

DOKU MERCHANT-HOSTED API DOCUMENTATION

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1.0 Introduction

DOKU enables you to accept a wide range of different payment methods. Each payment method has a unique approach to integration. The payment methods can be grouped into five distinct categories:

- ✓ Credit Card
- ✓ DOKU wallet
- ✓ Bank transfer (Virtual Account)
- ✓ Convenience store
- ✓ Internet banking

For more information about the payment methods, please see Appendix 6.1.

The DOKU API supports two methods of payment processing – namely, merchant-hosted and DOKU-hosted. These two services can be tailored to accommodate the separate business needs of merchants from those having advanced IT personnel, to merchants who do not even have a website. The DOKU-hosted API is detailed in a *separate document*. See below for features of each service:

1. Merchant Hosted

The payment page and data input is native to the merchant's website, without having to redirect to a DOKU-hosted page. Having the payment form on the merchant page does not compromise the security of the cardholder however, as DOKU is PCI (Level 1) certified, and none of the cardholder data will actually be stored on the merchant's server.

Merchant profile: Tech-savvy merchants who want a seamless transaction process and maintain full control of the payment page branding and experience. IT expertise is required to modify the payment page and use client-side encryption to encrypt card data.

2. DOKU Hosted

Instant payment services where the payment input form is located within the DOKU page. The selection of payment methods can be done on the merchant or DOKU page. With this service, the customer will be redirected to a DOKU-hosted page upon checkout to complete the payment.

Merchant profile: Merchants who prefer to let DOKU manage the entire data security management and do not require extensive payment page customization.

1.1 Merchant Hosted Integration

The next section gives an example of how you can integrate with DOKU for the various payment methods. Once you have confirmed to become a DOKU merchant through our Sales process, our integration team to proceed to the technical integration stage will contact you. All new merchants will receive a *shared key* and a *merchant code*. Take note of this information, as you will need to enter them into the API script during integration. The response codes are categorized by payment method, and can be found in the appendix.

The following instructions are divided into standalone APIs for each payment method. Therefore, there may be some repetition. When you do your actual integration, some of the steps may be skipped when adding on different payment methods and features.



2.0 Credit Card

By default all credit card payments processed by DOKU will undergo 3D secure. Non-3D secure payments are available, however would require further assessment by DOKU and the bank.

Credit card integration comprises 3 easy steps:

- 1. Insert JavaScript
- 2. Initiate JavaScript parameters
- 3. Create payment form

To get started on your integration, follow these steps one by one by pasting the template scripts onto your website. The DOKU payment form is saved in HTML format; the template script acts as a placeholder for where the payment form will appear on your page. Prepare your HTML pages as seen in the template, and customize accordingly.

1. Insert the doku-1.2.js, fancybox.js and fancybox.css onto your website's payment page, along with your custom style. See example:

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/fancybox/2.1.5/jquery.fancybox.pack.js"></script>
<link href="https://cdnjs.cloudflare.com/ajax/libs/fancybox/2.1.5/jquery.fancybox.min.css"
rel="stylesheet">
<script src="https://staging.doku.com/doku-js/assets/js/doku-1.2.js"></script>
<link href="https://staging.doku.com/doku-js/assets/css/doku.css" rel="stylesheet">
```

For production environment, please change URL 'https://staging.doku.com/...' to https://pay.doku.com/...'

2. Initialize the payment form by creating the words using **doku_library**

...and adding the following example script on to your webpage:

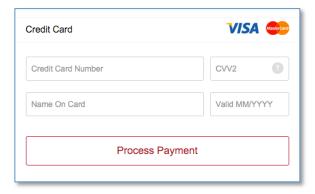


```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_chain_merchanel = '15'; // '15' = credit card
    data.req_payment_channel = '-15'; // '15' = credit card
    data.req_transaction_id = '-2php echo $invoice ?>';
    data.req_currency = '-2php echo $currency ?>';
    data.req_amount = '-2php echo $amount ?>';
    data.req_words = '-2php echo $words ?>';
    data.req_form_type = 'full';

getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

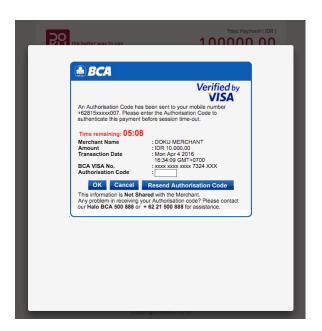
3. Insert the template script where you wish the payment form to appear on your website.

When completed correctly, the payment form should appear as seen below, and you may start receiving payments immediately. The DOKU script only provides the four fields to be filled in by the customer. All other parts of the payment page, including the logo and 'Process Payment' button are customizable to your needs for a completely white label payment flow.



Once your customer has input their card data and clicked the "Process Payment" button, the data will be processed by DOKU. The DOKU server then responds with the card ID, and the browser will post the data to the merchant server, according to the URL set in your action form.





Due to potential fraud, Indonesia is a 3D Secure market, where customer authentication is required to proceed with the transaction. The form of authentication differs form each bank, but typically it involves a One-Time Password sent via SMS. Not all issuing banks in Indonesia have implemented 3D secure, but the majority of them have. If you would like for the 3D secure process to be lifted, please contact DOKU for more information. Further assessment by DOKU and the acquiring bank is required to grant a non-3D secure Merchant ID.

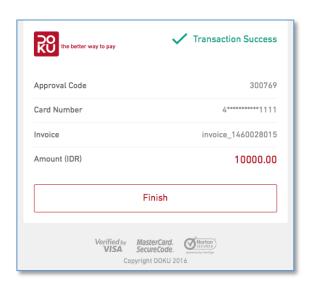
You can retrieve the posted data from the form within your server. Then send the payment request to the DOKU server to be processed using our library. See example:



```
require_once('../Doku.php');
Doku_Initiate::$sharedKey = '<Put Your Shared Key Here>';
Doku_Initiate::$mallId = '<Put Your Merchant Code Here>';
$token = $_POST['doku-token'];
$pairing_code = $_POST['doku-pairing-code'];
$invoice_no = $_POST['doku-invoice-no'];
$params = array(
   'amount' => '10000.00',
   'invoice' => $invoice_no,
     'currency' => '360',
'pairing_code' => $pairing_code,
      'token' => $token
);
$words = Doku_Library::doCreateWords($params);
$basket[] = array(
   'name' => 'sayur'
      'amount' => '10000.00',
      'quantity' => '1',
'subtotal' => '10000.00'
);
$customer = array(
   'name' => 'TEST NAME',
      'data phone' => '08121111111',
      'data email' => 'test@test.com'
      'data_address' => 'bojong gede #1 08/01'
);
      $dataPayment = array(
            'req_mall_id' => Doku_Initiate::$mallId,
            'req chain_merchant' => 'NA',
           'req_chain_merchant' => 'NA',
'req_amount' => '10000.00',
'req_words' => $words,
'req_purchase_amount' => '10000.00',
'req_trans_id_merchant' => $invoice_no,
'req_request_date_time' => date('YmdHis'),
'req_currency' => '360',
'req_purchase_currency' => '360',
'req_session_id' => shal(date('YmdHis'))
            'req_session_id' => shal(date('YmdHis')),
           'req_name' => $customer['name'],
'req_payment_channel' => 15,
           'req_basket' => $basket,
'req_email' => $customer['data_email'],
            'req_mobile_phone' => $customer['data_phone'],
           'req_token_id' => $token
     );
      $result = Doku_Api::doPayment($dataPayment);
      if($result->res_response_code == '0000'){
           echo 'SUCCESS'; //success transaction
      }else{
           echo 'FAILED'; //failed transaction
```

After this is done, you may display the result on your browser for the customer to see. This result page is completely customizable according to the design that you prefer.





then, you can retrieve the JSON data like this. With this JSON data, you can acknowledge for updating the payment status of transaction.

