After encryption the data will be posted on 1pay's server over web browser.

1	merchantId	Description	A Unique merchant Id provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	
2	reqData	Description	Encrypted request parameters
		Mandatory	Y
		Type	AN
		Min Length	-
		Max Length	-
		Sample value	KfpBKDDON6YiH4d5pfXZq6NVVvurTmil/+jXy3Z s3atWH7XwXQGtBodk09+WWsjlLjvWWRqA/SFj32 coE6e+6WzIXmrD7eBrRKxVGNI4Ye1AgsXrRruA3 uQEX/tWMNdFmliNMCskyCP6KF/F4sUG3frbjhld VJmsj8E/1A1X60/F91L6khBOCdN4fzAJP6zYxws 2Zg5qXJATGI51LualGJBp4HLEj5G0oXq/JUvHmB 3Y1MACTIibVn46RmiW8wHbkHeopIOVGZpJSkwBo tE1d0FxFYyxsGXEP4TAAKnJ/+ykg4dbngoy9LV/ QeBU9SPJSluFwg1F2X+5JNKkUwnE1YAvx5Fi+HgQ=

Payment /AuthResponse :-

Sr. No.	Parameter Name	Detailed Description
1	respData	AES-256 bit Encrypted Response

Sample Value of respData :-

7BTY6h+xdqHM4dxiV6kDpjGVGHQynhQetNQ/oH0XVnnu5Ln5Tj80z+37YMgVuefMom4PCn5yfp+pffgoB6
uIlrqwcYa8OPp4fntT3y18uDpyjYCRSBQRQhUhbUj+jETewhcH33ZB4cKRcfFlv2yMnuCD+ZX1NICKq+ia0s9T
au0PvM9Eh6Vdie4Le2qE+yeygw9tbbP48GcQL78pE8FM3z3JLAX3uWJBnthpkv2P/AUr4qWOHzmouSnVPE
XRFZd5VZho91SUUzUrai0czkuytHFadZgrmqEXKSdtSyOLGLq8uyzZloeGezQK1Vqu5YLz7yvoJ2ZMfKnLWQP
OJatAUCnN5g/BRyWrGpQ9fMCJKR2bpFXH9myMLZql/G2v42NXs3it0hXRF+uTat2Ai2edGD+O9VJgLm2I5Q
SQyNCaoN8L4jM1Rh+OfLU35NT8hvf3Up9zqX3IXhjU2XUFfp6+NHZ08/224Ka9EXXfKOFNvqyKHGvLmPokd
6wSfhdpPyutD7TckIDUdXKG84CiPeidiAF4QRFEuDahYAUk2xV1D2f7Bo4NRztBQymqNzCmBQTDMrHnpg
haJc6SA6PVoAenns9oiDpb5o3EINSfCwNLRCn0vzQsv4odeWyS0XwirM0

After receiving the encrypted response user needs to decrypt the data using the key shared by 1pay.

Json Data after decryption of the encrypted response -

```
{
  "txn_id": "230820181535031422094", "payment_mode": "CC", "resp_date_time": "2018-08-19:07:24", "resp_message": "SUCCESS", "bank_ref_id": "823510001250",
  "cust_email_id": "test@test.com", "merchant_id": "M0002", "txn_amount": "1.00",
  "txn_date_time": "2018-08-23 19:07:02.0", "pg_ref_id": "100182351907085854",
  "trans_status": "Ok", "cust_mobile_no": "9876543210", "resp_code": "00000"
}
```

Parameter details -

01	merchant_id	Description	Merchant Id Provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	M00012
02	txn_id	Description	Merchant's unique Txn Reference Number received in Request
		Mandatory	Y
		Type	AN
		Min Length	1
		Max Length	32
		Sample value	2018080112045
03	pg_ref_id	Description	1Pay's Unique Transaction Reference Number generated against Merchant's Txn Id
		Mandatory	Y
		Type	AN
		Min Length	19
		Max Length	19
		Sample value	100182141927437447
04	txn_date_time	Description	Txn Date and Time received in Request
		Mandatory	Y

