



**VERSION 1.16.0**

30 Jan 2017

**NICEPAY ENTERPRIZE**

*Merchant Integration*

**CONFIDENTIAL**

### **Confidentiality**

The information in this document is confidential to the person or company to whom it is addressed and should not be disclosed to any other person. It may not be reproduced in whole, or in part, nor may any of the information contained therein be disclosed without the prior consent of the directors of PT IONPAY NETWORKS. A recipient may not solicit, directly or indirectly (whether through an agent or otherwise) the participation of another institution or person without the prior approval of the directors of the PT IONPAY NETWORKS. Any form of reproduction, dissemination, copying, disclosure, modification, distribution and or publication of this material is strictly prohibited.

## REVISION HISTORY

Version	Date	Description	Author	Approved by
1.11.0	09-Mar-2016	Initial Release	Arif Budiman	Yong Woon Kim
1.12.0	16-Mar-2019	Credit Card - Add parameter paymentExpDt - Add parameter paymentExpTm - Update notification-handler.php - Add payment flow	Arif Budiman	Yong Woon Kim
1.13.0	22-Mar-2019	Bug Fix - Fix Connection Timeout error in lib/NicepayApiRequestor.php - Add 5 times auto retry when timeout - Add example error handling in checkout.php	Arif Budiman	Yong Woon Kim
1.15.0	27-May-2016	Enhancement: Credit Card - add merchantToken for Validation of request cardToken - index.html change to index.php in order generate merchanToken, amt and referenceNo in server side to request - remove cardCvv of request cardToken - add merchantToken, amt and referenceNo to request cardToken - remove pan, expiry and purchase_amount to request 3D Secure - add cvv to charge card	Arif Budiman	Yong Woon Kim
1.16.0	30-Jan-2017	Recurring Token Recurring Token 3DS	Ricko Noviandi Karya	Berg Kim

## TABLE OF CONTENTS

1.	Product Overview and Features .....	4
1.1.	Product Overview.....	4
1.2.	Integration Process.....	4
1.3.	Prerequisites.....	4
1.4.	Inquiry .....	4
2.	Payment Flow .....	5
2.1.	Credit Card .....	5
2.2.	Virtual Account .....	6
2.3.	Charge Recurring Token .....	7
3.	Payment Integration .....	8
3.1.	NICEPay Object .....	8
3.2.	NICEPay Request Token.....	9
3.3.	NICEPay 3D Secure .....	9
3.4.	NICEPay Payment .....	11
3.5.	NICEPay Notification.....	22
3.6.	NICEPay Order Status (notification-handler.php).....	22
3.7.	NICEPay Cancel VA (cancel-va.php) .....	26
3.8.	NICEPay Tokenization (Recurring Token) .....	28
3.8.1.	3DS Recurring Token.....	28
3.8.1.1.	Request Card Token for 3DSecure .....	31
3.8.1.2.	3D Secure (Popup Page).....	33
3.8.1.3.	NICEPay Payment Recurring .....	35
3.8.2.	Key In Recurring .....	40
3.8.2.1.	NICEPay Payment Recurring .....	41
3.9.	NICEPay Reference Code .....	47

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

## 1. Product Overview and Features

### 1.1. Product Overview

NICEPAY Payment Solution is a product of PT IONPAY NETWORKS that provide various electronic payment over the Internet safely without separate security device. NICEPAY have integrate with Banks host to host connection for better and faster performance. Using latest technology, NICEPAY confidence to grow your business together.

### 1.2. Integration Process

1. Understanding SDK, Parameters and Payment Flow
2. Explore API Operation Calls
3. Integration
4. Implementation Test (Development Environment)
5. Request Production MID and API Key
6. Go Live

### 1.3. Prerequisites

1. Test MID
2. Test API Key
3. NICEPAY DIRECT PHP SDK

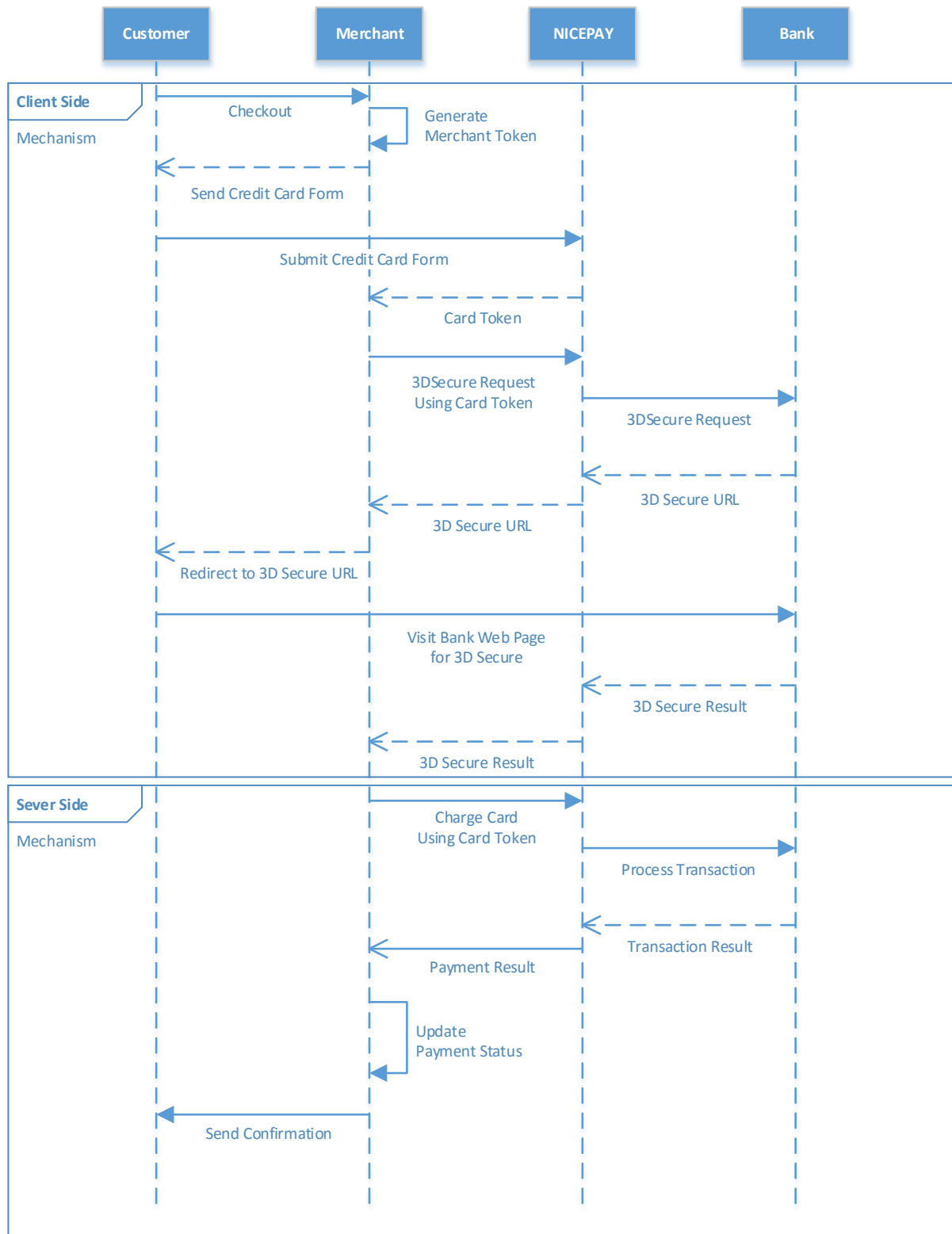
### 1.4. Inquiry

Have any inquiry? Please contact us: [it@nicepay.co.id](mailto:it@nicepay.co.id)