 ${\sf MIPPayment.processRequest\ ACKNOWLEDGE:}$

```
{"res_approval_code":"681905",
"res_edu_status":"NA",
"res_trans_id_merchant": "124",
"res_amount": "29575.04",
"res_payment_date_time": "20160812145059",
"res_verify_score":"-1",
"res_verify_id":"",
"res_verify_status":"NA",
"res_words": "7c3d05dcad40ec7b2d41d2f75e2a896ff3e898d9",
"res_response_msg": "SUCCESS",
"res_mcn":"548117*****6802",
"res_mid":"000002187008751",
"res_bank": "PT. BANK CIMB NIAGA TBK.",
"res_response_code":"0000",
"res_session_id":"b2c981931fcff3c3f6db89f1a7c33656b10b11a6",
"res_payment_channel":"15"}
```



2.1 Advanced Features

2.1.1 BIN Filtering

BIN filtering is a feature that can be used to filter Credit Cards issued by certain banks for the purpose of doing promotions. Each issuer has a unique BIN number, which is made up of the first 6 digits in the Credit Card number. The conditions you set in the filter will specify which BIN numbers that are allowed to make payments on your site. When a card number that has been blocked by the BIN filter is entered, the DOKU server will not be able to process the payment.

In order to apply the BIN filter, you must insert the following conditions into a prepayment request. The prepayment request must be sent before the actual payment request. You can add several conditions by separating with a comma. See example:

Afterwards, you may insert your original payment request form. Refer to the Appendix for prepayment response codes.



2.1.2 2-Click Payment [Tokenization]

2-click payment enables the customer to make a purchase without having to input card details or personal information, apart from the CVV number. This process is typically used by merchants that have repeat customers who will benefit from a faster checkout by reducing the number of fields the customer needs to fill in. If the card issuer requires 3D secure verification process, the customer will still have to complete this to make a purchase. In order for this process to work, the customer enters all of the card information only during the very first time they make a purchase. DOKU stores this data in a secure form and gives the merchant a token, which is paired to the customer's login credentials on the merchant website. After this process, has been completed, each time they make a payment from hereon out, they only have to input the CVV.

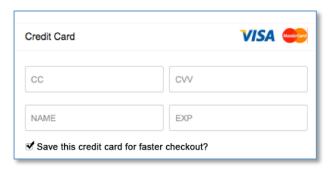
Follow these steps to apply 2-click payment to your credit card payment process:

- 1. Insert the additional script to your server under the payment data.
- 2. Generate and save the token during the first payment.
- 3. For subsequent payments, retrieve the token from your database and send it to the DOKU server.
- 1. To initialize 2-click payment, follow the same steps as general credit card processing, but add the additional parameter "data.reg_customer_id" to your javascript under the payment data. The "data.reg_customer_id" parameter may represent the customer ID that you assign to each customer within your database. This ID will be paired with the token that DOKU gives in the status response.

```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_payment_channel = '15';
    data.req_transaction_id = '<?php echo $invoice ?>';
    data.req_currency = '<?php echo $currency ?>';
    data.req_amount = '<?php echo $amount ?>';
    data.req_words = '<?php echo $words ?>';
    data.req_form_type = 'full';
    data.req_customer_id = '12124';
    getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

The javascript with the additional parameter will generate the following payment form, which enables the customer to save their credit card, for faster payment. When a transaction is sent as a 2-Click payment to DOKU, in addition to the 4 fields for credit card data, DOKU will also display on the merchant website a tick box asking the customer's approval to save the card.





2. When the customer has filled in their card details and clicked "Process Payment", the data is sent to the DOKU server. Because the 'data.reg_customer_id' parameter has been added to the payment form, the DOKU server will create a token to pair with the Customer ID. If the customer checks the box next to "Save this Credit Card for faster checkout?" the payment response to the Merchant server will include this token. See example response:

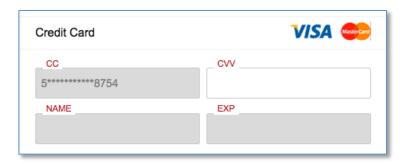
When the payment response is received, store it in your database for the next payment using the 2-Click service.

3. After a successful first payment, (assuming that the merchant has been correctly storing the Token data) only a slight modification needs to be made to the javascript. Add the extra parameter 'data.reg_token_payment' as seen below, by using the token value that was obtained during the first payment:



```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_payment_channel = '15';
    data.req_transaction_id = '<?php echo $invoice ?>';
    data.req_currency = '<?php echo $currency ?>';
    data.req_amount = '<?php echo $amount ?>';
    data.req_mount = '<?php echo $words ?>';
    data.req_form_type = 'full';
    data.req_customer_id = '12124';
    data.req_token_payment = 'Obealclc653dbc8ele6c24155c629fe237325a06';
    getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

The above script will generate the following payment form:



As you can see from the screenshot above, the customer no longer needs to fill out the credit card data apart from the CVV number. When the customer clicks the "Process Payment" button, it will follow the same process as regular card payments.

2.1.3 1-Click Payment [Recurring]

Using the same principles as 2-Click Payment, 1-Click payment takes it a step further and allows the customer to make a purchase with a single click on the website. This means that they can skip the process of inputting their card details, personal information, CVV number and 3D secure. The customer will have to enter the card details and complete the 3D secure verification process only during the first time they make a purchase. By eliminating the extra steps, you are able to create a more seamless and easy checkout process, which may lead to a lower drop-off rate. However, please note that this is **subject to DOKU's** and the bank's approval due to an increase in fraud risk. Please contact DOKU if you are interested to implement the 1-Click Payment feature.

Follow these steps to apply 1-click payment to your credit card payment process:

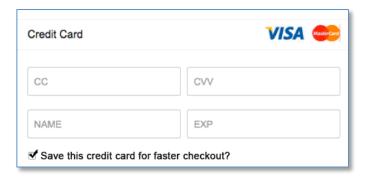
- 1. Insert the additional script to your server under the payment data.
- 2. Generate and save the token during the first payment.
- 3. For subsequent payments, retrieve the token from your database and send it to the DOKU server.
- 4. Change method of payment in the payment request form.



1. To initialize 1-click payment, follow the same steps as general credit card processing, but add the additional parameter "data.reg_customer_id" to your javascript under the payment data. The "data.reg_customer_id" parameter may represent the customer ID that you assign to each customer within your database. This ID will be paired with the token that DOKU gives in the status response.

```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_payment_channel = '15';
    data.req_transaction_id = '<?php echo $invoice ?>';
    data.req_currency = '<?php echo $currency ?>';
    data.req_amount = '<?php echo $amount ?>';
    data.req_words = '<?php echo $words ?>';
    data.req_form_type = 'full';
    data.req_customer_id = '12124';
    getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

The javascript with the additional parameter will generate the following payment form, which enables the customer to save their credit card.



2. When the customer has filled in their card details and clicked "Process Payment", the data is sent to the DOKU server. Because the 'data.reg_customer_id' parameter has been added to the payment form, the DOKU server will create a token to pair with the Customer ID. If the customer checks the box next to "Save this credit card for faster checkout?", the payment response to the Merchant server will include this token. See example response:



```
"res_approval_code": "844647",
   "res_trans_id_merchant":"1706221359",
"res_amount":"30000.00",
   "res_payment_date_time":"20160319114638",
"res_verify_score":"-1",
   "res_verify_id":""
   res_verity_id: ,
"res_verify_status":"NA",
"res_words":"7553a51a091775a2462eb9150c7135f4a8d58ff161db022ca42e0ef65666ebf0",
    "res response_msg": "SUCCESS",
   "res mcn": "4*********1111"
   "res_mid":"000100013000195
    "res_bank":"JPMORGAN CHASE BANK",
   "res_response_code":"0000"
    "res_session_id": "4cf212f141a1d7fe672db93db75cc069,PRODUCTION",
   "res payment channel": "15",
   "res_bundle_token":"{"res_token_payment":"Obea1c1c653dbc8e1e6c24155c629fe237325a06",
                                             res_token_msg":"SUCCESS",
                                            "res_token_code":"0000"
}
```

When the payment response is received, store it in your database for the next payment using the 1-Click service.

3. After a successful first payment, (assuming that the merchant has been correctly storing the Token data) only a slight modification needs to be made to the javascript. Add the extra parameter 'data.reg_token_payment' as seen below, by using the token value that was obtained during the first payment:

```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_payment_channel = '15';
    data.req_transaction_id = '<?php echo $invoice ?>';
    data.req_currency = '<?php echo $currency ?>';
    data.req_amount = '<?php echo $amount ?>';
    data.req_words = '<?php echo $words ?>';
    data.req_form_type = 'full';
    data.req_customer_id = '12124';
    data.req_token_payment = 'Obealclc653dbc8ele6c24155c629fe237325a06';
    getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

The above script will not generate another payment form, but will instead just display the "Process Payment" button.