		Type	Date Time
		Min Length	19
		Max Length	19
		Sample value	yyyy-MM-ddHH:mm:ss (2018-08-01 12:10:35)

05	trans_status	Description	Transaction Status
		Mandatory	Y
		Type	A
		Min Length	1
		Max Length	2
		Sample value	F(Fail)/To(Time Out)/Ok(Success)/Pending
06	txn_amount	Description	Transaction Amount received in Request
		Mandatory	Y
		Type	N
		Min Length	2
		Max Length	6
		Sample value	100.00
07	resp_code	Description	1pay Response Code
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	5
		Sample value	00000
09	resp_message	Description	1pay Response Message based on the Response received from Service Provider/Bank
		Mandatory	Y
		Type	AN
		Min Length	10
		Max Length	200
		Sample value	Transaction Successful/No Error etc.
09	bank_ref_id	Description	Transaction Reference Number received from Service Provider/Bank
		Mandatory	Y

		Type	AN
		Min Length	Undefined
		Max Length	Undefined
		Sample value	BNK2018121
10	resp_date_time	Description	Date and Time when 1Pay sent the Response to Merchant
		Mandatory	Y
		Type	Date Time
		Min Length	19
		Max Length	19
		Sample value	yyyy-MM-ddHH:mm:ss (2018-08-01 12:10:35)
11	cust_email_id	Description	Email id of the customer received in Request
		Mandatory	Y
		Type	AN
		Min Length	8
		Max Length	50
		Sample value	abc@abc.com
12	cust_mobile_no	Description	Mobile Number of the customer received in Request
		Mandatory	Y
		Type	N
		Min Length	10
		Max Length	10
		Sample value	9876588877
13	payment_mode	Description	Payment Mode of the Transaction
		Mandatory	Y
		Type	A

		Min Length	2
		Max Length	2
		Sample value	NB/CC/DC/UPI

6. Transaction Status Query

URL : [{base_url}/payment/getTxnDetails](#)

Method : Post(Server to Server Call)

Request Parameters :-

01	merchantId	Description	Unique merchant id provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	M00012
02	txnId	Description	Merchant's Unique Transaction Reference Number
		Mandatory	Y
		Type	AN
		Min Length	1
		Max Length	32
		Sample value	77983779999

Plain Request: {base_url}/payment/getTxnDetails?merchantId=M00012&txnId=77983779999

Response Parameters :-

01	merchant_id	Description	Merchant Id Provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	M00012
02	txn_id	Description	Merchant's unique Txn Reference Number received in Request
		Mandatory	Y
		Type	AN
		Min Length	1
		Max Length	32
		Sample value	2018080112045
03	pg_ref_id	Description	1Pay's Unique Transaction Reference Number generated against Merchant's Txn Id
		Mandatory	Y
		Type	AN
		Min Length	19
		Max Length	19
		Sample value	2018111102102222
04	txn_date_time	Description	Transaction Date Time
		Mandatory	Y
		Type	Date Time
		Min Length	19
		Max Length	19

		Sample value	YYYY-MM-ddHH:mm:ss(2018-08-01 12:10:35)
05	trans_status	Description	Transaction Status
		Mandatory	Y
		Type	A
		Min Length	1
		Max Length	2
		Sample value	F(Fail)/To(Time Out)/Ok(Success)/Pending
06	txn_amount	Description	Transaction amount
		Mandatory	Y
		Type	N
		Min Length	2
		Max Length	6
		Sample value	100.00
07	resp_code	Description	1pay Response Code
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	5
		Sample value	00000
08	resp_message	Description	1pay Response Message based on the Response received from Service Provider/Bank
		Mandatory	Y
		Type	AN
		Min Length	10
		Max Length	200
		Sample value	Transaction Successful/No Error etc.