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

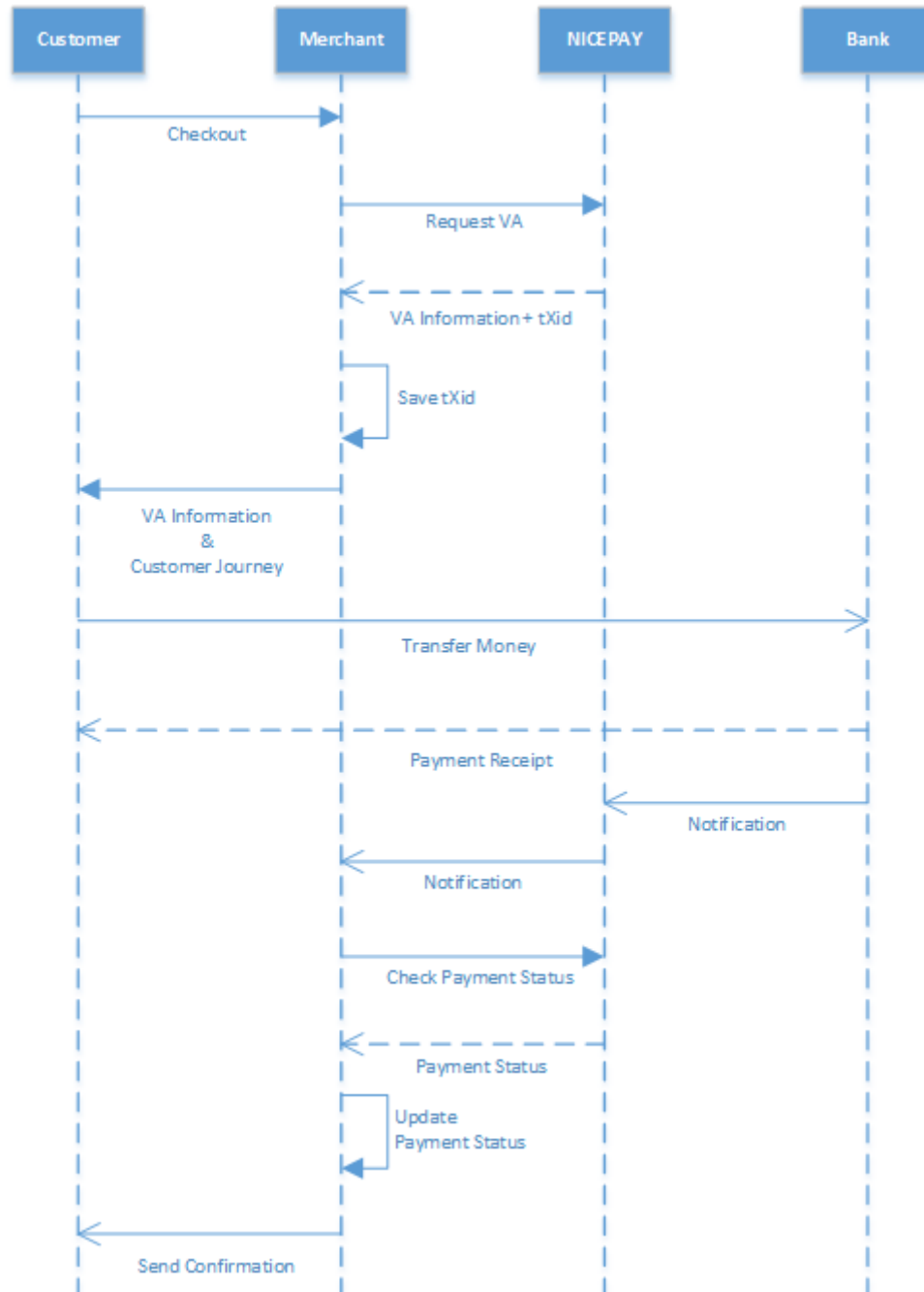
## 2. Payment Flow

### 2.1. Credit Card



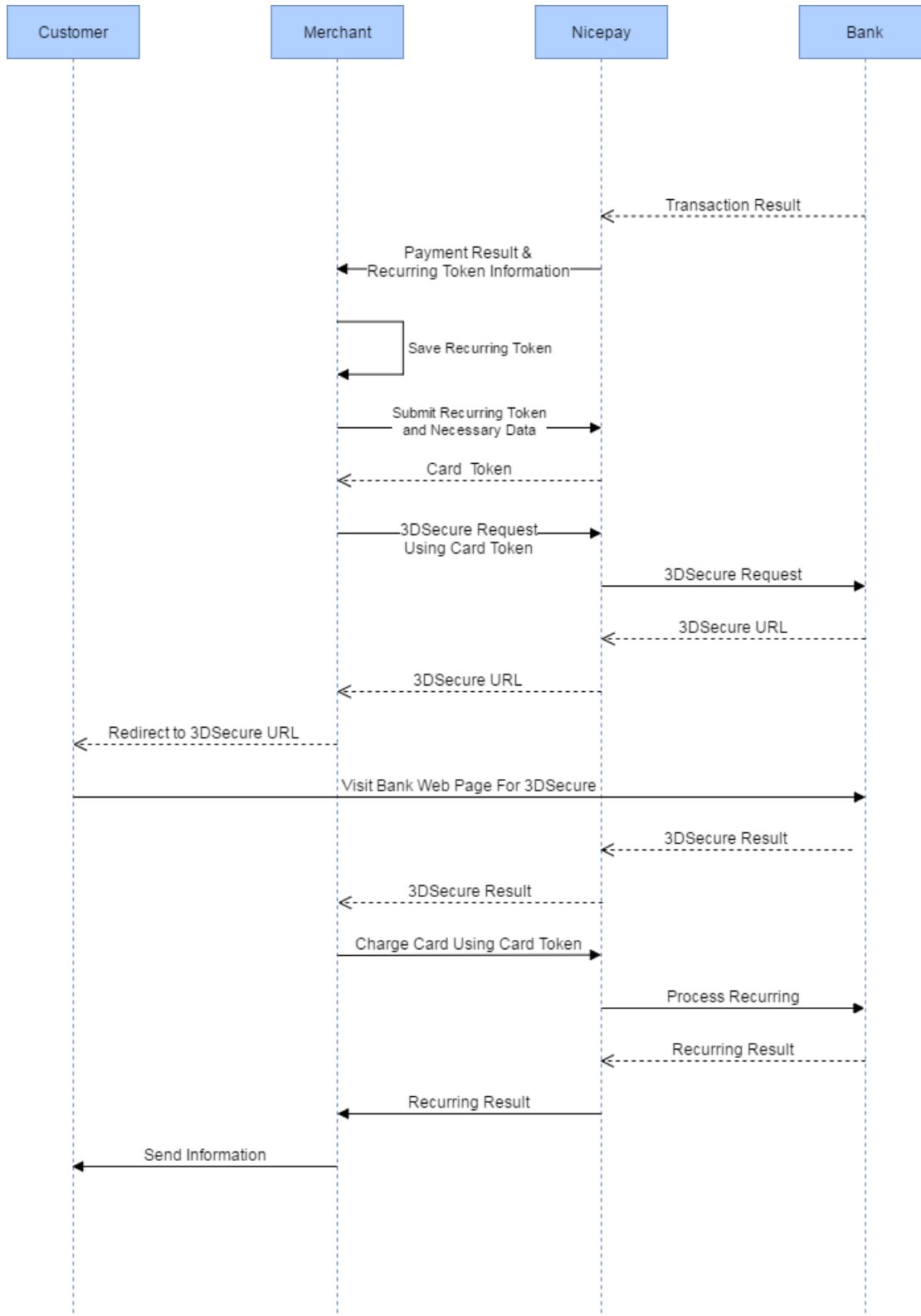
NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

## 2.2. Virtual Account



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 2.3. Charge Recurring Token



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3. Payment Integration

#### 3.1. NICEPay Object

- **Merchant Registration**

Before using NICEPay System, Merchant should register NICEPay Service. Contact NICEPay representative.

Credential	Description
iMid	Merchant ID
merchantKey	Merchant API Key

- **Files provided**

File	Description
NICEPay-PHP-Enterprise-116.zip	NICEPay library
NICEPAY Enterprise For PHP_v1.16_English.pdf	Documentation (this document)
Quick Start_v1.15_English.pdf	Quick Start Guide

- **Configuration (lib/NicepayConfig.php)**

1.	<code>/**</code>
2.	<code>Setting Global Parameters of NICEPAY Payment</code>
3.	<code>*/</code>
4.	<code>define("NICEPAY_IMID", "IONPAYTEST"); // Merchant ID</code>
5.	<code>define("NICEPAY_MERCHANT_KEY", "33F49GnCMS1mFYIGXisbUDzVf2ATWCI9k3R++d5hDd3Frmuos/XLx8XhXpe+LDYAbpGKZYSwtlvyLOtS/8aD7A=="); // API Key</code>
6.	<code>define("NICEPAY_CALLBACK_URL", "http://httpresponder.com/nicepay"); // Merchant's result page URL</code>
7.	<code>define("NICEPAY_DBPROCESS_URL", "http://httpresponder.com/nicepay"); // Merchant's notification handler URL</code>
8.	
9.	<code>/* TIMEOUT - Define as needed (in seconds) */</code>
10.	<code>define( "NICEPAY_TIMEOUT_CONNECT", 15 );</code>
11.	<code>define( "NICEPAY_TIMEOUT_READ", 25 );</code>



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.2. NICEPay Request Token

API url	https://www.nicepay.co.id/nicepay/api/onePassToken.do
method	GET, POST
Description	3D-Secure API

- Parameter for Request Token

Parameter	Description	Mandatory	SIZE(byte)
jsonData	Card information data	√	1024

#### Example jsonData

```
1. {"referenceNo":"Invoice-001","amt":"100","cardNo":"4221*****5838","cardExpYymm":"2101","merchantToken":"01231674a355a822cd0ada2dc3b697b2530d2968b8xxx6e0797a6c212b2bd4bc"}
```

- Response for Request Token (JSON)

```
1. {"resultCd":"0000","cardToken":"a03e8e465843b7d19ef9f67c5888d7411394b6c1740ddd5444fc5020ea20c36","resultMsg":"SUCCESS","paymentType":"1"}
```

### 3.3. NICEPay 3D Secure

- 3D Secure URL

API url	https://www.nicepay.co.id/nicepay/api/secureVeRequest.do
method	GET, POST
Description	3D-Secure

- Setting NICEPay 3D Secure Parameter

```
1. function getOnePassToken(merchantToken,imid)
2. {
3.     var ajaxUrl = "https://www.nicepay.co.id/nicepay/api/onePassToken.do";
4.     var dataObject = new Object();
5.     var paymentType = "1";
6.     var iMid = imid;
7.
8.     dataObject.iMid = iMid;
9.     dataObject.referenceNo = $("#referenceNo").val();
10.    dataObject.amt = $("#amt").val();
11. }
```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