4. Once your customer has input their card data and clicked the "Process Payment" button, the data will be processed and DOKU will send a response containing the card ID. When you retrieve this data from your server, create the payment request following the instructions for regular credit card payments. However, when you make the payment request, you must change the method of payment to Doku_Api::doPayment instead of Doku_Api::doPayment. See example:



```
<?php
require_once('../Doku.php');
Doku_Initiate::$sharedKey = '<Put Your Shared Key Here>';
Doku_Initiate::$mallId = '<Put Your Merchant Code Here>';
$params = array(
  'amount' => '100000.00',
  'invoice' => '123456789'
$words = Doku_Library::doCreateWords($params);
$customer = array(
   'name' => 'TEST NAME',
      'data_phone' => '08121111111',
'data_email' => 'test@test.com'
      'data_address' => 'bojong gede #1 08/01'
$basket[] = array(
    'name' => 'sayur'
      'amount' => '10000.00',
      'quantity' => '1',
'subtotal' => '10000.00'
$basket[] = array(
   'name' => 'buah',
   'amount' => '10000.00',
      'quantity' => '1',
      'subtotal' => '10000.00'
$dataPayment = array(
    'req_mall_id' => Doku_Initiate::$mallId,
      'req_chain_merchant' => 'NA',
      'req_amount' => $params['amount'],
'req_words' => $words,
'req_purchase_amount' => $params['amount'],
       'req_trans_id_merchant' => $params['invoice'],
      'req_request_date_time' => sparams['invoic'
'req_request_date_time' => date('YmdHis'),
'req_currency' => '360',
'req_purchase_currency' => '360',
       'req_session_id' => shal(date('YmdHis')),
      'req_name' => $customer['name'],
      'req_payment_channel' => '15',
'req_email' => $customer['data_email'],
      'req_email -> $customer[ data_email ],
'req_basket' => $basket,
'req_address' => $customer['data_address'],
      'req_token_payment' =>
'0bea1c1c653dbc8e1e6c24155c629fe237325a06',
      'req_customer_id' => '12345'
$response = Doku_Api::doDirectPayment($dataPayment);
if($response->res_response_code == '0000'){
     echo 'PAYMENT SUCCESS -- ';
}else{
      echo 'PAYMENT FAILED -- ';
}
?>
```

2.1.4 Installment

Installment allows your customers to pay in plans using their credit cards. To enable this feature, you will need an agreement with the participating banks; please contact DOKU sales representative for assistance. This feature applies to both cards issued by banks that have their own installment product (*on-us*



installment) and those without installment product (off-us installment), each with different installment plans and rate. There is only a single integration process that you need to go through to enable both types of installment:

1. Create an installment form on your payment page

Installment integration follows the same steps as a normal credit card payment, only with a few additional parameters. To start, please create an installment selection form on your payment page for your customer to choose their card issuer and preferred payment plan along with the doku-1.2.js credit card form. Sample of installment form may look like this:



2. Send Payment Request

There is no difference in the parameters sent from doku-1.2.js to your server, please do it as you would for a normal credit card payment. However, pair the credit card payment request parameters together with the installment information as you would need to combine the two when conducting the server-to-server payment charging process.

3. Charge payment to DOKU server along with the installment parameters

Send a payment charge request to DOKU using the usual DOKU library, only with the additional installment parameters. **Installment_acquirer** refers to the acquirer bank code, **tenor** is the number of months in the installmentplan, **plan_id** is a promotion code the merchant has form the bank, and **installment_off_us** with value 'O' only for off-us transaction.

```
'req_chain_merchant' => 'NA',
        'req_amount' => '10000.00',
'req_words' => $words,
         'req_purchase_amount' => '10000.00',
         'req trans id merchant' => $invoice no,
        'req_request_date_time' => date('YmdHis'),
'req_currency' => '360',
         'req_purchase_currency' => '360'
         'req_session_id' => sha1(date('YmdHis')),
         'req_name' => $customer['name'],
         req_payment_channel' => 15,
         'req basket' => $basket,
         'req_email' => $customer['data_email'],
         req_token_id' => $token
         'req_installment_acquirer' => '100' → from merchant
        'req_tenor' => '12', → from merchant
'req_plan_id' => '001' → from merchant
         'req_installment_off_us' => '0' → only for off-us transaction
```



2.1.5 Authorize & Capture

Authorize & Capture is a feature that allows you to block a certain amount from the customer's credit card limit (*Authorize*), then hold it for a certain period before charging a payment – which can be a different amount from what you block (*Capture*). To enable this feature, you will need an agreement with the acquiring bank; please contact DOKU sales representative for more detail.

The integration process for Authorize & Capture works as follow:

1. Authorize

To send a payment authorization request, follow the exact same steps as a normal credit card payment charging request, with additional parameters that you send during the server-to-server process:

```
$dataPayment = array(
    'req_mall_id' => Doku_Initiate::$mallId,
    'req_chain_merchant' => 'NA',
    'req_amount' => '10000.00',
    'req_words' => $words,
    'req_purchase_amount' => '10000.00',
    'req_trans_id_merchant' => $invoice_no,
    'req_request_date_time' => date('YmdHis'),
    'req_currency' => '360',
    'req_purchase_currency' => '360',
    'req_session_id' => shal(date('YmdHis')),
    'req_name' => $customer['name'],
    'req_payment_channel' => 15,
    'req_basket' => $basket,
    'req_email' => $customer['data_email'],
    'req_token_id' => $token
    'req_authorize_expiry_date' => '1440' -> from merchant,
per minute (optional)
    'req_payment_type' => 'A',
)
```

req_authorize_expiry_date refers to the time limit (in minutes) that you want to impose on authorizing a certain amount of the card limit; the maximum is 15 days. While the value 'A' for **req_payment_type** refers to an Authorize request. During this process DOKU will check whether there is still enough limit on the card to Authorize the amount.

After successfully completing the Authorize process, you will receive an **approval_code** parameter. Store and pair it with your **trans_id_merchant** parameter to later complete the Capture process.

2. Capture

To capture, simply send a server-to-server charging request to DOKU as shown by example below. You do not have to follow the full credit card steps since the customer does not have to fill in their card details anymore and getToken process can be bypassed.



3.0 DOKU Wallet

Doku Wallet integration comprises 3 easy steps:

- 1. Insert JavaScript
- 2. Initiate JavaScript parameters
- 3. Create payment form

To get started on your integration, follow these steps one by one by pasting the template scripts onto your website. The DOKU payment form is saved in HTML format; the template script acts as a placeholder for where the payment form will appear on your page. Prepare your HTML pages as seen in the template, and customize accordingly.