09	bank_ref_id	Description	Transaction Reference Number received from Service Provider/Bank
		Mandatory	Y
		Type	AN
		Min Length	Undefined
		Max Length	Undefined
		Sample value	BNK2018121

Sample Response :-

```
{
  "txn_id":"030820181533284534340",
  "payment_mode":"CC",
  "resp_date_time":"2018-08-03 13:58:41",
  "resp_code":"E0013",
  "resp_message":"This transaction has been declined. Kindly contact credit card issuer bank.",
  "bank_ref_id":"NA",
  "cust_email_id":"test@test.com",
  "merchant_id":"M0002",
  "txn_amount":"1.00",
  "txn_date_time":"2018-08-03 13:52:14",
  "pg_ref_id":"100182141927437447",
  "trans_status":"F",
  "cust_mobile_no":"9876543210"
}
```

Note: For timeout transactions, if transaction status query is done after 1Hours 30 minutes, transaction status response will not be fetched. In this case, you have to consider this transaction as Failed. This is to say that when you get "trans_status":"NA" & "resp_code":"NA" in transaction status query API response please consider these transactions as failed transactions.

7. Refund API

RefundRequestAPI :-

URL : [{base_url}/payment/refundRequest](#)

Method : Post(Server to Server Call)

Request Parameters :-

01	merchantId	Description	Unique merchant id provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	M00012
02	txnId	Description	Merchant's Unique Transaction Reference Number
		Mandatory	Y
		Type	AN
		Min Length	1
		Max Length	32
		Sample value	77983779999
03	refundRequestId	Description	Unique number generated by merchant.
		Mandatory	Y
		Type	AN
		Min Length	18
		Max Length	18
		Sample value	2018111102102222
04	refundAmount	Description	Amount to be refunded
		Mandatory	Y

		Type	N
		Min Length	2
		Max Length	6
		Sample value	100.00
05	addedBy	Mandatory	Y
		Sample value	Merchant

Request parameters need to be converted into json format as sample given below –

Refund request:-

```
{"merchantId":"M0000379","encData":"sYIncQEgK8fdc413X1jnYeENeq78WVbzHRH5Cca2EAK5I2Pul/+TcNz2OsvyHSqqJCE6CZjRbJlI3FcQnupiIOQ+k9NwOnmzxK32kYUcYbHB43uPF0rmwyeoM738g9h5QYtZf7f6BGQexVMLsxNtQ=="}
```

```
encData={"txnId":"09139236000000200021616","refundAmount":"1.00","refundRequestId":"test_010101","addedBy":"merchant"}
```

Response Parameters :-

01	merchant_id	Description	Merchant Id Provided by 1Pay
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	16
		Sample value	M00012

02	txn_id	Description	Merchant's unique Txn Reference Number received in Request
		Mandatory	Y
		Type	AN
		Min Length	1
		Max Length	32
		Sample value	2018080112045
03	refundRequestId	Description	Unique number generated by merchant.
		Mandatory	Y
		Type	AN
		Min Length	18
		Max Length	18
		Sample value	2018111102102222
04	refund_amount	Description	Refund Amount received in Request
		Mandatory	Y
		Type	N
		Min Length	2
		Max Length	6
		Sample value	100.00
05	txn_amount	Description	Transaction amount
		Mandatory	Y
		Type	N
		Min Length	2
		Max Length	6
		Sample value	100.00
06	refund_type_status	Description	Partial Refund or Full Refund
		Mandatory	Y

		Type	A
		Min Length	2
		Max Length	3
		Sample value	PR/FR
07	resp_code	Description	1pay Response Code
		Mandatory	Y
		Type	AN
		Min Length	5
		Max Length	5
		Sample value	RF000
08	resp_message	Description	Refund Response Message
		Mandatory	Y
		Type	AN
		Min Length	10
		Max Length	200
		Sample value	Refund Request Raised Successfully.
09	rrn	Description	Refund Reference Number
		Mandatory	Y
		Type	AN
		Min Length	Undefined
		Max Length	Undefined
		Sample value	BNK2018121
10	pg_ref_id	Description	1Pay's Unique Transaction Reference Number generated against Merchant's Txn Id
		Mandatory	Y
		Type	AN
		Min-Length	19