12.     var threeDsecurephp = "http://localhost/nicepay-direct-color/3dsecure.php";
13.     dataObject.cardNo = $("#number").val();
14.     dataObject.cardExpYymm = $("#exp-month").val();
15.     dataObject.merchantToken = merchantToken;
16.
17.     $.ajax({
18.         url : ajaxUrl,
19.         type : "post",
20.         crossDomain: true,
21.         data : "jsonData=" + JSON.stringify(dataObject),
22.         dataType: "jsonp",
23.         timeout : 30000,
24.         success : function(data) {
25.             var get_data = eval(data);
26.             var resultCd = get_data["resultCd"];
27.             var resultMsg = get_data["resultMsg"];
28.             if(resultCd == "0000"){
29.                 $("#onePassToken").val(get_data["cardToken"]);
30.                 var amount = $("#amt").val();
31.                 var onePassToken = get_data["cardToken"];
32.                 //3d secure
33.                 if(onePassToken == null || onePassToken == ""){
34.                     alert("onePassToken failed.")
35.                     return;
36.                 }
37.                 $("#onePassToken").val(onePassToken);
38.                 var targetUrl = "https://www.nicepay.co.id/nicepay/api/secureVeRequest.do?country=360" +
39.                     "&callbackUrl="+threeDsecurephp+
40.                     "&onePassToken=" + onePassToken;
41.                 $.featherlight({iframe: targetUrl, iframeMaxWidth: '100%', iframeWidth: 450, iframeHeight: 450});
42.             }
43.             else{
44.                 alert(resultMsg);
45.             }
46.         },

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

47.     error : function(request,status,error){
48.         alert(status);
49.     }
50. });
51. }

```

- Request Parameter for 3D Secure

Parameter	Description	Mandatory	SIZE(byte)
country	Card Number	√	3
callbackUrl	Card Expiry	√	255
onePassToken	Amount	√	64

- Response for 3D Secure

Redirect to Bank Website to fill OTP

### 3.4. NICEPay Payment

- Payment URL

API url	https://www.nicepay.co.id/nicepay/api/onePass.do
method	POST
Description	CreditCard, Virtual Account payment API

- Setting NICEPay Payment Parameter

```

1. <?php
2. /*
3.  * _____
4.  *
5.  * Copyright (C) 2016 NICE IT&T
6.  *
7.  * Please do not modify this module.
8.  * This module may used as it is, there is no warranty.
9.  *
10. * @ description : PHP SSL Client module.
11. * @ name       : charge.php
12. * @ author      : NICEPAY I&T (tech@nicepay.co.kr)

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

13.  * @ date      :
14.  * @ modify    : 16.05.2016
15.  *
16.  * 2016.02.22 Update Log
17.  * Please contact it.support@ionpay.net for inquiry
18.  *
19.  * _____
20.  */
21.
22.  // Include Config File
23.  include_once "lib/NicepayLib.php";
24.  $nicepay = new NicepayLib();
25.
26.  function generateReference()
27.  {
28.      $micro_date = microtime();
29.      $date_array = explode(" ", $micro_date);
30.      $date = date("YmdHis", $date_array[1]);
31.      $date_array[0] = preg_replace('/[^\p{L}\p{N}]/u', "", $date_array[0]);
32.      return "Ref". $date. $date_array[0]. rand(100,999);
33.  }
34.  /*
35.  * _____
36.  *
37.  * Virtual Account Payment Method
38.  * _____
39.  */
40.  if(isset($_POST['payMethod']))
41.      && $_POST['payMethod'] == '02'
42.      && isset($_POST['bankCd'])
43.      && $_POST['bankCd']
44.  )
45.  {
46.      $bankCd      = $_POST['bankCd'];
47.      $dateNow     = date('Ymd');

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

48.	\$vaExpiryDate = date('Ymd', strtotime(\$dateNow . ' +1 day')); // Set VA expiry date +1 day (optional)
49.	
50.	// Populate Mandatory parameters to send
51.	\$nicepay->set('iMid', 'VACCTCLOSE'); // MID for testing Close Virtual Account
52.	// \$nicepay->set('iMid', 'VACCTOPEN'); Open Payment
53.	\$nicepay->set('payMethod', '02');
54.	\$nicepay->set('currency', 'IDR');
55.	\$nicepay->set('amt', 100); // Total gross amount
56.	\$nicepay->set('referenceNo', generateReference()); // Invoice Number or Referenc Number Generated by merchant
57.	\$nicepay->set('description', 'Payment of Invoice No '.\$nicepay->get('referenceNo')); // Transaction description
58.	\$nicepay->set('bankCd', \$bankCd);
59.	
60.	\$nicepay->set('billingNm', 'John Doe'); // Customer name
61.	\$nicepay->set('billingPhone', '02112345678'); // Customer phone number
62.	\$nicepay->set('billingEmail', 'john@example.com'); //
63.	\$nicepay->set('billingAddr', 'Jl. Jend. Sudirman No. 28');
64.	\$nicepay->set('billingCity', 'Jakarta Pusat');
65.	\$nicepay->set('billingState', 'DKI Jakarta');
66.	\$nicepay->set('billingPostCd', '10210');
67.	\$nicepay->set('billingCountry', 'Indonesia');
68.	
69.	\$nicepay->set('deliveryNm', 'John Doe'); // Delivery name
70.	\$nicepay->set('deliveryPhone', '02112345678');
71.	\$nicepay->set('deliveryEmail', 'john@example.com');
72.	\$nicepay->set('deliveryAddr', 'Jl. Jend. Sudirman No. 28');
73.	\$nicepay->set('deliveryCity', 'Jakarta Pusat');
74.	\$nicepay->set('deliveryState', 'DKI Jakarta');
75.	\$nicepay->set('deliveryPostCd', '10210');
76.	\$nicepay->set('deliveryCountry', 'Indonesia');
77.	
78.	\$nicepay->set('vacctVaildDt', \$vaExpiryDate); // Set VA expiry date example: +1 day
79.	\$nicepay->set('vacctVaildTm', date('His')); // Set VA Expiry Time
80.	
81.	// Send Data
82.	\$response = \$nicepay->requestVA();

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

83.
84.
85.     // Response from NICEPAY
86.     // var_dump($response);
87.     if (isset($response->resultCd) && $response->resultCd == "0000") {
88.         echo "<pre>";
89.         echo "txId      : $response->txId\n";
90.         echo "callbackUrl  : $response->callbackUrl\n";
91.         echo "description  : $response->description\n";
92.         echo "payment date   : $response->transDt\n"; // YYMMDD
93.         echo "payment time   : $response->transTm\n"; // HH24MISS
94.         echo "virtual account : $response->bankVacctNo\n";
95.         echo "result code    : $response->resultCd\n";
96.         echo "result message  : $response->resultMsg\n";
97.         echo "reference no   : $response->referenceNo\n";
98.         echo "payment method : $response->payMethod";
99.         echo "</pre>";
100.     } elseif(isset($response->resultCd)) {
101.         // API data not correct or error happened in bank system, you can redirect back to checkout page or echo error message.
102.         // In this sample, we echo error message
103.         echo "<pre>";
104.         echo "Oops! Something happened, please notice your system administrator.\n\n";
105.         echo "result code    : $response->resultCd\n";
106.         echo "result message  : $response->resultMsg\n";
107.         echo "</pre>";
108.     } else {
109.         // Timeout, you can redirect back to checkout page or echo error message.
110.         // In this sample, we echo error message
111.         echo "<pre>Connection Timeout. Please Try again.</pre>";
112.     }
113.
114. }
115. /*
116. * _____
117. *

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

118.  * Credit Card Payment Method
119.  * _____
120.  */
121.  elseif(isset($_POST['payMethod']))
122.      && $_POST['payMethod'] == '01'
123.      && isset($_POST['billingNm'])
124.      && $_POST['billingNm']
125.      && isset($_POST['onePassToken'])
126.      && $_POST['onePassToken']
127.      && isset($_POST['cardExpYymm'])
128.      && $_POST['cardExpYymm']
129.  )
130.  {
131.
132.      $billingNm    = $_POST['billingNm'];
133.      $onePassToken = $_POST['onePassToken'];
134.      $cardExpYymm  = $_POST['cardExpYymm'];
135.      $cardCvv     = $_POST['cardCvv'];
136.
137.      // Populate Mandatory parameters to send
138.      $nicepay->set('payMethod', '01');
139.      $nicepay->set('currency', 'IDR');
140.      $nicepay->set('amt', 100); // Total gross amount
141.      $nicepay->set('referenceNo', generateReference()); // Invoice Number or Referenc Number Generated by merchant
142.      $nicepay->set('description', 'Payment of Invoice No '.$nicepay->get('referenceNo')); // Transaction description
143.
144.      $nicepay->set('billingNm', 'John Doe'); // Customer name
145.      $nicepay->set('billingPhone', '02112345678'); // Customer phone number
146.      $nicepay->set('billingEmail', 'john@example.com'); //
147.      $nicepay->set('billingAddr', 'Jl. Jend. Sudirman No. 28');
148.      $nicepay->set('billingCity', 'Jakarta Pusat');
149.      $nicepay->set('billingState', 'DKI Jakarta');
150.      $nicepay->set('billingPostCd', '10210');
151.      $nicepay->set('billingCountry', 'Indonesia');
152.

