

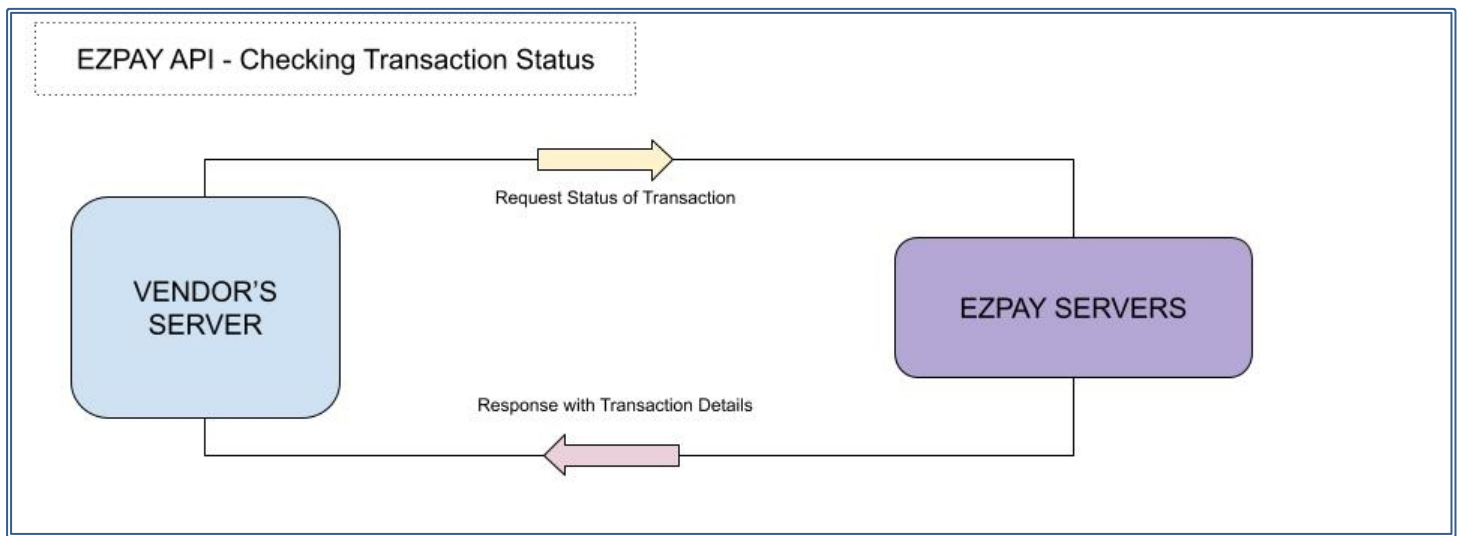
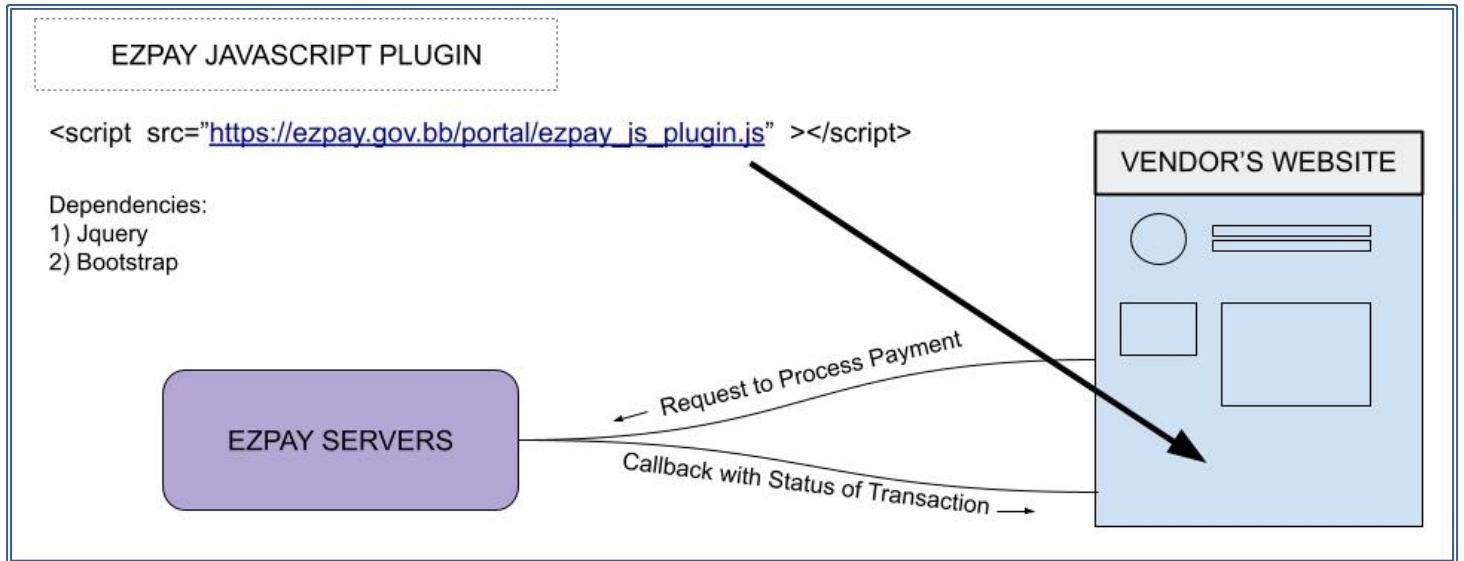