11	addedBy	Max-Length	19
		Sample value	100182141927437447
11	addedBy	Mandatory	Y
		Sample value	Merchant

Sample Response :-

```
{
  "txn_id": "09139236000000200021616",
  "refund_type_status": "FR",
  "addedBy": "merchant",
  "resp_message": "Refund Request Raised Successfully.",
  "resp_code": "RF000",
  "refund_amount": "1.00",
  "merchant_id": "M0000379",
  "txn_amount": "1.00",
  "refundRequestId": "test_010101",
  "pg_ref_id": "1002019814160372278",
  "rrn": "160720201594889257768"
}
```

Below is the response code and response message for the same.

RF000Refund Request Raised Successfully

- RF001 Transaction Id not found
- RF002 Transaction is not in Success Status.
- RF003 This Transaction is already full refunded.
- RF004 Transaction is Pending for Settlement.
- RF005 Refund amount is greater than transaction amount.
- RF006 Required parameter is missing or blank.
- RF007 Refund RequestId is Already Exist it should be unique for every Refund Request
- RF008 No Default value for RequestRefundId.
- RF009 Error Occurred while fetching Data.

8. RefundStatus API

URL: [{base_url}/payment/refundStatus](#)

Method : Post(Server to Server Call)

Request parameters need to be converted into json format as sample given below

RefundStatus request:-

```
{"merchantId":"M0002","encData":"zOIIEom3AloKFZffMM8TI4/+ArMozZTe+96BmL5oVQBaRpt3ieXef8FGWQFk7m9LNzPCwk4NUdqtsniC3s1A2eowXkcEdJvSmhLowgPxU6F/BYvcH6Ls5peE/sZFja6"}
```

encData:

```
{"txnId":"011020191569908197318","merchantId":"M0002","refundRequestId":"511510555155"}
```

Refund Status API response:-

```
{"txn_id":"011020191569908197318","refund_type_status":"PR","addedBy":"M0002","resp_message":"Refund Processed successfully","ArnNo":"111111111111","resp_code":"RS000","refund_amount":"4.00","merchant_id":"M0002","txn_amount":"10.00","refundRequestId":"511510555155","pg_ref_id":"1001927405360476127","rrn":"018346000002"}
```

Below is the response code and response message for Refund Status API :

RS000	Refund Received successfully.
RS000	Refund Under Processed.
RS000	Refund Processed successfully.
RS001	Transaction Id does not exist
RS002	RefundRequestId does not exist.
RS003	Required Parameters are Missing.
RS004	Error While Fetching Records.

9. Settlement Report API

URL : [{base_url}/payment/merchant/settlement/report](#)

Method : GET

Header Parameters :-

01	merc hant Id	Descr iption	Unique merchant id provided by 1Pay
		Mand atory	Y
		Type	AN
		Min Lengt h	5
		Max Lengt h	16
		Sampl e value	M0002
02	Auth oriza tion	Descr iption	<p>A unique authorization key generated by using merchant apikey.</p> <pre>import javax.crypto library String merchantApiKey = "XXXXXXXXXXXX"; JSONObject authObj = new JSONObject(); json.put("merchantId","XXXXX"); json.put("apiKey","XXXXXXXXXX"); json.put("ip","XXX.XXX.XX.XXX"); Cipher cipher = Cipher.getInstance("AES/CBC/PKCS5PADDING"); cipher.init(1, new SecretKeySpec(merchantApiKey.getBytes("UTF-8"), "AES"), new IvParameterSpec(merchantApiKey.getBytes("UTF-8"))); byte[] encrypted = cipher.doFinal(authObj.toString().getBytes()); String authorizationToken = java.util.Base64.getEncoder().encodeToString(encrypted)</pre>
		Mand atory	Y

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		Type	AN
		Sample value	Bq8T/VGfhKWmt3VufbKqbnCllwkLzOD3TlsbLmKO1If19otsfqppqREwtPI7VBPb7umRRUdgnGptF2+kt6SMkUSIN6m+/bY69n3FBMV9u4j0=