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

153. $nicepay->set('deliveryNm', 'John Doe'); // Delivery name
154. $nicepay->set('deliveryPhone', '02112345678');
155. $nicepay->set('deliveryEmail', 'john@example.com');
156. $nicepay->set('deliveryAddr', 'Jl. Jend. Sudirman No. 28');
157. $nicepay->set('deliveryCity', 'Jakarta Pusat');
158. $nicepay->set('deliveryState', 'DKI Jakarta');
159. $nicepay->set('deliveryPostCd', '10210');
160. $nicepay->set('deliveryCountry', 'Indonesia');
161. $nicepay->set('onePassToken', $onePassToken);
162. $nicepay->set('cardExpYymm', $cardExpYymm);
163. $nicepay->set('cardCvv', $cardCvv);
164.
165. // Send Data
166. $response = $nicepay->chargeCard();
167.
168.
169. // Response from NICEPAY
170. // var_dump($response);
171. // exit();
172. if (isset($response->resultCd) && $response->resultCd == "0000") {
173.     echo "<pre>";
174.     echo "tXid      : $response->tXid\n";
175.     echo "callbackUrl  : $response->callbackUrl\n";
176.     echo "description  : $response->description\n";
177.     echo "payment date  : $response->transDt\n"; // YYYYMMDD
178.     echo "payment time  : $response->transTm\n"; // HH24MISS
179.     echo "result code   : $response->resultCd\n";
180.     echo "result message : $response->resultMsg\n";
181.     echo "reference no   : $response->referenceNo\n";
182.     echo "payment method : $response->payMethod";
183.     echo "</pre>";
184.     // var_dump($response);
185. } elseif(isset($response->resultCd)) {
186.     // API data not correct or error happened in bank system, you can redirect back to checkout page or echo error message.
187.     // In this sample, we echo error message

```



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

188.     echo "<pre>";
189.     echo "Oops! Something happened, please notice your system administrator.\n\n";
190.     echo "result code   : $response->resultCd\n";
191.     echo "result message : $response->resultMsg\n";
192.     echo "</pre>";
193. } else {
194.     // Timeout, you can redirect back to checkout page or echo error message.
195.     // In this sample, we echo error message
196.     echo "<pre>Connection Timeout. Please Try again.</pre>";
197. }
198. }
199. elseif(isset($_POST['payMethod']) && $_POST['payMethod'] == '01') {
200.     echo "Please fill all card data field";
201.     // print_r($_POST);
202. }
203. // Unknown
204. else {
205.     echo "Unknown method";
206. }

```

- Request Parameter for Payment

Parameter	Description	Mandatory	SIZE(byte)
iMid	Merchant Id	√	10
payMethod	Pay Method	√	2
currency	currency	√	3
amt	Goods amt	√	12
instmntType	Installment Type	Only CC	2
instmntMon	Installment month	Only CC	2
referenceNo	Merchant Order No	√	40
goodsNm	Goods Name	√	100
billingNm	Buyer name	√	30
billingPhone	Buyer Phone Number	√	15
billingEmail	Buyer email	√	40
billingAddr	Buyer address	√	100

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

billingCity	Buyer city	√	50
billingState	Billing state	√	50
billingPostCd	Billing Post number	√	10
billingCountry	Billing Country	√	10
deliveryNm	delivery name	√	30
deliveryPhone	delivery phone number	√	15
deliveryAddr	delivery address	√	100
deliveryCity	delivery city	√	50
deliveryState	delivery state	√	50
deliveryPostCd	delivery post number	√	10
deliveryCountry	delivery country	√	10
callBackUrl	payment result forward url (on browser)	√	255
dbProcessUrl	payment result receive url (server side)	√	255
vat	vat	√	12
fee	service fee	√	12
notaxAmt	tax free amount	√	12
description	description	√	100
merchantToken	merchantToken	√	255
reqDt	request date		8
reqTm	request time		6
reqDomain	request domain		100
reqServerIP	request server ip		15
reqClientVer	req client version		50
userIP	user ip (customer)	√	15
userSessionID	user session id		100
userAgent	user agent information		100
userLanguage	user language		2
cartData	cart data	√	4000
merFixAccid	merchant reserved VA id		40
vacctVaildDt	VA validate date		8
vacctValidTm	VA validate time		6
bankCd	bank code	Only VA	4

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

cardExpYymm	card expiry	Only CC	4
cardCvv	card cvv	Only CC	3
onePassToken	Card Token	Only CC	64

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- **Response Parameter for Payment**

Parameter	Description	Mandatory	SIZE(byte)
resultCd	result code	√	4
resultMsg	result message	√	255
tXid	txid	When success	30
referenceNo	order number	When success	40
authNo	Authorization number	When success - Only CC	10
bankVacctNo	VA number	When success - Only VA	
amount	goods amount	When success	12
transDt	VA regist date	When success	8
transTm	VA regist time	When success	6
description	description	When success	100

- **Cart Data Parameter for Payment**

Parameter	Description
count	Total card data count
item	
Item -> img_url	good's image URL (image size 50*50)
Item -> goods_name	goods name
Item -> goods_detail	goods detail
Item -> goods_amt	goods amt

**Example:**

JSON of cartData

```

1.  {
2.    "count": "2",
3.    "item": [
4.      {
5.        "img_url": "http://img.aaa.com/ima1.jpg",
6.        "goods_name": "Item 1 Name",
7.        "goods_detail": "Item 1 Detail",
8.        "goods_amt": "700"

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

9.   },
10.  {
11.    "img_url": "http://img.aaa.com/ima2.jpg",
12.    "goods_name": "Item 2 Name",
13.    "goods_detail": "Item 2 Detail",
14.    "goods_amt": "300"
15.  }
16. ]
17. }

```

#### Setting Cart Data Parameter :

```

1.  $nicepay-

>set('cartData', '{"count": "2", "item": [{"img_url": "http://img.aaa.com/ima1.jpg", "goods_name": "Item 1 Name", "goods_detail":
"Item 1 Detail", "goods_amt": "700"}, {"img_url": "http://img.aaa.com/ima2.jpg", "goods_name": "Item 2 Name", "goods_detail": "I
tem 2 Detail", "goods_amt": "300"}]}');

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.5. NICEPay Notification

- Notification URL

Merchant notification url	https://example.com/notification (defined as dbProcessUrl in Payment API)
method	POST
Description	Transaction Notification
Merchant Token	SHA256 (Merchant ID + Transaction ID + Amount + Merchant Key)

- Notification POST Request Example

```
http://example.com/notification?tXid={tXid}&referenceNo={referenceNo}&amt={amt}&merchantToken={merchantToken}
```

- Request Parameter for Notification

Parameter	Description	Mandatory	Type	SIZE(byte)
tXid	Transaction Id	√	AN	30
referenceNo	Merchant Order No	√	AN	40
amt	Goods amt	√	N	12
merchantToken	merchantToken	√	AN	255

- Generate Merchant Token

merchantToken = SHA256(iMid+tXid+amt+merchantKey)

### 3.6. NICEPay Order Status (notification-handler.php)

- Order Status URL

API url	https://www.nicepay.co.id/nicepay/api/onePassStatus.do
method	POST
Description	Order Status Inquiry

- Setting NICEPay Order Status Parameter

1.	\$nicepay->set('tXid', \$tXid);
2.	\$nicepay->set('referenceNo', \$referenceNo);
3.	\$nicepay->set('amt', \$amt);
4.	\$nicepay->set('iMid', \$iMid);
5.	
6.	\$merchantToken = \$nicepay->merchantTokenC();

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

7. $nicepay->set('merchantToken', $merchantToken);
8.
9. // <REQUEST to NICEPAY>
10. $paymentStatus = $nicepay->checkPaymentStatus($txid, $referenceNo, $amt);
11.
12. // <RESPONSE from NICEPAY>
13. // Please update the payment status in your database right after you get the latest payment status
14. if($pushedToken == $merchantToken) {
15.     // Print only OK, no HTML, no UI, no beauty poem. Also make sure HTTP code = 200
16.     echo "OK";
17.     // Update the payment status in your database based on $paymentStatus->StatusDescription,
18.     // Send email notification to customer to notify payment succeed
19.
20.     // <RESPONSE from NICEPAY>
21.     // Please update the payment status in your database right after you get the latest payment status
22.     echo "<pre>";
23.     echo "$paymentStatus->status\n"; // This is Payment Status main reference to update Payment Status in merchant database
24.     /**
25.      **=====
26.      ** Credit Card
27.      **=====
28.      ** $paymentStatus->status == 0 // Success
29.      ** $paymentStatus->status == 1 // Failed
30.      ** $paymentStatus->status == 2 // Void or Refund
31.      ** $paymentStatus->status == 9 // Initialization or Unpaid
32.      **=====
33.      *
34.      **=====
35.      ** Virtual Account
36.      **=====
37.      ** $paymentStatus->status == 0 // Paid
38.      ** $paymentStatus->status == 3 // Unpaid
39.      ** $paymentStatus->status == 4 // Expired
40.      **=====
41.      */

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

42.     echo "$paymentStatus->tXid\n";
43.     echo "$paymentStatus->iMid\n";
44.     echo "$paymentStatus->referenceNo\n";
45.     echo "$paymentStatus->amt\n";
46.     // var_dump for more information
47.     // var_dump($paymentStatus);
48.     echo "</pre>";
49.
50. }
```

- Request Parameter for Order Status

Parameter	Description	Mandatory	SIZE(byte)
tXid	Transaction Id	√	30
iMid	Merchant Id	√	10
referenceNo	Merchant Order No	√	40
amt	Goods amt	√	12
merchantToken	merchantToken	√	255