EZPAY+ INTEGRATION

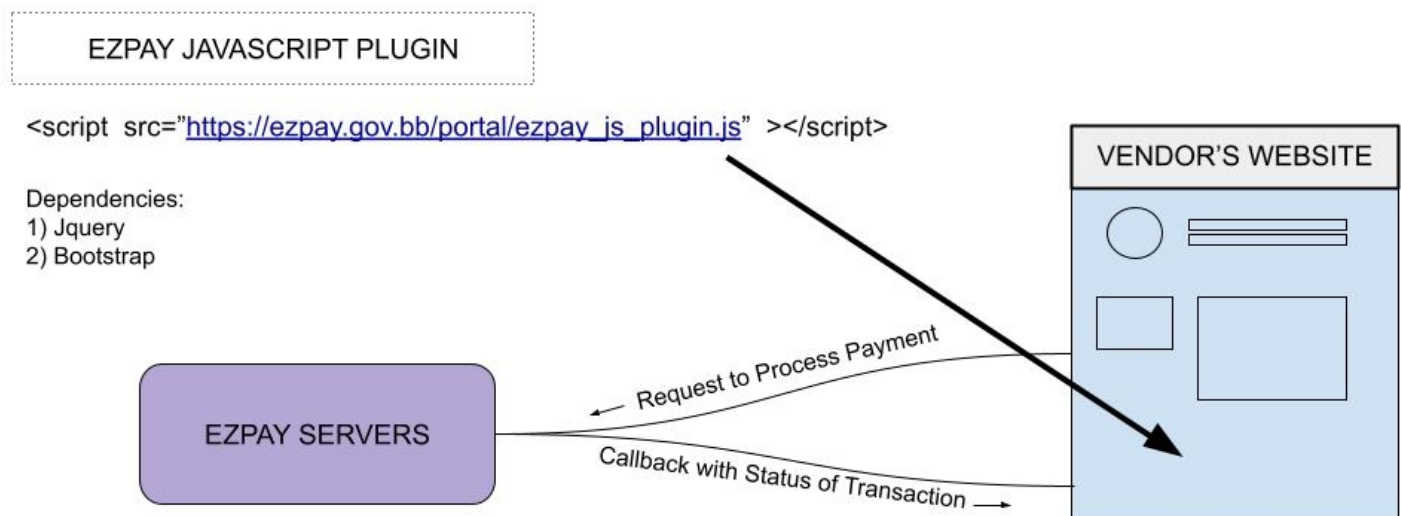
v2.3

ENABLING ONLINE CREDIT CARD AND DEBIT PAYMENTS
SEAMLESSLY WITH EZPAY

WORKFLOW DIAGRAMS



PURPOSE: Designed to be a simple JavaScript include on the payment page which will facilitate payments through Ezipay for debit and credit card transactions.



CONFIGURATION

https://dev.ezpay.gov.bb/portal/scripts/ezpay_js_plugin.js [Testing]
https://ezpay.gov.bb/portal/scripts/ezpay_js_plugin.js [Production]

- 1) On the Payment page, include the JavaScript file for the ezpay plugin, in the header/footer section.

Example:

```
<html>
<head>
.... jquery ....
.... bootstrap....
<script src="https://ezpay.gov.bb/portal/scripts/ezpay_js_plugin.js" type="text/javascript" ></script>
....
```

- 2) **Placing the Ezipay Button:**

In the document, place the 'div' where you would like the Ezipay button to appear. At runtime, the div will be replaced with the ezpay button.