Request Parameters :-

01	Skip	Description	Report's Page Number as a page up and page down
		Mandatory	Y
		Type	N
		Min Length	1
		Sample value	1
02	Limit	Description	Number of Transactions on per Page
		Mandatory	Y
		Type	N
		Min Length	20
		Max Length	100
		Sample value	20
03	settlementDate	Description	Settlement Date of the Transactions
		Mandatory	Y
		Type	AN
		Min Length	10
		Max Length	10
		Sample value	2021-01-19

Response Parameters :-

01	transactionId	Description	Merchant's unique Txn Reference Number
----	---------------	-------------	--

		Mandatory	Y	
		Type	AN	
		Min Length	1	
		Max Length	32	
		Sample value	1002021915220442172	
02	merchantTxnId	Description	A unique tracking id created by the merchant for each transaction	
		Mandatory	Y	
		Type	AN	
		Min Length	1	
		Max Length	32	
		Sample value	060820201596707552691	
03	transactionDate	Description	Date time of the transaction	
		Mandatory	Y	
		Type	Date Time (yyyy-MM-dd HH:mm:ss)	
		Min Length	19	
		Max Length	19	
		Sample value	2020-08-06 15:08:55	
04	merchantId	Description	Unique merchant id provided by 1Pay	
		Mandatory	Y	
		Type	AN	
		Min Length	5	
		Max Length	16	
		Sample value	M0002	
05	merchantName	Description	Name of the Merchant	
		Mandatory	Y	
		Type	AN	
		Min Length	1	

		Max Length	100	
		Sample value	DEMO MERCHANT	
06	commissionPercentage	Description	Amount of Commission Percentage	
		Mandatory	Y	
		Type	N	
		Min Length	2	
		Max Length	6	
		Sample value	0.1	
07	commissionFlat	Description	Flat Amount of Commission Charges	
		Mandatory	Y	
		Type	N	
		Min Length	2	

		Max Length	6	
		Sample value	0.1	
08	postingAmount	Description	Posting amount received in Response	
		Mandatory	Y	
		Type	N	
		Min Length	2	
		Max Length	6	
		Sample value	40.00	
09	mdr	Description	MDR Amount	
		Mandatory	Y	
		Type	N	

		Min Length	2	
		Max Length	6	
		Sample value	0.0	
10	gstOnMdr	Description	GST Charges on MDR	
		Mandatory	Y	
		Type	N	
		Min Length	2	
		Max Length	6	
		Sample value	0.0	
11	netSettlementAmount	Description	Net Settlement Amount	

		Mandatory	Y	
		Type	N	
		Min Length	2	
		Max Length	6	
		Sample value	40.00	
12	udf1	Description	Default value is "NA". The user (merchant) defines these fields. These fields are for merchant to pass additional transaction related information like customer email id, contact number, Address etc..	
		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	200	
		Sample value	NA	
13	udf2	Description	Default value is "NA". The user (merchant) defines these fields. These fields are for merchant to	

			pass additional transaction related information like customer email id, contact number.	
--	--	--	---	--

		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	200	
		Sample value	NA	
14	udf3	Description	Default value is "NA". The user (merchant) defines these fields. These fields are for merchant to pass additional transaction related information like customer email id, contact number.	
		Mandatory	Y	
		Type	AN(Space allowed in Card Name Field)	
		Min Length	2	
		Max Length	200	
		Sample value	NA	
15	udf4	Description	Default value is "NA". The user (merchant) defines these fields. These fields are for merchant to pass additional transaction related information like customer email id, contact number.	
		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	250	
		Sample value	NA	
16	udf5	Description	Default value is "NA". The user (merchant) defines these fields. These fields are for merchant to pass additional transaction related information like customer email id, contact number.	
		Mandatory	Y	
		Type	AN	
		Min Length	2	
		Max Length	200	
		Sample value	NA	
17	refundAmount	Description	Amount to be refunded	
		Mandatory	Y	
		Type	N	
		Min Length	2	