- Response Parameter for Order Status

Parameter	Description	Mandatory	SIZE(byte)
tXid	Transaction Id	√	30
iMid	Merchant Id	√	10
currency	currency	√	3
amt	Goods amt	√	12
instmntMon	Installment month	Only CC	2
instmntType	Installment Type	Only CC	2
referenceNo	Merchant Order No	√	40
goodsNm	Goods Name	√	100
payMethod	Pay Method	√	2
billingNm	Buyer name	√	30
billingPhone	Buyer Phone Number	√	15
billingEmail	Buyer email	√	40
billingAddr	Buyer address	√	100
billingCity	Buyer city	√	50



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

billingState	Billing state	√	50
billingPostCd	Billing Post number	√	10
billingCountry	Billing Country	√	10
deliveryNm	delivery name	√	30
deliveryPhone	delivery phone number	√	15
deliveryAddr	delivery address	√	100
deliveryCity	delivery city	√	50
deliveryState	delivery state	√	50
deliveryPostCd	delivery post number	√	10
deliveryCountry	delivery country	√	10
vat	vat	√	12
fee	service fee	√	12
notaxAmt	tax free amount	√	12
description	description	√	100
merchantToken	merchantToken	√	255
reqDt	request date		8
reqTm	request time		6
resultCd	Result Code		4
resultMsg	Result Message		255
merFixAcctId	merchant reserved VA id	Only VA	40
vacctValidDt	VA validate date	Only VA	8
vacctValidTm	VA validate time	Only VA	6

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.7. NICEPay Cancel VA (cancel-va.php)

- Cancel URL

API url	https://www.nicepay.co.id/nicepay/api/onePassAllCancel.do
method	POST
Description	Virtual Account Cancel API

- Setting NICEPay Cancel Parameter

```

1. $nicepay = new NicepayLib();
2. if(!empty($_POST['txid']) && !empty($_POST['txid']))
3. {
4.     $iMid      = $nicepay->iMid;
5.     $txid      = $_POST['txid'];
6.     $amt       = $_POST['amt'];
7.
8.     $nicepay->set('txid', $txid);
9.     $nicepay->set('payMethod', '02');
10.    $nicepay->set('amt', $amt);
11.    $nicepay->set('iMid', $iMid);
12.    $nicepay->set('cancelType', 1);
13.
14.    $merchantToken = $nicepay->merchantTokenC();
15.    $nicepay->set('merchantToken', $merchantToken);
16.
17.    // <REQUEST to NICEPAY>
18.    $response = $nicepay->cancelVA($txid, $amt);
19.
20.    // <RESPONSE from NICEPAY>
21.    echo '<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">';
22.    echo "<pre>";
23.    var_dump($response);
24.    echo "</pre>";

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- Request Parameter for Cancel

Parameter	Description	Mandatory	SIZE(byte)
tXid	Transaction Id	√	30
iMid	Merchant Id	√	10
payMethod	Payment Method	√	2
cancelType	Cancel Type	√	2
cancelMsg	Cancel Message		255
merchantToken	merchantToken	√	255
amt	Amount		12
fee	Fee		12
vat	Vat		12
notaxAmt	Notax Amount		12
cancelServerIp	Server Ip		15
cancelUserId	User Id		30
cancelUserIp	User Ip		15
cancelUserInfo	User Information		100
cancelRetryCnt	Retry Count		2
worker	Worker		10

- Response Parameter for Cancel

Parameter	Description	Mandatory	SIZE(byte)
tXid	Transaction Id	√	30
referenceNo	Merchant Order No	√	40
canceltXid	Cancel Transaction Id	√	30
resultCd	Result Code	√	4
resultMsg	Result Message		255
transDt	Transaction Date		8
transTm	Transaction Time		6
description	Description		255
amount	Amount		12

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.8. NICEPay Tokenization (Recurring Token)

#### 3.8.1. 3DS Recurring Token

Add the code in **checkout.php** file to process recurring.

```
1. <button type="button" class="btn btn-selector" id="recthrees-btn">Recurring 3DS</button>
```

```
1. <div class="form" id="recthrees-form">
2.   <form id="recthreesForm" action="charge.php" method="post">
3.     <h2 class="form-title">Recurring 3DS</h2>
4.     <h4>Recurring Token</h4>
5.     <hr>
6.     <h3 style="padding-left:13%">
7.       <input type="text" id="recurringThreeDS" name="recurringThreeDS" placeholder="Fill Recurring Token" value="" required />
8.       <input type="password" id="cvvThreeDS" name="cvvThreeDS" placeholder="Fill cvv" value="" required />
9.       <input type="hidden" id="referenceNoThreeDS" name="referenceNoThreeDS" value="<?php echo $referenceNo; ?>" />
10.      <input type="hidden" id="amtThreeDS" name="amtThreeDS" value="<?php echo $amount; ?>" />
11.      <input type="hidden" id="resultMsg" name="resultMsg" value="" />
12.      <input type="hidden" id="resultCd" name="resultCd" value="" />
13.    </h3>
14.    <hr>
15.    <input type="hidden" name="payMethod" value="04">
16.    <button type="button" class="btn-submit" id="recthrees" onclick="javascript:recProcessThreeDS('<?=$nicepay->merchantToken();?>','<?=$nicepay->get('iMid');?>');">Make Recurring</button>
17.  </form>
18.</div>
```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

Add the code in **nicepay.js** file to process recurring.

```

1.  function recProcessThreeDS(merchantToken,imid) {
2.      var recthreadsForm = document.getElementById("recthreadsForm");
3.      var recPayMethod = "04";
4.      //recurring code
5.      if( recPayMethod== "04"){
6.          //Recurring Token
7.          getRecurringToken(merchantToken,imid);
8.      }
9.      else{
10.         return;
11.      }
12.  }
13.
14.  function getRecurringToken(merchantToken,imid){
15.
16.      var ajaxUrl = "https://www.nicepay.co.id/nicepay/api/recurringToken.do";
17.      var dataObject = new Object();
18.      var iMid = imid;
19.
20.      var threeDsecureRecphp = "http://localhost/NicePay_Direct/recurringThreeDSecure.php";
21.
22.      dataObject.amt = $("#amtThreeDS").val();
23.      dataObject.referenceNo = $("#referenceNoThreeDS").val();
24.      dataObject.merchantToken = merchantToken;
25.      dataObject.iMid = iMid;
26.      dataObject.recurringToken = $("#recurringThreeDS").val();
27.
28.      $.ajax({
29.          url : ajaxUrl,
30.          type : "post",
31.          crossDomain: true,
32.          data : "jsonData=" + JSON.stringify(dataObject),
33.          dataType: "jsonp",
34.          timeout : 30000,

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

35.	success : function(data) {
36.	
37.	var get_data = eval(data);
38.	var resultCd = get_data["resultCd"];
39.	var resultMsg = get_data["resultMsg"];
40.	if(resultCd == "0000"){
41.	var onePassTokenRecurring = get_data["cardToken"];
42.	
43.	//3d secure
44.	if(onePassTokenRecurring == null    onePassTokenRecurring == ""){
45.	alert("onePassTokenRecurring failed.")
46.	return;
47.	}
48.	
49.	var targetUrl = "https://www.nicepay.co.id/nicepay/api/secureVeRequest.do?country=360" + "&callback
	Url="+threeDsecureRecphp+ "&onePassToken=" + onePassTokenRecurring;
50.	\$.featherlight({iframe: targetUrl, iframeMaxWidth: '100%', iframeWidth: 450, iframeHeight: 450});
51.	}else{
52.	alert(resultMsg);
53.	}
54.	},
55.	error : function(request,status,error){
56.	alert(status);
57.	}
58.	});
59.	}
60.	
61.	//3DSecure Result Setting Value in RecurringThreeDSecure.php
62.	function setAcInfoRecThreeDS(name,values) {
63.	var names = document.getElementById(name);
64.	names.value = values;
65.	}
66.	
67.	
68.	
69.	

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

70.
71. function recurringThreeDSSubmit(){
72.     var recthreadsForm = document.getElementById("recthreadsForm");
73.     recthreadsForm.submit();
74. }

```

#### 3.8.1.1. Request Card Token for 3DSecure

- **Token URL**

API url	<a href="https://www.nicepay.co.id/nicepay/api/recurringToken.do">https://www.nicepay.co.id/nicepay/api/recurringToken.do</a>
method	POST
Description	Request One Time Use Credit Card Transaction Token
Merchant Token	SHA256 (Merchant ID + Reference Number + Amount + Merchant Key)

Process connect to **recurringToken.do** for get token in **nicepay.js**

```

22.     dataObject.amt = $("#amtThreeDS").val();
23.     dataObject.referenceNo = $("#referenceNoThreeDS").val();
24.     dataObject.merchantToken = merchantToken;
25.     dataObject.iMid = iMid;
26.     dataObject.recurringToken = $("#recurringThreeDS").val();
27.
28.     $.ajax({
29.         url : ajaxUrl,
30.         type : "post",
31.         crossDomain: true,
32.         data : "jsonData=" + JSON.stringify(dataObject),
33.         dataType: "jsonp",
34.         timeout : 30000,
35.         success : function(data) {

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- Request Parameter for Token

Parameter	Description	Mandatory	Type	SIZE(byte)	Example Value
amt	Payment amount	√	N	12	10000
referenceNo	Merchant Order Number	√	ANS	40	OrdNo20160525000-52104
merchantToken	Merchant Token	√	AN	255	141fd2368aa80ea0e600b1b4d7a42c1e731e74a27a03521e8e28150cc00bc05b
iMid	Merchant ID	√	AN	10	BMRITEST01
recurringToken	RecurringToken	√	AN	100	d4ef98b26f917a697691807cf737251cc15ef570a01457d15211a4f06e38ae64