Example:

```
<body>
...
<div style="" id='ezpay_button'>EZPAY BUTTON</div>
...
```

3) Local Configuration:

The details for the payment can be set in the JavaScript function as indicated below.

```
<script>
  function LoadEzpayButton()
  {
    ez_payment_code = "1234VF4rD3"; // Payment Code for the Specific form or Service(From Ezpay)
    ez_payment_amount = "150.00"; //Total Amount the User will pay
    ez_payment_details = "Police certificate of character"; // Description of the Service
    ez_process_id = "12345678912345678912"; // Services Unique Identifier
    ez_reference_email = "customer@vendor.com"; // Receipts can be emailed to the reference email
    ez_reference_name = "John James III"; // Name of the User/Applicant
    ez_reference_number = "123456789"; // Vendor's reference number

    $("#EzPaymentModal").modal("show"); //Open the Ezpay Modal
  }

  function ezpay_callback(response)
  {
    // Vendor code to the handle response from payment processing on EZpay
    console.log(response);
    var r = JSON.parse(response); // Parsed to an array
  }
</script>
```

4) Callback function

In order to provide the response of the payment transaction a callback function is also added to the document. The response from the request to EZpay is passed into this function and can be used as needed. The response includes the transaction number and status of the transaction. The vendor may choose to handle this response as they wish for their own internal workflow and process.

Response

A JSON object is returned and can be parsed accordingly.

Sample Response Data (Debit account transaction):

```
{
  "success": true,
  "msg": "Payment Initiated",
  "reference_name": "John James III",
  "reference_number": "123456789",
  "reference_email": "customer@vendor.com",
  "process_id": "12345678912345678912",
  "type": "Direct Debit",
  "transaction_number": "21022420262900334473",
  "ezpay_account": "dpd5b900072337bf",
  "total": 150,
  "payment_status": "Initiated",
  "items": "\"Charges for police certificate of character\""
}
```

Notes:

items: Json encoded string of the items sent with the payment

reference_name: The value sent with the payment and recorded in Ezpay

reference_number: The value sent with the payment and recorded in Ezpay

reference_email: The value sent with the payment and recorded in Ezpay.

process_id: The value sent with the payment and recorded in Ezpay

total: The specified amount for the transaction.

account: The Ezpay Account Number used for the transaction

status: Status of the payment in Ezpay

Payment Statuses:

Possible values for the payment status is as follows: **"Initiated"**, **"Success"**, **"Failed"**

Credit Card Transactions: A JSON object is returned and can be parsed accordingly.

Sample Response Data (Credit Card transaction):

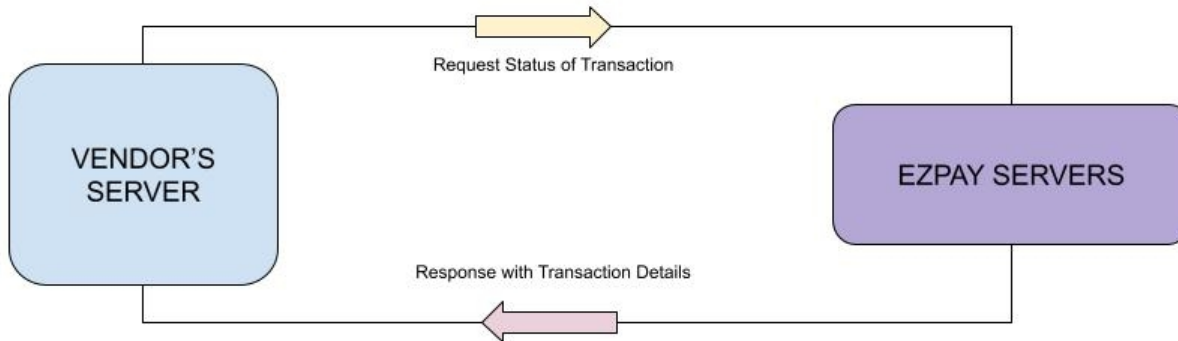
```
{
  "success": true,
  "msg": "Payment Initiated",
  "reference_name": "John James III",
  "reference_number": "123456789",
  "reference_email": "customer@vendor.com",
  "process_id": "12345678912345678912",
  "type": "Credit Card",
  "transaction_number": "21022420262900334473",
  "ezpay_account": "dpd5b900072337bf",
  "total": 150,
  "payment_status": "Initiated",
  "items": "\"Charges for police certificate of character\""
```

Failed Credit Card Transaction

```
{
  "success": false,
  "msg": "92: Cannot contact bank",
  "title": "Error",
  "type": "Credit Card",
  "reference_name": "John James III",
  "reference_number": "123456789",
  "reference_email": "customer@vendor.com",
  "process_id": "12345678912345678912",
  "transaction_number": "21022421032700749083",
  "ezpay_account": "dpd5d7f93af4015f",
  "total": 150,
  "payment_status": "Failed",
  "items": "\"Charges for police certificate of character\""
```

CHECKING THE STATUS OF A TRANSACTION

PURPOSE: Allow the Vendor to check to status of a transaction, retrieve the payment objects and user information.