1. Insert the doku-1.2.js, fancybox.js and fancybox.css onto your website's payment page, along with your custom style. See example:

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/fancybox/2.1.5/jquery.fancybox.pack.js"></script>
<link href="https://cdnjs.cloudflare.com/ajax/libs/fancybox/2.1.5/jquery.fancybox.min.css"
rel="stylesheet">

<script src="https://staging.doku.com/doku-js/assets/js/doku-1.2.js"></script>
<link href="https://staging.doku.com/doku-js/assets/css/doku.css" rel="stylesheet">
```

For production environment, please change URL 'https://staging.doku.com/...' to https://pay.doku.com/...'

2. Initialize the payment form by creating the words using doku_library...



...and adding the following example script on to your webpage:

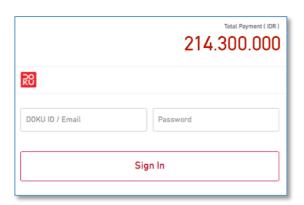
```
<script type="text/javascript">
$(function() {
    var data = new Object();
    data.req_merchant_code = '1';
    data.req_chain_merchant = 'NA';
    data.req_payment_channel = '04';
    data.req_transaction_id = '<?php echo $invoice ?>';
    data.req_currency = '<?php echo $currency ?>';
    data.req_amount = '<?php echo $amount ?>';
    data.req_words = '<?php echo $words ?>';
    data.req_form_type = 'full';

getForm(data, 'staging'); //for production environment, change 'staging' to 'production'
});
</script>
```

Remember to use '04' for the payment_channel parameter, which refers to DOKU Wallet.

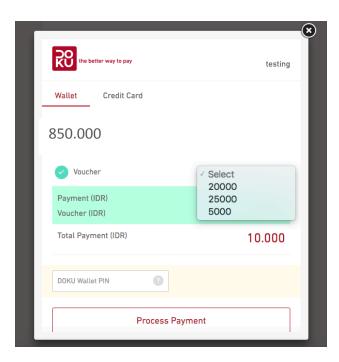
3. Insert the template script where you wish the payment form to appear on your website.

When completed correctly, the payment form should appear as seen below, and you may start receiving payments immediately. The DOKU script only provides the two fields to be filled in by the customer. All other parts of the payment page, including 'Process Payment' button are customizable to your needs.

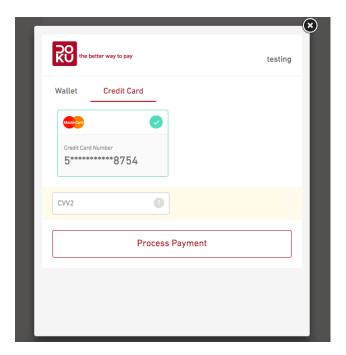


Once your customer has input their DOKU ID and signed in to their account, their balance and payment options will appear in a pop-pup window, which follows the DOKU template, like this:





The customer may choose to pay with their existing cash balance and may apply a Voucher or Promo Code if he/she has a valid one. The customer may also choose to pay with the Credit Card that has been linked to their DOKU Wallet. Note however, that to activate the credit card option, further process is required. If the Credit Card option is not yet activated for you and you would like to do so, please contact DOKU.



When the customer clicks the "Process Payment" button, the DOKU server will process the data and send a response to the browser. The browser will then post the data to the merchant server, according to the URL set in your action form.

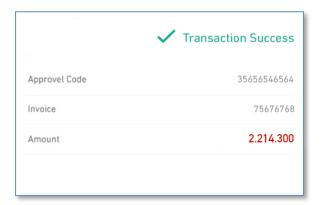
You can retrieve the posted data from the form within your server. Then send the payment request to the DOKU server to be processed using our library. See example:



```
<?php
require_once('../Doku.php');
Doku_Initiate::$sharedKey = '<Put Your Shared Key</pre>
Here>';
Doku_Initiate::$mallId = '<Put Your Merchant Code
Here>';
$token = $_POST['doku-token'];
$pairing_code = $_POST['doku-pairing-code'];
$invoice_no = $_POST['doku-invoice-no'];
$params = array(
  'amount' => '10000.00',
  'invoice' => $invoice_no,
  'currency' => '360',
  'pairing_code' => $pairing_code,
  'tokon' => $tokon
         token' => $token
);
$words = Doku_Library::doCreateWords($params);
$basket[] = array(
   'name' => 'sayur',
   'amount' => '10000.00',
   'quantity' => '1',
   'subtotal' => '10000.00'
$customer = array(
   'name' => 'TEST NAME',
        'data_phone' => '08121111111',
'data_email' => 'test@test.com',
'data_address' => 'bojong gede #1 08/01'
);
$data = array(
        a = array(
   'req_token_id' => $token,
   'req_pairing_code' => $pairing_code,
   'req_oustomer' => $customer,
   'req_basket' => $basket,
   'req_words' => $words
);
if($responsePrePayment->res_response_code ==
 '0000'){
//prepayment success
        $dataPayment = array(
   'req_mall_id' => '1',
   'req_chain_merchant' => 'NA',
                red_chain_merchant => NA ,
'req_amount' => '10000.00',
'req_words' => $words,
'req_purchase_amount' => '10000.00',
'req_trans_id_merchant' => $invoice_no,
'req_request_date_time' =>
date('YmdHis'),
                'req_currency' => '360',
'req_purchase_currency' => '360',
                'req_session_id' => shal(date('YmdHis')),
                'req_name' => $customer['name'],
               'req payment channel' => 04,
'req basket' => $basket,
'req_email' => $customer['data_email'],
'req_token_id' => $token
       $result = Doku_Api::doPayment($dataPayment);
       if($result->res_response_code == '0000'){
   echo 'SUCCESS';
               //success
        }else{
               echo 'FAILED';
               //failed
}else{
       //prepayment fail
```



After this, you may display the result on your browser for the customer to see.



4.0 Virtual Account

DOKU accept Virtual Account number payment from banks and convenience store, which are: Bank Permata, BCA, Bank Mandiri, Bank Sinarmas, CIMB Niaga, Danamon, BRI, BNI, Alfa Group (Alfamart, Alfamidi, Dan+dan), Indomaret, QNB, and Maybank. When Merchant request generate payment code to DOKU, DOKU will generate a one-time use, 8 or 11 digits payment code which is valid at Bank's channel (ATM, Internet Banking, Mobile Banking) or convenience stores cashier/POS machine. For each of the different acquiring entities, the first 5 or 8 digit codes will define the merchant identifier.

Generally, total payment code length that is generated to Customer will have 16 digits length. For example, a payment code that is valid for payment at an Alfa store would look like this: 88888-39421877483. And a bank transfer with Permata acquiring would look like this: 89650-39421877483.

Integration for bank transfer and convenience store is practically identical; however, keep in mind that you will have to set the first 5 or 8 digits according to the payment method, and the last 8 or 11 digits will be queried from the DOKU server.

4.1 Integration

Follow these simple steps for Virtual Account integration:

- 1. Generate Payment Code
- 2. Display Payment Code in your browser
- 3. Receive Payment Notification
- 4. Notify DOKU server that Payment Notification has been received

Notes: For interface, will be shown from merchant website

1. By using the DOKU PHP Library, you can make a payment code request with ease. The request process is performed host to host. Examples of the request is seen below:



```
require_once('../Doku.php');
date_default_timezone_set('Asia/Jakarta');
Doku_Initiate::$sharedKey = <Put Your Shared Key Here>;
Doku_Initiate::$mallId = <Put Your Merchant Code Here>
$params = array(
     'amount' => $_POST['amount'],
'invoice' => $_POST['trans_id'],
'currency' => $_POST['currency']
);
$words = Doku_Library::doCreateWords($params);
$customer = array(
      'name' => 'TEST NAME'
      'data_phone' => '08121111111',
     'data_email' => 'test@test.com'
     'data_address' => 'bojong gede #1 08/01'
$dataPayment = array(
     req_mall_id' => $_POST['mall_id'],
'req_chain_merchant' => $_POST['chain_merchant'],
     'req_amount' => $params['amount'],
'req_words' => $words,
     'req_trans_id_merchant' => $_POST['trans_id'],
     'req_purchase_amount' => $params['amount'],
     'req_request_date_time' => date('YmdHis'),
'req_session_id' => shal(date('YmdHis')),
     'req_email' => $customer['data_email'],
'req_name' => $customer['name'],
     'req_basket' => 'sayur,10000.00,1,10000.00;',
'req_address' => 'Plaza Asia Office Park Unit 3 Kav 59',
     'req_mobile_phone' => '081987987999'
'req_expiry_time' => 'default 360 '
                                                    (optional)
);
$response = Doku_Api::doGeneratePaycode($dataPayment);
if($response->res_response_code == '0000'){
     echo 'GENERATE SUCCESS -- ';
}else{
     echo 'GENERATE FAILED -- ';
?>
```

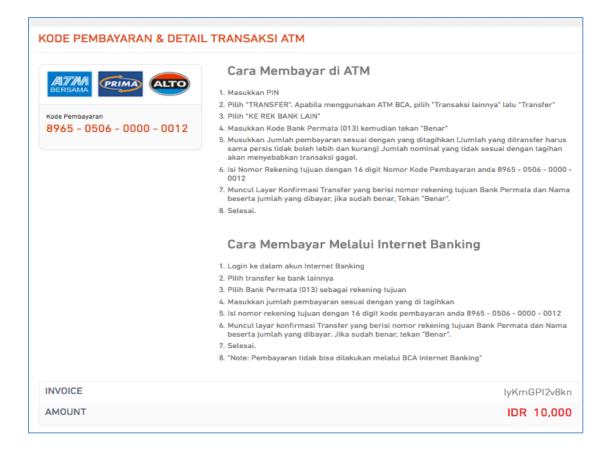
The parameter 'reg_expiry_time' refers to the custom expiry window for the payment to be made. Exceeding this time limit will render the payment code invalid. You may set the time limit however you like, in *minute format*. If you do not set the expiry time parameter, DOKU will set it at the default time of 360 minutes (6 hours).

The DOKU server responds in JSON, like this:

```
{
    "res_pay_code":"62700000003",
    "res_pairing_code":"290316110837531987",
    "res_response_msg":"SUCCESS",
    "res_response_code":"0000"
}
```



2. Display the result in your browser however you wish. Remember to add the Bank code prefix (5 or 8 digits) in front of the payment code. If you want to choose on behalf of the merchant, which bank they are transferring to, the result can be displayed like this:



Notes: for template, it depends on merchant requested.

Otherwise, you can display all options like this:





3. Once the customer has made a payment, DOKU will send a payment notification containing the payment parameters to your server. The notification sent from DOKU will look something like this:

```
PAYMENTDATETIME=20160329110948
PURCHASECURRENCY=360
PAYMENTCHANNEL= FROM DOKU
AMOUNT=10000.00
PAYMENTCODE=00100000029
WORDS=01d9b362d3c1b80ff9196c6a565c49e5d9b03b8a
RESULTMSG=SUCCESS
TRANSIDMERCHANT=ZA912172
BANK=PERMATA
STATUSTYPE=P
APPROVALCODE=068992
RESPONSECODE=0000
SESSIONID=7b6647973dd13211a7fcf42eba79acea68aa69a1
```

4. Notify the DOKU server that you have received the payment notification, using the following example script:

```
<?php
$PAYMENTDATETIME = $_POST['PAYMENTDATETIME'];
$PURCHASECURRENCY = $_POST['PURCHASECURRENCY'];
$PAYMENTCHANNEL = $ POST['PAYMENTCHANNEL'];
$AMOUNT = $ POST['AMOUNT'];
$PAYMENTCODE = $_POST['PAYMENTCODE'];
$WORDS = $_POST['WORDS'];
$RESULTMSG = $_POST['RESULTMSG'];
$TRANSIDMERCHANT = $_POST['TRANSIDMERCHANT'];
BANK = POST['BANK'];
$STATUSTYPE = $_POST['STATUSTYPE'];
$APPROVALCODE = $_POST['APPROVALCODE'];
$RESPONSECODE = $ POST['RESPONSECODE'];
$SESSIONID = $_POST[' SESSIONID']
$WORDS_GENERATED = <function to generate words>
if ( $WORDS == $WORDS_GENERATED )
        echo "CONTINUE";
else
{
        echo "WORDS NOT MATCH";
}
```



5.0 Internet Banking

Each bank has its own flow and authentication process for Internet Banking Payments. The majority of Internet Banking is hosted on the respective banks' own webpages where the customer enters his/her credentials and completes the authentication. So even though the initial payment steps will occur on the merchant page, it is redirected to the bank page eventually. Out of the Internet Banking facilities that are supported by DOKU currently, only Mandiri Clickpay allows for a merchant hosted flow.

5.1 Mandiri Clickpay

Mandiri Clickpay integration comprises 3 easy steps:

- 1. Insert JavaScript
- 2. Add JavaScript code
- 3. Create payment form

To get started on your integration, follow these steps one by one by pasting the template scripts onto your website. The DOKU payment form is saved in HTML format; the template script acts as a placeholder for where the payment form will appear on your page. Prepare your HTML pages as seen in the template, and customize accordingly.

The form you create in this step will receive the Mandiri Clickpay input from the customer.

1. Insert the doku-1.2.js onto your website's payment page, along with your custom style. See example:

```
<script src="doku-1.2.js"></script>
<link href="https://staging.doku.com/doku-js/assets/css/doku.css" rel="stylesheet">
<script src='https://staging.doku.com/doku-js/assets/js/jquery.payment.min.js'></script>
```

For production environment, please change URL 'https://staging.doku.com/...' to https://pay.doku.com/...'

2. Initialize the payment form by adding the following example script onto your webpage.

```
<script type="text/javascript">

jQuery(function($) {
    $('.cc-number').payment('formatCardNumber');

    var challenge3 = Math.floor(Math.random() * 999999999);
    $("#CHALLENGE_CODE_3").val(challenge3);
});

$(function() {
    var data = new Object();
    data.req_cc_field = 'cc_number';
    data.req_challenge_field = 'CHALLENGE_CODE_1';

    dokuMandiriInitiate(data);
});
</script>
```

3. Insert the template script where you wish the payment form to appear on your website.



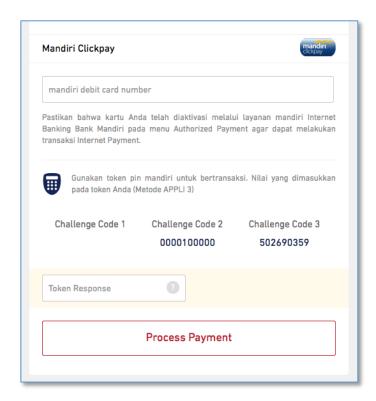
```
<form method="post" action="../example/mandiri-clickpay-charge.php">
<div id="mandiriclickpay" class="channel">
    <div class="list-chacode">
        <div class="text-chacode">Challenge Code 1</div>
                <input type="text" id="CHALLENGE_CODE_1" name="CHALLENGE_CODE_1"</pre>
readonly="true" required/>
                <div class="clear"></div>
            <1i>>
                <div class="text-chacode">Challenge Code 2</div>
                <div class="num-chacode">0000100000</div>
                <input type="hidden" name="CHALLENGE_CODE_2" value="0000100000"/>
                <div class="clear"></div>
            <1i>>
<div class="text-chacode">Challenge Code 3</div>
                <div class="clear"></div>
            <div class="clear"></div>
        </111>
    </div>
    <div class="validasi">
        <div class="styled-input fleft width50">
            <input type="text" required="" name="response_token">
            <label>Respon Token</label>
        </div>
        <div class="clear"></div>
    </div>
   <input type="hidden" name="invoice_no" value="invoice_1458547984">
<input type="button" value="Process Payment" class="default-btn"</pre>
onclick="this.form.submit();">
</div>
</form>
```

Mandiri ClickPay WORDS = sha1

[AMOUNT+MALLID+<shared key> +TRANSIDMERCHANT+ CURRENCY]



When completed correctly, the payment form should appear as seen below, and you may start receiving payments using Mandiri Clickpay immediately.



Once your customer has input their Mandiri Clickpay data and clicked the "Process Payment" button, the data will be processed on DOKU. The DOKU server responds to the browser, and the data will be posted to the merchant server, according to the URL set in you action form.

You can retrieve the posted data from the form within your server. Then send the payment request to the DOKU server to be processed using our library. See example:



```
<?php
 require_once('../Doku.php');
 Doku_Initiate::$sharedKey = '<Put Your Shared Key Here>';
Doku_Initiate::$mallId = '<Put Your Merchant Code Here>';
 $params = array(
  'amount' => '100000.00',
  'invoice' => $_POST['invoice_no']
 );
 $cc = str_replace(" - ", "", $_POST['cc_number']);
 $words = Doku_Library::doCreateWords($params);
 $customer = array(
   'name' => 'TEST NAME',
             'data_phone' => '081211111111',
'data_email' => 'test@test.com'
             'data_address' => 'bojong gede #1 08/01'
 );
$basket[] = array(
   'name' => 'sayur',
   'amount' => '10000.00',
   'quantity' => '1',
   'subtotal' => '10000.00'
 );
$basket[] = array(
   'name' => 'buah',
   'amount' => '10000.00',
   'quantity' => '1',
   'subtotal' => '10000.00'
 );
$dataPayment = array(
    'req_mall_id' => '1',
    'req_chain_merchant' => 'NA',
    'req_amount' => $params['amount'],
    'req_words' => $words,
    'req_purchase_amount' => $params['amount'],
    'req_trans_id_merchant' => $_POST['invoice_no'],
    'req_request_date_time' => date('YmdHis'),
    'req_currency' => '360',
    'req_purchase_currency' => '360',
    'req_session_id' => shal(date('YmdHis')),
    'req_name' => $customer['name'],
    'req_payment_channel' => '02',
    'req_email' => $customer['data_email'],
    'req_card_number' => $cc,
            req_email' => $customer['data_email'],
'req_card_number' => $cc,
'req_basket' => $basket,
'req_challenge_code_1' => $_POST['CHALLENGE_CODE_1'],
'req_challenge_code_2' => $_POST['CHALLENGE_CODE_2'],
'req_challenge_code_3' => $_POST['CHALLENGE_CODE_3'],
'req_response_token' => $_POST['response_token'],
'req_mobile_phone' => $customer['data_phone'],
            'req_address' => $customer['data_address']
 );
 $response = Doku Api::doDirectPayment($dataPayment);
 if($response->res_response_code == '0000'){
    echo 'PAYMENT SUCCESS -- ';
 }else{
           echo 'PAYMENT FAILED -- ';
 }
 var dump($response);
 ?>
```

The DOKU server will send a response in JSON, like this:



```
{
    "res_response_msg":"SUCCESS",
    "res_transaction_code":"d4efbb8c4ebb9a3597c05aa32f2b341e77f98e63",
    "res_mcn":"4*************************
"res_approval_code":"1234",
    "res_trans_id_merchant":"1706332101",
    "res_payment_date":"20160319184828",
    "res_bank":"MANDIRI CLICK PAY",
    "res_amount":"30000.00",
    "res_message":"PAYMENT APPROVED",
    "res_response_code":"0000",
    "res_session_id":"50d240541f4d8d7565b18cb5ca93a660"
}
```

After this is done, you may display the result on your browser for the customer to see.



6.0 Appendix

6.1 Payment Methods

Payment Type	Description
Credit Card	 Visa, Mastercard and AMEX for Overseas Partner. JCB upon request Direct API available Features (acquirer dependant): 3D and non 3D Secure, recur, authorize capture, online refund, tokenization, installment, BIN filtering, point rewards
Internet Banking	 Available: Mandiri Clickpay, Each bank has different authentication process through OTP or token Direct API only available for Mandiri Clickpay. The rest is re-direct only
DOKU Wallet	 E-wallet product issued by DOKU Source of fund: cash balance, linked credit card, linked bank account Max. balance is Rp1,000,000 for non-KYC and Rp10,000,000 for KYC users Authenticate with email, password and static PIN that is pre-set by the user Direct API available
Virtual Account (Convenience Store & Bank Transfer)	 Accessible in almost 12,000 Alfa group stores (Alfa Express, Alfa Midi, Alfa Mart, Lawson and DAN+DAN) and 14,000 Indomaret stores Virtual account housed in Bank Permata, BCA, Bank Mandiri, Bank Sinarmas, CIMB Niaga, Danamon, BRI, BNI, QNB, and Maybank. Bank Mandiri, Permata, Sinarmas, are payable from any bank that is connected to ATM Bersama, Prima or Alto networks (over 120 banks in Indonesia) Generate 16 digits payment code at checkout. Customer can go to nearest convenience store and makes payment over the counter with cash/non cash. Or Customer can make payment via ATM or internet/mobile banking Merchant can set payment code expiry time for every transaction Direct API available

6.2 Payment Channel Codes

Code	Description
02	Mandiri Clickpay
04	DOKU Wallet
07	Permata VA
14	Alfa Group
15	Credit Card Visa/Master
16	Credit Card Tokenization
17	Recurring Payment
22	Sinarmas VA
23	MOTO
31	Indomaret
32	CIMB VA
34	BRI VA
38	BNI VA
41	Mandiri VA
42	QNB VA



6.3 API URL

In this section of the Appendix, you will find the list of URL for the different APIs.

Action	URL Path	Description
prepayment	/api/payment/PrePayment	
payment	/api/payment/paymentMip	
directPayment /api/payment/PaymentMIPDirect		
generateCode	/api/payment/DoGeneratePaycodeVA	To request 11 digits paycode
/api/payment/doGeneratePaymentCode		To request 8 digits paycode

URL domain:

Environment	URL domain	
Staging	https://staging.doku.com/	
Production	https://pay.doku.com/	

6.4 Parameters Required

In this section of the Appendix, you will find the list of required parameters for the different APIs.

6.4.1 Payment Request

Credit Card Payment Request Parameter

No	Name	Туре	Length	Comments	Mandatory
1	req_mall_id	N		Given by DOKU	Yes
2	req_chain_merchant	N		Given by DOKU, if not using Chain, default value is NA	Yes
3	req_amount	N	12.2	Total amount. Eg:10000.00	Yes
4	req_purchase_amount	N	12.2	Total amount. Eg:10000.00	Yes
5	req_trans_id_merchant	AN	30	Transaction ID from Merchant	Yes
6	req_words	AN	200	Hashed key combination encryption (use SHA1 method). The hashed key generated from combining these parameters value in this order: Amount + Mall ID+ <shared key=""> + Invoice No. + Purchase Currency + Token ID + Pairing Code</shared>	Yes
7	req_request_date_time	N	Х	YYYYMMDDHHMMSS	Yes
8	req_currency	N	3	ISO3166 , numeric code	Yes
9	req_purchase_currency	N	3	ISO3166 , numeric code	Yes
10	req_session_id	AN	48		Yes
11	req_name	AN	50	Travel arranger name / buyer name	Yes
12	req_email	ANS	100	Customer email	Yes
	req_basket	ANS		Show transaction description. Use comma to separate each field and semicolon for each item. Item 1, 1000.00.,2,20000,00;item2,15000.00,2,30000.00	Yes
	token_id	AN		Sent by DOKU during getToken process	Yes
	req_shipping_address	ANS		Shipping address contains street and number	Optional
	req_shipping_city	ANS		City name	Optional
	req_shipping_state	AN		State / province name	Optional
18	req_shipping_country	А		ISO3166 , alpha-2 Op	
19	req_shipping_zip_code	N	10	Zip Code Op	
20	req_payment_channel	N	2	See payment channel code list	Optional



0.4	T 11	ANIC	100	h, ,, ,, ,, ,, ,	0 .: 1	
	req_address	ANS	100	Home address contains street and number	Optional	
22	req_city	ANS	100	City name	Optional	
23	req_state	AN	100	State / province name	Optional	
24	req_country	Α	2	ISO3166, alpha-2	Optional	
25	req_zip_code	N	10	Zip Code	Optional	
26	req_mobile_phone	ANS	11	Home Phone	Yes	
27	req_work_phone	ANS	13	Work Phone / Office Phone	Optional	
28	req_birth_date	N	8	YYYYMMDD	Optional	
				NSTALLMENT		
29	req_installment_acquirer	N	3	Acquirer code for installment	Yes for Installment	
30	req_tenor	N	2	Number of month to pay the installment	Yes for Installment	
31	req_plan_id	N	3	Promotion ID from the bank for the current merchant	Yes for Installment	
			Т	OKENIZATION		
32	req_customer_id	AN	16	Merchant's customer identifier	Yes for Tokenization	
33	req_token_payment				Yes for Tokenization (1-click)	
	Authorize & Capture					
34	req_authorize_expiry_date	N	6	Expiry time of the payment Authorization (in minutes). Maximum is 15 days	Yes for Authorize	
35	req_payment_type	N	10	Please enter 'A' for Authorize	Yes for Authorize	
36	req_approval_code			Received from DOKU during Authorize process	Yes for Capture	

6.4.2 Check Status Request

Check transaction status for all type of payment channel

No	Name	Туре	Length	Comments	Mandatory
1	req_mall_id	Ν		Given by DOKU	Yes
2	req_chain_merchant	Ν		Given by DOKU, if not using Chain, default value is NA	Yes
3	req_trans_id_merchant	AN	30	Transaction ID from merchant	Yes
4	req_session_id	AN	48		Yes
5	req_words	AN	200	Hashed key combination encryption (use SHA1 method). The hashed key is generated from combining the parameter values in this order: req_mall_id+ <shared key="">+ req_trans_id_merchant</shared>	Yes

6.4.3 Check Status Response

Response of check status request will be in JSON format. Below is the sample:



```
"res_currency": "360",
    "res_status_type": "P",
    "res_threed_secure_status": "",
    "res_approval_code": "",
    "res_purchase_currency": "360",
    "res_edu_status": "NA",
    "res_trans_id_merchant": "1494246982571",
    "res_amount": "5000000.00",
    "res_payment_date_time": "20170508194517",
    "res_verify_score": "-1",
    "res_verify_id": "",
    "res_verify_id": "",
    "res_verify_status": "NA",
    "res_words": "08009f077a52d54dfa0443d58f99ec34227ddd49",
    "res_liability": "",
    "res_result_msg": "SUCCESS",
    "res_mcn": "00000000064",
    "res_bank": "DANAMON",
    "res_response_code": "8911000000000064",
    "res_payment_code": "8911000000000064",
    "res_payment_code": "1494246982571",
    "res_payment_channel": "33",
    "res_brand": " //for CC
```

6.5 DOKU Response Codes

In this section of the Appendix, you will find the list of response codes and their description for the different payment methods.

6.5.1 General response codes

The response codes listed in this section include both prepayment and payment response codes, and mostly apply to all payment methods. These are the most common response codes you will receive from DOKU.

Error	Description			
Code	Description			
0000	Successful approval			
5555	Failed decrypt			
5501	Payment channel not registered			
5502	Merchant is disabled			
5503	Maximum attempt 3 times			
5504	Words not match			
5505	Invalid parameter			
	Notify failed			
5507	Invalid parameter detected / Customer click cancel process			
5508	Re-enter transaction			
5509	Payment code already expired			
5510	Cancel by Customer			
5511	Not an error, payment code has not been paid by Customer			
5512	nsufficient Parameter			
5514	Reject by Fraud System			
5515	Duplicate PNR			
5516	Transaction Not Found			
5517	Error in Authorization process			
5518	Error parsing XML			
5519	Customer stop at 3D Secure page			



5520	Transaction Failed via scheduler
5521	nvalid Merchant
5522	Rates were not found
5523	Failed to get Transaction status
	Failed to void transaction
	Transaction can not be process
5526	Transaction is voided because timeout to wallet
	Transaction will be process as Off Us Instalment
5529	Invalid Merchant
5530	Internal server error
5531	Pairing Code does not exist
5532	Invalid Payment Channel
L	Failed to inquiry list of fund
.	Invalid Pairing Code
5535	Invalid Token
5536	Time Out
	Invalid Currency
5538	Invalid Purchase Currency
L	3D Secure Enrolment check failed
5540	3D Secure Authentication failed
5541	Form Type is not valid
	Duplicate Transaction ID
 	Please check 3D Secure result
L	Failed to delete token
	Failed to Void
5547	BIN are not allowed in promo
	nvalid Parameter
5553	Failed to tokenize

6.5.2 Credit Card

The response codes in this section only apply to credit card transactions.

Error	VISA	MASTERCARD	ORIGIN	ACTIONS
Code				
0001	Refer to card issuer	Refer to card issuer	VISA/MASTER	Tell Customer to
				contact the Bank Issuer
				of the card used.
0002	Refer to card issuer, special	_	VISA/MASTER	Tell Customer to
	condition			contact the Bank Issuer
				of the card used.
0003	nvalid merchant or service	Invalid Merchant	VISA/MASTER	Contact DOKU or
	provider			acquiring bank
0004	Pickup card	Capture card	VISA/MASTER	Should consider
				blocking the card
				temporarily or Block
				login ID



	- N - 11	:	\$ //C & // * * CTTT	
0005	Do Not Honor	Do Not Honor	VISA/MASTER	Tell Customer to
				contact the Bank Issuer
				of the card used.
0006	Error	-	VISA/MASTER	Tell Customer to
				contact the Bank Issuer
				of the card used.
0007	Pickup card, special condition	-	VISA/MASTER	Should consider
	(other than lost/stolen card)			blocking the card
8000		Honor with ID	VISA/MASTER	Tell Customer to
0000		TIONOL WILLIAM	VIO, VIVI, TOTEIT	contact the Bank Issuer
				of the card used.
0010	Partial Approval - Private label	<u>.</u>	VISA/MASTER	Tell Customer to
0010	artiai Approvai - i rivate labei		VISAVIVIASTEIX	contact the Bank Issuer
				of the card used.
0011	MD A		\/(C \	Tell Customer to
0011	VIP Approval	-	VISA/MASTER	contact the Bank Issuer
				of the card used.
		h b.l.=		
0012	Invalid Transaction	Invalid Transaction	VISA/MASTER	Contact DOKU or
		*		ACQUIRING BANK
	Invalid amount (currency	Invalid Amount	VISA/MASTER	Contact DOKU or
	conversion field overflow. Visa			ACQUIRING BANK
	Cash - Invalid load mount)			
0014	Invalid account number (no	Invalid Card Number	VISA/MASTER	Contact DOKU or
	such number)			ACQUIRING BANK
0015	No such issuer	Invalid issuer	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
0019	Re-enter transaction	-	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
0021	No Action taken (unable to		VISA/MASTER	Contact DOKU or
	back out prior transaction)			ACQUIRING BANK
0025	Unable to locate record in file,		VISA/MASTER	Contact DOKU or
	or account number is missing			ACQUIRING BANK
	from inquiry			
0028	File is temporarily unavailable	£	VISA/MASTER	Contact DOKU or
	, , , , , , , , , , , , , , , , , , , ,			ACQUIRING BANK
0030		Format error	VISA/MASTER	Contact DOKU or
		i onnat ciroi	VIO/VIVI/ (OTEIC	ACQUIRING BANK
				, regonaro branc
0041	Pickup card (lost card)	Lost Card	VISA/MASTER	Should consider
				blocking the card
				temporarily or Block
				login ID
0043	Pickup card [stolen card)	Stolen Card	VISA/MASTER	Should consider
	la ar a farmen een en			blocking the card
				temporarily or Block
				login ID
0051	Insufficient funds	Insufficient Funds/Over	VISA/MASTER	Tell Customer to
		Credit limit	. 10, (17), (0 L1(contact the Bank Issuer
		C. Care mine		of the card used.
0052	No checking account		VISA/MASTER	Tell Customer to
0032	TWO CHECKING ACCOUNT	<u> </u>	VIDAVIVIADIEK	contact the Bank Issuer
				of the card used.
L		: 	<u> </u>	or the card used.



[· · · · · · · · · · · · · · · · · · ·	\$ 110 A 11 A 0 T = 5	T !! C
0053	non savings account	-	VISA/MASTER	Tell Customer to
				contact the Bank Issuer
			<u>.</u>	of the card used.
0054	Expired card	Expired Card	VISA/MASTER	Tell Customer to
				contact the Bank Issuer
	: :		:	of the card used.
	Incorrect PIN (Visa cash - invalid	Invalid PIN	VISA/MASTER	Tell Customer to
	or missing SI signature)			contact the Bank Issuer
				of the card used.
0057	Transaction not permitted to	Transaction not	VISA/MASTER	Tell Customer to
	cardholder [Visa cash - incorrect	permitted to		contact the Bank Issuer
	routing, not a load request)	issuer/cardholder		of the card used.
0050	T	-	1//C A / M A A CTED	T C
0058	Transaction not allowed at	Transaction not	VISA/MASTER	Tell Customer to
	•	permitted to		contact the Bank Issuer