- Response Parameter for Token

Parameter	Description	Type	SIZE(byte)	Example Value
resultCd	result code	N	4	0000
resultMsg	result message	AN	255	SUCCESS
cardToken	one time use transaction token	AN	64	c954f03ef83a363f94fa26bef6ec4d08fa7693590a735386fcce6e2ef1caae8a
paymentType	CC Authorization type	N	1	<ul style="list-style-type: none"> <li>1: 3DS/CVV</li> <li>2: Keyin</li> </ul>



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.8.1.2. 3D Secure (Popup Page)

- **3D Secure URL**

API url	<a href="https://www.nicepay.co.id/nicepay/api/secureVeRequest.do">https://www.nicepay.co.id/nicepay/api/secureVeRequest.do</a>
method	Popup Page
Description	Popup Page to input Customer OTP

Process open popup for connect to **secureVeRequest.do** in **nicepay.js**

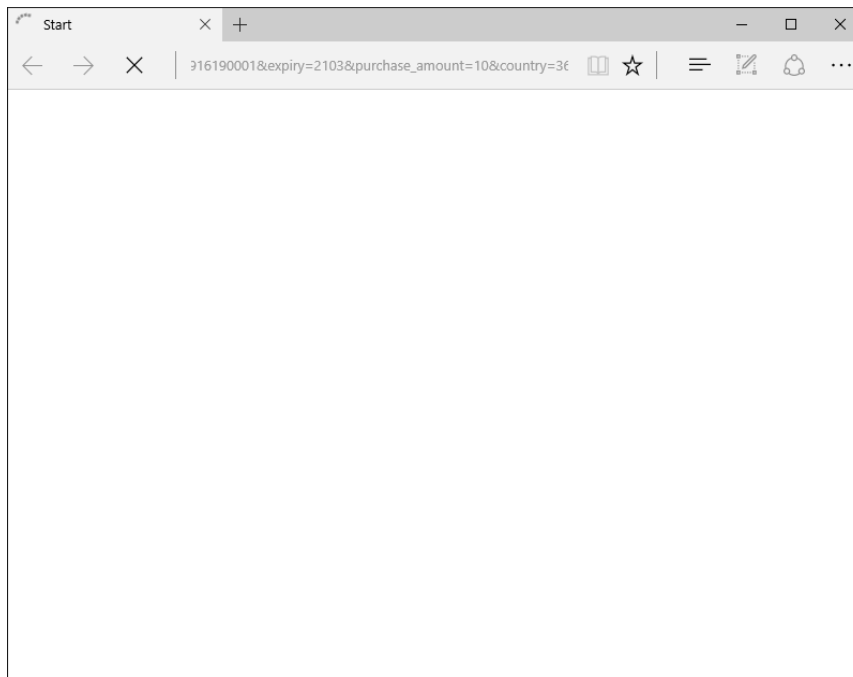
```

49. var targetUrl = "https://www.nicepay.co.id/nicepay/api/secureVeRequest.do?country=360" + "&callbackUrl="+thr
    eeDsecureRecphp+ "&onePassToken=" + onePassTokenRecurring;
50. $.featherlight({iframe: targetUrl, iframeMaxWidth: '100%', iframeWidth: 450, iframeHeight: 450});

```

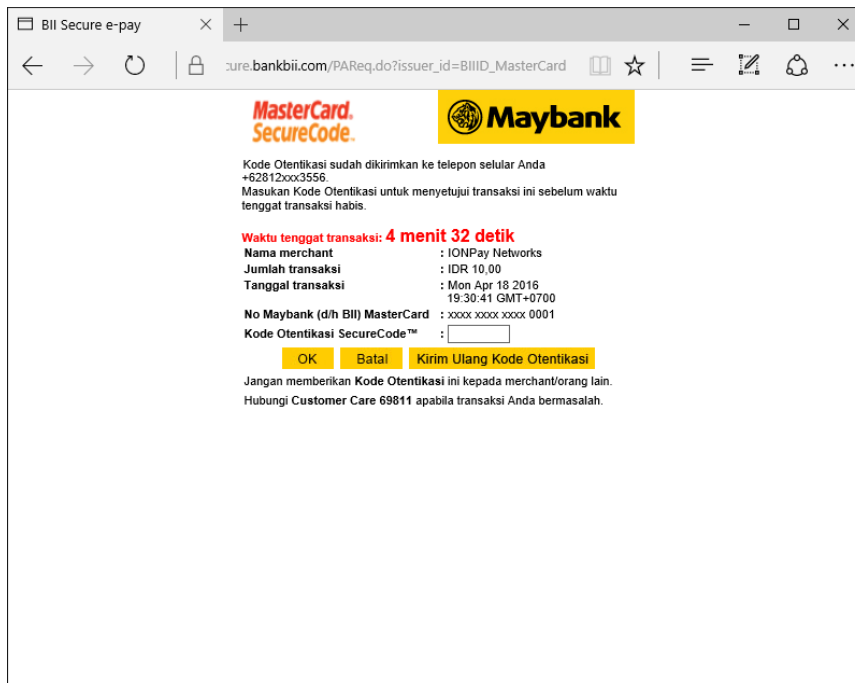
- **Open Popup Page for input Customer OTP**

1. Open popup page with below url and parameter  
<https://www.nicepay.co.id/nicepay/api/secureVeRequest.do?country=360&callbackUrl={callbackUrl}&onePassToken={onePassToken}>



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

## 2. Page redirect to Bank 3D Secure page (example : Maybank Mastercard)



## 3. Close Popup Page

## 4. NICEPay will send response parameter to callbackUrl defined in step 1

Response example : <http://merchant.com/callbackUrl?resultCd=null&resultMsg=null>

### • Request Parameter for 3D Secure

Parameter	Description	Mandatory	Type	SIZE(byte)	Example Value
country	Currency Code	√	N	3	IDR
callbackUrl	Result Callback Url	√	AN	200	"http://www.merchant.com/callback"
onePassToken	one time use transaction token	√	AN	64	9338d54573688ae18e175240b0257de48d89c6ef1c9c7b5c094dc4b eed9e435f

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- **Response Parameter for 3D Secure (Async callback)**

Parameter	Description	Type	SIZE(byte)	Example Value	Remark
resultCd	result code	N	4	0000	When Success
resultMsg	Result Message	AN	255	Success	When Success
referenceNo	Merchant Order No	ANS	40	OrdNo2017012430167	When Success

### 3.8.1.3. NICEPay Payment Recurring

- **Payment URL**

API url	<a href="https://www.nicepay.co.id/nicepay/api/recurringTrans.do">https://www.nicepay.co.id/nicepay/api/recurringTrans.do</a>
method	<b>POST</b>
Description	CreditCard Recurring payment API
Merchant Token	SHA256 (Merchant ID + Reference Number + Amount + Merchant Key)

- **Setting Payment Recurring Parameter**

Add the code in **charge.php** file to process recurring.

```

1. } elseif( isset($_POST['payMethod']) && $_POST['payMethod'] == '04' &&
2.     isset($_POST['recurringThreeDS']) && $_POST['recurringThreeDS'] &&
3.     isset($_POST['cvvThreeDS']) && $_POST['cvvThreeDS'] ) {
4.
5.     // Populate Mandatory parameters to send
6.     $nicepay->set('payMethod', '01');
7.     $nicepay->set('currency', 'IDR');
8.     // Total gross amount
9.     $nicepay->set('amt', 100);
10.    // Invoice Number or Referenc Number Generated by merchant
11.    $nicepay->set('referenceNo', generateReference());
12.    // Transaction description
13.    $nicepay->set('description', 'Payment of Invoice No '.$nicepay->get('referenceNo'));
14.
15.    // Customer name
16.    $nicepay->set('billingNm', 'John Doe');
17.    // Customer phone number

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

18. $nicepay->set('billingPhone', '02112345678');
19. // Customer email
20. $nicepay->set('billingEmail', 'john@example.com');
21. $nicepay->set('billingAddr', 'Jl. Jend. Sudirman No. 28');
22. $nicepay->set('billingCity', 'Jakarta Pusat');
23. $nicepay->set('billingState', 'DKI Jakarta');
24. $nicepay->set('billingPostCd', '10210');
25. $nicepay->set('billingCountry', 'Indonesia');
26.
27. // Delivery name
28. $nicepay->set('deliveryNm', 'John Doe');
29. $nicepay->set('deliveryPhone', '02112345678');
30. $nicepay->set('deliveryEmail', 'john@example.com');
31. $nicepay->set('deliveryAddr', 'Jl. Jend. Sudirman No. 28');
32. $nicepay->set('deliveryCity', 'Jakarta Pusat');
33. $nicepay->set('deliveryState', 'DKI Jakarta');
34. $nicepay->set('deliveryPostCd', '10210');
35. $nicepay->set('deliveryCountry', 'Indonesia');
36. $nicepay->set('recurringToken', $_POST['recurringThreeDS']);
37. $nicepay->set('cardCvv', $_POST['cvvThreeDS']);
38.
39. // Send Data
40. $response = $nicepay->requestRecurring();
41.
42. // Response from NICEPAY
43. // var_dump($response);
44. // exit();
45. if (isset($response->resultCd) && $response->resultCd == "0000") {
46.     //print_r($response);exit;
47.     echo "<pre>";
48.     echo "resultCd    : $response->resultCd\n";
49.     echo "resultMsg    : $response->resultMsg\n";
50.     echo "tXid         : $response->tXid\n";
51.     echo "callbackUrl   : $response->callbackUrl\n"; // YYMMDD
52.     echo "amount      : $response->amount\n"; // HH24MISS

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

53.     echo "transDt      : $response->transDt\n";
54.     echo "transTm      : $response->transTm\n";
55.     echo "payMethod     : $response->payMethod\n";
56.     echo "description    : $response->description\n";
57.     echo "referenceNo    : $response->referenceNo\n";
58.     echo "authNo        : $response->authNo";
59.     echo "</pre>";
60. } elseif(isset($response->resultCd)) {
61.     // API data not correct or error happened in bank system, you can redirect back to checkout page or echo err
    or message.
62.     // In this sample, we echo error message
63.     // header("Location: ".$http://example.com/checkout.php");
64.     echo "<pre>";
65.     echo "result code     : ".$response->resultCd."\n";
66.     echo "result message  : ".$response->resultMsg."\n";
67.     // echo "requestUrl    : ".$response->data->requestURL."\n";
68.     echo "</pre>";
69. } else {
70.     // Timeout, you can redirect back to checkout page or echo error message.
71.     // In this sample, we echo error message
72.     // header("Location: ".$http://example.com/checkout.php");
73.     echo "<pre>Connection Timeout. Please Try again.</pre>";
74. }
75. } else {