EZPAY API - Checking Transaction Status**URL**

https://dev.ezpay.gov.bb/portal/scripts/services_api.php [Testing]

https://ezpay.gov.bb/portal/scripts/services_api.php [Production]

API KEY

An API key will be assigned to you in order to transact with EZPay. Please use the provided credentials. You are required to pass the API key as the X-API-Key header of each incoming request. Sample headers are shown below:

content-type: application/json

X-API-Key : **22222222** [A unique API KEY will be assigned for development and production]

Additionally, IP restricted access will be enforced to provide additional security.

Sample json content is provided below:

```
{
  "transaction_number": "21022505201800950756",
  "pobject": "42xZIKIEW7"
}
```

The header information will remain the same as mentioned above..

content-type: application/json

X-API-Key : **22222222** [A unique API KEY will be assigned for development and production]

NOTES: The “details” contains the entire json object of the initial payment request. This includes the reference fields, and any other vendor specific data.

Response

A Json object is returned with the details for the transaction.

```
[
  {
    "Date": "2021-02-25 00:20:18",
    "PaymentCode": "42xZlKIEW7",
    "Account": "dpd5b900072337bf",
    "Header": "Police Certificate of Character",
    "Details": [
      "{ \"HEADER\": \"Police Certificate of Character\", \"NAME\": \"Police Certificate of Character\", \"EZPAY_ACCOUNT\": \"dpd5b900072337bf\", \"reference_number\": \"123456789\", \"reference_name\": \"John James III\", \"reference_email\": \"customer@vondor.com\", \"process_id\": \"12345678912345678912\", \"ITEMS\": \"Charges for police certificate of character\", \"AMOUNT_DUE\": \"150.00\" }"
    ],
    "Amount": "150.00",
    "TransactionNumber": "21022505201800950756",
    "Status": "Initiated"
  }
]
```

ERROR RESPONSES

Message: {"status":"failed","msg":"Not Authorized (001)"}
Reason: IP address is not registered to use the api

Message: {"status":"failed","msg":"Not Authorized (002)"}
Reason: Invalid API KEY

Message: {"status":"failed","msg":"Sorry! We don't have a record of that Transaction"}
Reason: No matching transaction was found for that number with the respective payment code

Message: {"status":"failed","msg":"Transaction number is required"}
Reason: The payload does not have a parameter for transaction_number

Message: {"status":"failed","msg":"Transaction number is required"}
Reason: The payload does not have a parameter for transaction_number

Message: {"status":"failed","msg":"Payment Object is required"}
Reason: The payload does not have a parameter for transaction_number

SCREEN SHOTS - Credit Card Processing

The first screenshot shows the 'Select your Payment Type' screen. It features the EZpay+ logo and a progress bar with three steps. The first step is active, showing 'Credit Card' selected with a green checkmark and 'Debit Account' unselected. 'Previous' and 'Next' buttons are at the bottom.

The second screenshot shows the 'Billing Information' screen. It has a progress bar with the first two steps active. Fields include: Cardholder Name, Card Number, Exp Month (dropdown), Exp Year (dropdown), CVV, Billing Address, City/Parish, Country (dropdown set to Barbados), and ZIP. 'Previous' and 'Next' buttons are at the bottom.

The third screenshot shows the 'Confirm and Pay' screen. It has a progress bar with all three steps active. It displays a table with 'Description' and 'Total' columns, showing 'Charges for police certificate of character' for a total of '150.00'. 'Previous' and 'Pay' buttons are at the bottom.

SCREEN SHOTS - Debit Card Processing

The first screenshot shows the 'Select your Payment Type' screen. It features the EZpay+ logo and a progress bar with three steps. The second step is active, showing 'Debit Account' selected with a green checkmark and 'Credit Card' unselected. 'Previous' and 'Next' buttons are at the bottom.

The second screenshot shows the login screen. It has a progress bar with the first two steps active. It includes fields for Username (vancemills@gmail.com) and Password, with 'Register | Forgot Password' and 'Login' links. 'Previous' and 'Next' buttons are at the bottom.

The third screenshot shows the 'Payment Options' screen. It has a progress bar with all three steps active. It displays a 'Welcome Evanson Mills' message and two options: 'My Savings Bank of Nova Scotia' (selected with a green checkmark) and 'My Cruise Account Bank of Nova Scotia' (unselected). 'Previous' and 'Next' buttons are at the bottom.

CONTACT INFORMATION

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