		Max Length	6	
		Sample value	0.0	
18	refundType	Description	Type of the Refund	
		Mandatory	Y	
		Type	A	
		Min Length	2	
		Max Length	20	
		Sample value	NA	

19	bankRefNo	Description	Reference Number from Bank	
		Mandatory	Y	
		Type	AN	
		Min Length	1	
		Max Length	32	
		Sample value	NA	
20	isGenerated	Description	Generated Status	
		Mandatory	Y	
		Type	A	
		Min Length	1	
		Max Length	1	
		Sample value	Y	
21	utrNo	Description	UTR Number of the Transaction	
		Mandatory	Y	
		Type	N	
		Min Length	1	
		Max Length	32	
		Sample value	19012021	

22	settlementDate	Description	Settlement Date Time
		Mandatory	Y
		Type	Date Time
		Min Length	19
		Max Length	19
		Sample value	YYYY-MM-ddHH:mm:ss(2021-01-19 17:01:18)
23	emailId	Description	Email Id
		Mandatory	Y
		Type	A
		Min Length	1
		Max Length	35
		Sample value	test@test.com
24	instrumentId	Description	Instrument Id
		Mandatory	Y
		Type	A
		Min Length	2
		Max Length	6
		Sample value	NB
25	spName	Description	Service Provider Name
		Mandatory	Y
		Type	A
		Min Length	1
		Max Length	15
		Sample value	HDFC

SampleResponse :-

```
[
{
```

```
"transactionId": "XXXXXXX",
"merchantTxnId": "XXXXXXX",
"transactionDate": "XXXX-XX-XX XX:XX:XX",
"merchantId": "XXXXXX",
"merchantName": "XXXXXXXXXXXX",
"commissionPercentage": "0.0",
"commissionFlat": "0.0",
"postingAmount": "0.00",
"mdr": "0.0",
"gstOnMdr": "0.0",
"netSettlementAmount": "0.00",
"refundAmount": "0.00",
"refundType": "0.0",
"bankRefNo": "NA",
"isGenerated": "NA",
"utrNo": "Y",
"settlementDate": "XXXXXXX",
"emailId": "XXXX-XX-XX XX:XX:XX",
"udf1": "NA",
"udf2": "NA",
"udf3": "NA",
"udf4": "NA",
"udf5": "NA",
"instrumentId": "NA",
"spName": "XXXX"
},
{
  "transactionId": "XXXXXXX",
  "merchantTxnId": "XXXXXXX",
  "transactionDate": "XXXX-XX-XX XX:XX:XX",
  "merchantId": "XXXXXX",
  "merchantName": "XXXXXXXXXXXX",
  "commissionPercentage": "0.0",
  "commissionFlat": "0.0",
  "postingAmount": "0.00",
  "mdr": "0.0",
  "gstOnMdr": "0.0",
  "netSettlementAmount": "0.00",
  "refundAmount": "0.00",
  "refundType": "0.0",
  "bankRefNo": "NA",
  "isGenerated": "NA",
  "utrNo": "Y",
  "settlementDate": "XXXXXXX",
  "emailId": "XXXX-XX-XX XX:XX:XX",
  "udf1": "NA",
```

```
"udf2": "NA",  
"udf3": "NA",  
"udf4": "NA",  
"udf5": "NA",  
"instrumentId": "NA",  
"spName": "XXXX"  
}  
]
```

Error message:-

1. { error: "NOT FOUND"
message : "No record found for date"}

Description: When there is no record for requested date.

2. { error: "BAD_REQUEST"
message : "Input value 'abcd' is invalid. Required type is Date."}

Description: When any other String is entered rather than Date.

3. { error: "BAD_REQUEST"
message : "settlementDate parameter is missing"}

Description: When settlementDate request parameter is missing.

4. { error: "BAD_REQUEST"
message : "limit parameter is missing"}

Description: When limit request parameter is missing.

5. { error: "BAD_REQUEST"
message : "skip parameter is missing"}

Description: When skip request parameter is missing.