```

- Request Parameter for Payment

Parameter	Description	Mandatory	Type	SIZE(byte)	Example Value
iMid	Merchant Id	√	AN	10	BMRITEST01
payMethod	Payment Metohd	√	AN	2	• 01: Credit Card
currency	currency	√	N	3	IDR
amt	Goods Amount	√	N	12	1000

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

instmntType	Installment Type	√	N	2	<ul style="list-style-type: none"> <li>1: Customer charge</li> <li>2: Merchant Charge</li> </ul>
instmntMon	Installment month	√	N	2	1
referenceNo	Merchant Order No	√	ANS	40	MerchantReferenceNumber001
goodsNm	Goods Name	√	AN	100	Merchant Goods 1
billingNm	Buyer name	√	A	30	Buyer Name
billingPhone	Buyer Phone Number	√	N	15	02112345678
billingEmail	Buyer email	√	AN	40	buyer@merchant.com
billingAddr	Buyer address		AN	100	Billing Address
billingCity	Buyer city	√	A	50	Jakarta
billingState	Billing state	√	A	50	Jakarta
billingPostCd	Billing Post number	√	N	10	12345
billingCountry	Billing Country	√	A	10	Indonesia
deliveryNm	delivery name		A	30	Buyer Name
deliveryPhone	delivery phone number		N	15	02112345678
deliveryAddr	delivery address		AN	100	Billing Address
deliveryCity	delivery city		A	50	Jakarta
deliveryState	delivery state		A	50	Jakarta
deliveryPostCd	delivery post number		N	10	12345
deliveryCountry	delivery country		A	10	Indonesia
callBackUrl	payment result forward url (on browser)	√	AN	255	"http://www.merchant.com/call back"
dbProcessUrl	Payment notification url	√	AN	255	"http://www.merchant.com/not

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

	(server side)				ification"
vat	vat		N	12	0
fee	service fee		N	12	0
notaxAmt	tax free amount		N	12	0
description	Transaction description	√	AN	100	Description
merchantToken	merchantToken	√	AN	255	6cfccfc0046773c1b589d8e98f8b 596c284f3c70a4ecf86eba14c18 944b74bcd
reqDt	Request date (YYYYMMDD)		N	8	20160301
reqTm	request time (HH24MISS)		N	6	135959
reqDomain	request domain		AN	100	merchant.com
reqServerIP	request server IP		AN	15	127.0.0.1
reqClientVer	request client version		AN	50	1.0
userIP	user IP (customer)	√	AN	15	127.0.0.1
userSessionID	user session ID		AN	100	userSessionID
userAgent	user agent information		AN	100	Mozilla
userLanguage	user language		A	2	en-US
cartData	cart data	√	AN	4000	{JSON_Format}
cardCvv	card CVV	√	N	3	188
recurringToken	Recurring transaction token	√	AN	64	9338d54573688ae18e175240b0 257de48d89c6ef1c9c7b5c094dc 4beed9e435f

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- **Response Parameter for Payment**

Parameter	Description	Type	SIZE(byte)	Example Value	Remark
resultCd	result code	N	4	0000	
resultMsg	result message	AN	255	SUCCESS	
tXid	Transaction ID	AN	30	BMRITEST010220160729102702529 1	When success
referenceNo	order number	ANS	40	OrdNo20160525000-52104	When success
authNo	Authorization number	N	10	123456	When success
payMethod	Payment Method	N	2	• 01: Credit Card	When success
amount	Transaction amount	N	12	1000	When success
transDt	registration date	N	8	20160303	When success
transTm	registration time	N	6	135959	When success
description	Transaction Description	AN	100	Payment of OrdNo20160525000- 52104	When success
callbackUrl	payment result forward url (on browser)	AN	100	"http://www.merchant.com/callback"	When success

### 3.8.2. Key In Recurring

Add the code in **checkout.php** file to process recurring.

```
1. <button type="button" class="btn btn-selector" id="reckeyin-btn">Recurring Key In</button>
```



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

1. <div class="form" id="reckeyin-form">
2.   <form id="reckeyinForm" action="charge.php" method="post">
3.     <h2 class="form-title">Recurring Key In</h2>
4.     <h4>Recurring Token</h4>
5.     <hr>
6.     <h3 style="padding-left:13%">
7.       <input type="text" id="recurringKeyIn" name="recurringKeyIn" placeholder="Fill Recurring Token" value="
" required />
8.     </h3>
9.     <hr>
10.    <input type="hidden" name="payMethod" value="03">
11.    <button type="submit" class="btn-submit" id="reckeyin">Make Recurring</button>
12.  </form>
13. </div>

```

#### 3.8.2.1. NICEPay Payment Recurring

- **Payment URL**

API url	<a href="https://www.nicepay.co.id/nicepay/api/recurringTrans.do">https://www.nicepay.co.id/nicepay/api/recurringTrans.do</a>
method	POST
Description	CreditCard Recurring payment API
Merchant Token	SHA256 (Merchant ID + Reference Number + Amount + Merchant Key)

- **Setting Payment Recurring Parameter**

```

1. } elseif( isset($_POST['payMethod']) && $_POST['payMethod'] == '03' &&
2.   isset($_POST['recurringKeyIn']) && $_POST['recurringKeyIn']) {
3.
4.   $recurring = $_POST['recurringKeyIn'];
5.
6.   // Populate Mandatory parameters to send
7.   $nicepay->set('payMethod', '01');
8.   $nicepay->set('currency', 'IDR');
9.   // Total gross amount
10.  $nicepay->set('amt', 100);
11.  // Invoice Number or Referenc Number Generated by merchant
12.  $nicepay->set('referenceNo', generateReference());

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

13. // Transaction description
14. $nicepay->set('description', 'Payment of Invoice No '.$nicepay->get('referenceNo'));
15.
16. // Customer name
17. $nicepay->set('billingNm', 'John Doe');
18. // Customer phone number
19. $nicepay->set('billingPhone', '02112345678');
20. // Customer email
21. $nicepay->set('billingEmail', 'john@example.com');
22. $nicepay->set('billingAddr', 'Jl. Jend. Sudirman No. 28');
23. $nicepay->set('billingCity', 'Jakarta Pusat');
24. $nicepay->set('billingState', 'DKI Jakarta');
25. $nicepay->set('billingPostCd', '10210');
26. $nicepay->set('billingCountry', 'Indonesia');
27.
28. // Delivery name
29. $nicepay->set('deliveryNm', 'John Doe');
30. $nicepay->set('deliveryPhone', '02112345678');
31. $nicepay->set('deliveryEmail', 'john@example.com');
32. $nicepay->set('deliveryAddr', 'Jl. Jend. Sudirman No. 28');
33. $nicepay->set('deliveryCity', 'Jakarta Pusat');
34. $nicepay->set('deliveryState', 'DKI Jakarta');
35. $nicepay->set('deliveryPostCd', '10210');
36. $nicepay->set('deliveryCountry', 'Indonesia');
37. $nicepay->set('recurringToken', $recurring);
38. $nicepay->set('cardCvv', '');
39.
40. // Send Data
41. $response = $nicepay->requestRecurring();
42.
43. // Response from NICEPAY
44. // var_dump($response);
45. // exit();
46. if (isset($response->resultCd) && $response->resultCd == "0000") {
47.     echo "<pre>";

```

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

```

48.     echo "resultCd    : $response->resultCd\n";
49.     echo "resultMsg   : $response->resultMsg\n";
50.     echo "tXid       : $response->tXid\n";
51.     echo "callbackUrl  : $response->callbackUrl\n"; // YYMMDD
52.     echo "amount      : $response->amount\n"; // HH24MISS
53.     echo "transDt     : $response->transDt\n";
54.     echo "transTm     : $response->transTm\n";
55.     echo "payMethod    : $response->payMethod\n";
56.     echo "description  : $response->description\n";
57.     echo "referenceNo  : $response->referenceNo\n";
58.     echo "authNo      : $response->authNo";
59.     echo "</pre>";
60. } elseif(isset($response->resultCd)) {
61.     // API data not correct or error happened in bank system, you can redirect back to checkout page or echo err
    or message.
62.     // In this sample, we echo error message
63.     // header("Location: "."http://example.com/checkout.php");
64.     echo "<pre>";
65.     echo "result code   : ".$response->resultCd."\n";
66.     echo "result message : ".$response->resultMsg."\n";
67.     // echo "requestUrl  : ".$response->data->requestURL."\n";
68.     echo "</pre>";
69. } else {
70.     // Timeout, you can redirect back to checkout page or echo error message.
71.     // In this sample, we echo error message
72.     // header("Location: "."http://example.com/checkout.php");
73.     echo "<pre>Connection Timeout. Please Try again.</pre>";
74. }
75. }

```

- Request Parameter for Payment

Parameter	Description	Mandatory	Type	SIZE(byte)	Example Value
iMid	Merchant Id	√	AN	10	BRITEST01

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

payMethod	Payment Method	√	AN	2	• 01: Credit Card
currency	currency	√	N	3	IDR
amt	Goods Amount	√	N	12	1000
instmntType	Installment Type	√	N	2	• 1: Customer charge • 2: Merchant Charge
instmntMon	Installment month	√	N	2	1
referenceNo	Merchant Order No	√	ANS	40	MerchantReferenceNumber001
goodsNm	Goods Name	√	AN	100	Merchant Goods 1
billingNm	Buyer name	√	A	30	Buyer Name
billingPhone	Buyer Phone Number	√	N	15	02112345678
billingEmail	Buyer email	√	AN	40	buyer@merchant.com
billingAddr	Buyer address		AN	100	Billing Address
billingCity	Buyer city	√	A	50	Jakarta
billingState	Billing state	√	A	50	Jakarta
billingPostCd	Billing Post number	√	N	10	12345
billingCountry	Billing Country	√	A	10	Indonesia
deliveryNm	delivery name		A	30	Buyer Name
deliveryPhone	delivery phone number		N	15	02112345678
deliveryAddr	delivery address		AN	100	Billing Address
deliveryCity	delivery city		A	50	Jakarta
deliveryState	delivery state		A	50	Jakarta
deliveryPostCd	delivery post number		N	10	12345
deliveryCountry	delivery country		A	10	Indonesia

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

callBackUrl	payment result forward url (on browser)	v	AN	255	"http://www.merchant.com/callback"
dbProcessUrl	Payment notification url (server side)	v	AN	255	"http://www.merchant.com/notification"
vat	vat		N	12	0
fee	service fee		N	12	0
notaxAmt	tax free amount		N	12	0
description	Transaction description	v	AN	100	Description
merchantToken	merchantToken	v	AN	255	6cfccfc0046773c1b589d8e98f8b596c284f3c70a4ecf86eba14c18944b74bcd
reqDt	Request date (YYYYMMDD)		N	8	20160301
reqTm	request time (HH24MISS)		N	6	135959
reqDomain	request domain		AN	100	merchant.com
reqServerIP	request server IP		AN	15	127.0.0.1
reqClientVer	request client version		AN	50	1.0
userIP	user IP (customer)	v	AN	15	127.0.0.1
userSessionID	user session ID		AN	100	userSessionID
userAgent	user agent information		AN	100	Mozilla
userLanguage	user language		A	2	en-US
cartData	cart data	v	AN	4000	{JSON_Format}

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

cardCvv	card CVV		N	3	188
recurringToken	Recurring transaction token	v	AN	64	9338d54573688ae18e175240b0 257de48d89c6ef1c9c7b5c094dc 4beed9e435f

• Response Parameter for Payment

Parameter	Description	Type	SIZE(byte)	Example Value	Remark
resultCd	result code	N	4	0000	
resultMsg	result message	AN	255	SUCCESS	
tXid	Transaction ID	AN	30	BMRITEST010220160729102702529 1	When success
referenceNo	order number	ANS	40	OrdNo20160525000-52104	When success
authNo	Authorization number	N	10	123456	When success
payMethod	Payment Method	N	2	• 01: Credit Card	When success
amount	Transaction amount	N	12	1000	When success
transDt	registration date	N	8	20160303	When success
transTm	registration time	N	6	135959	When success
description	Transaction Description	AN	100	Payment of OrdNo20160525000-52104	When success
callbackUrl	payment result forward url (on browser)	AN	100	"http://www.merchant.com/callback"	When success

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

### 3.9. NICEPay Reference Code

- Field Type

Value	Description
AN	Alphanumeric
N	Numeric
ANS	Alphanumeric Special Characters

- Installment Type

Value	Description
1	Customer charge
2	Merchant charge

- Payment Method

Value	Description
01	Credit Card
02	Virtual Account

- Payment Status Code

Value	Description
<b>Credit Card</b>	
0	Success
1	Failed
2	Void/Refund
9	Initialization
<b>Virtual Account</b>	
0	Paid
3	Unpaid
4	Expired

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

- **Bank Code (Virtual Account)**

Value	Description
BMRI	Bank Mandiri
IBBK	Bank International Indonesia Maybank
BBBA	Bank Permata
CENA	Bank Central Asia
BNIN	Bank Negara Indonesia 46
BNIA	Bank CIMB Niaga
HNBN	Bank KEB Hana Indonesia
BRIN	Bank Rakyat Indonesia

- **Error Code**

Value	Description
<b>Order</b>	
9001	order registration failed
9002	database connection error
9003	the order is invalid
9004	error on inquiry of order confirmation
9005	error on order inquiry
9006	transaction number generated error
9007	please input amount
9008	invalid request amount
9009	duplicate order registration number
9010	merchantToken error
9011	unregistered merchant
9012	no payment method
9013	no currency
9014	no order number
9015	no goods name
9016	no buyer name
9017	no buyer phone number
9018	no buyer e-mail
9019	no callbackUrl



NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

9020	no dbProcessUrl
9021	failed in inquiring the criterion information (BO_MER_MGNT ORD_NO_DUP_CHK_FLG)
9022	This is not the Cart Data format JSON.
9023	Cart Data amount is different from the total amount.
9024	Failed to load the user's IP value.
9025	Need to enter buyers city.
9026	Need to enter buyers residence.
9027	Need to enter buyers address area code.
9028	Need to enter buyers residence country.
9029	Virtual account is not able to select the number of installment months.
<b>Card</b>	
9101	failed in registering card ledger
9102	bank connection error
9103	error in inquiring card ledger
9104	database connection error
9105	TB_TRANS_HISTORY registration error
9106	FRAUD error
9107	transaction number generated error
9108	error of check for merchant ID, payment method
9109	the length of order number is too long(max: 40)
9110	invalid card number, expiration date
9111	no card number, expiration date
9112	invalid card number
9113	MERCHANT_INFO query error
9114	MERCHANT_CARDINFO query error
9115	the payment amount is too small
9116	duplicate transaction number
9117	VISA 3D authorization failure(invalid ECI)
9118	instalment type error
9119	MERCHANT_BANK_TID_MANAGEMENT query error
9120	B_MID,B_TID query error
9121	MERCHANT_PAYMETHOD query error
9122	failed in inquiring settlement interval

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

9123	TB_BO_MER_APP_LIMIT query error
9124	Less than the minimum amount approved by the bank.
9125	Do not allow the approval from Bank BNI.
9126	It has already been approved.
9127	Duplicate txid.
<b>Virtual Account</b>	
9201	error on registering virtual account ledger
9202	failed in granting number on virtual account
9203	no list of virtual account number to grant number on
9204	database connection error
9205	error in validity verification on virtual account
9206	transaction number generated error
9207	the length of order number is too long(max: 40)
9208	error in non-usage of criterion information
9209	the payment amount is too small
9210	error in expiration date of deposit, expiration time for deposit, and inclusion of letters
9211	expiration date and time for deposit length is not valid
9212	error of check for merchant ID, payment method
9213	TB_TRANS_HISTORY registration error
9214	failed in inquiring settlement interval
9215	Order number redundancy check (TB_MOID_VERIFY) updates error.
9216	Virtual account failure ledger (TB_VACCT_FAIL) registration error.
9217	Order number redundancy check (TB_MOID_VERIFY) delete error.
9218	Virtual account ledger inquiry failure.
<b>Cancel</b>	
9301	This type of cancellation is not valid.
9302	Cancel ledger registration error.
9303	Cards ledger update error.
9304	TB_TRANS_HISTORY update error.
9305	Ledger card registration error.
9306	Ledger partial cancel registration error.
9307	Cards query error.
9308	database connection error

NICEPay System Development			
SYSTEM	Merchant integration	Write Date	2017.01.30
TASK	Document	Version	1.16.0

9309	bank connection error
9310	TB_TRANS HISTORY registration error.
9311	transaction number generated error
9312	No cancellation amount or cancellation amount includes the letter.
9313	Partial cancellation is only possible mandiri.
9314	Can not cancel your request transaction number.
9315	Cancel Ledger duplicate registration error.
9316	Bank code duplication errors.
9317	Bank Mandiri is available once a partial canceled.
9318	virtual account can not request to cancel.
9319	The amount you entered is larger than the amount you want to cancel.
9320	Can not cancel the entire data already partially canceled.
9321	Please fill in the requested amount greater than zero.
9322	Merchant information(CARD_BIN) query fail
9323	Merchant information(Merchant_INFO) query fail.
9324	MERCHANT_CARDINFO query error
9325	B_MID,B_TID query error
9326	It can not be canceled after purchase.
9327	It can not be partial cancellation before purchase.
9328	The information can not be canceled (Void Risk Check).
9329	The information can not be partial cancellation (Void Risk Check).
9330	Virtual account deposit has been completed can not be canceled.