	•	acquirer/terminal		of the card used.
0061	Activity amount limit exceeded		VISA/MASTER	Tell Customer to
		amount limit		contact the Bank Issuer
				of the card used.
0062	Restricted card (for example in	Restricted Card	VISA/MASTER	Tell Customer to
	country exclusion table)			contact the Bank Issuer
				of the card used.
0063	Security violation	Security Violation	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
0065	Activity count limit exceeded	Exceeds withdrawal	VISA/MASTER	Tell Customer to
		count limit		contact the Bank Issuer
				of the card used.
0075	Allowable number of PIN-entry	Allowable number of PIN	VISA/MASTER	Tell Customer to
	tries exceeded	tries exceeded		contact the Bank Issuer
				of the card used.
0076	Unable to locate previous	Invalid/nonexistent "To	VISA/MASTER	Contact DOKU or
	message (no match on Retrieval			ACQUIRING BANK
	Reference number)	'		
0077	Previous message located for a	Invalid/nonexistent	VISA/MASTER	Contact DOKU or
0077	repeat or reversal, but repeat	:		ACQUIRING BANK
	or reversal data are inconsistent	-		
	with original message	-1		
0078		Invalid/nonexistent	VISA/MASTER	Contact DOKU or
		account specified		ACQUIRING BANK
		(general)		
0080	invalid date (For use in private	-	VISA/MASTER	Contact DOKU or
	label card transactions and			ACQUIRING BANK
	check acceptance transactions)			
	DIAL C		3 //C A // A A CTTT	6
0081	PIN Cryptographic error found	_	VISA/MASTER	Contact DOKU or
	(error found by VIC security			ACQUIRING BANK
	module during PIN decryption)			
0082	ncorrect CW/1CW	_	VISA/MASTER	Tell Customer to
3332				contact the Bank Issuer
				of the card used.
0083	Unable to verify PIN	_	VISA/MASTER	Tell Customer to
0003	Onable to verify I IIV		A 19W IAIW 3 I FIV	contact the Bank Issuer
				of the card used.
L	:	<u> </u>	<u>:</u>	or the cald used.



0084	-	Invalid Authorization Life	VISA/MASTER	Contact DOKU or
		Cycle		ACQUIRING BANK
0085	No reason to decline a request	Not Decline Valid for	VISA/MASTER	Contact DOKU or
	for account number verification			ACQUIRING BANK
	or address verification	inquiry, or SET		
		Cardholder certificate		
		requests [VISA Only)		
0091	Issuer unavailable or switch	Authorization System or	VISA/MASTER	Contact DOKU or
	inoperative (STIP not applicable	issuer system inoperative		ACQUIRING BANK
	or available for this transaction)			
0092	Destination cannot be found for	Unable to route	VISA/MASTER	Contact DOKU or
	routing	transaction		ACQUIRING BANK
0093	Transaction cannot be	_	VISA/MASTER	Contact DOKU or
	completed; violation of law			ACQUIRING BANK
0094	-	Duplicate transmission	VISA/MASTER	Contact DOKU or
		detected		ACQUIRING BANK
0096	System malfunction / System	System Error	VISA/MASTER	Contact DOKU or
	malfunction or certain field			ACQUIRING BANK
	error conditions			
00NO	Force STIP	-	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
00N3	Cash service not available	-	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
00N4	Cash request exceeds issuer	-	VISA/MASTER	Contact DOKU or
	limit			ACQUIRING BANK
00N7	Decline for CW2 failure	-	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
00P2	Invalid biller information	-	VISA/MASTER	Contact DOKU or
				ACQUIRING BANK
00P5	PIN Change/Unblock request	-	VISA/MASTER	Contact DOKU or
	declined			ACQUIRING BANK
00P6	Unsafe PIN	_	VISA/MASTER	Contact DOKU or
	1			ACQUIRING BANK
00TO	Timeout / Transaction's	Timeout / Transaction's	DOKU	Contact DOKU or
	response exceed time limit	response exceed time limit		ACQUIRING BANK
00UE	Unknown Exception / PosServer	Unknown Exception /	DOKU	Contact DOKU or
	not responding	PosServer not '		ACQUIRING BANK
	, -	responding		
·····			\$	
			•	



6.5.3 DOKU Wallet

The response codes in this section only apply to DOKU Wallet transactions.

Error	Description
Code	Description
0E01	FAILED GET MERCHANT
0E02	MASTER MERCHANT INACTIVE
0E03	INVALID WORDS FROM MERCHANT
0E04	INVALID MERCHANT
0E05	FAILED TO PROCESS PAYMENT
0E06	PAYMENT METHOD NOT DEFINE
0E07	FAILED EXECUTE PRE AUTH PLUGINS
0E08	FAILED EXECUTE POST AUTH PLUGINS
0E09	INVALID PAY ID
0E10	ERROR PAY ID
0E11	FAILED EXECUTE PRE TRANS MIP PLUGINS
0E12	VERIFY RESPONSE STOP FROM MERCHANT
0E13	FAILED VERIFY TO MERCHANT
0E14	FAILED SEND PAYMENT CASH WALLET
0E15	NOTIFY RESPONSE STOP FROM MERCHANT
0E16	FAILED NOTIFY TO MERCHANT
0E18	FAILED EXECUTE POST TRANS MIP PLUGINS
0E19	NOT ENOUGH CASH BALANCE AND DON'T HAVE CREDIT CARD
0E20	SPENDER NO HAVE LINK TO CREDIT CARD
0E21	ERROR CHECK 3D SECURE CREDIT CARD
0E22	PIN/OTP IS NOT VALID
0E23	PLEASE INPUT CVV2
0E24	INVALID SESSION
0E25	FAILED SEND LINK AUTHENTICATION TO CARD HOLDER
0E26	INSUFFICIENT PARAMS
0E27	FAILED EXECUTE PRE TRANS CIP PLUGINS
0E28	FAILED EXECUTE POST TRANS CIP PLUGINS
0E29	FAILED SEND PAYMENT MIP CREDIT CARD
0E30	YOU DO NOT HAVE PIN
	DUPLICATE INVOICE NO
0E32	URL NOT FOUND
	CUSTOMER NOT FOUND
	VOID PROCESS FAILED
	Failed Send ONE TIME PIN to your email
	Failed Send Link for create PIN to your email
	THIS SPENDER CAN'T TRANSACT IN THIS MERCHANT
	You have reach your DOKU ID Transaction Limit
0E39	Process MIP Transaction Failed
0E99	ERROR SYSTEM



6.5.4 Virtual Account

The response codes in this section only apply to Convenience Store and Bank Transfer transactions.

Error	Description
Code	Description
0001	Decline (internal error)
0013	Invalid amount
0014	Bill not found
0066	Decline
0088	Bill already paid

6.5.5 Mandiri Clickpay

The response codes in this section only apply to Mandiri Clickpay transactions.

Error Code	Description
	Internal system error: cannot parse message
	Internal system error: unmatched signature hash
	Internal system error: Cannot process message
0004	Internal system error: Error on field
0005	Internal system error: Transaction not found
0006	Internal system error: Create VPA response error
0101	Internal system error: Create velis-authenticator message
0102	Internal system error: Runtime try/catch error when creating VTCPStream
0103	Internal system error: Cannot connect to velis-authenticator
0104	Internal system error: Send request to velis-authenticator failed
0105	Internal system error: Waiting response from velis-authenticator failed
0106	Internal system error: Read response from velis-authenticator failed
0107	Internal system error: Parse response from velis-authenticator failed
0108	Internal system error: Signature key from velis-authenticator is invalid
1101	User not registered: Channel not register in database (not found) User not registered: User not active
1102	User not registered: User not active
1103	User not registered: User has deleted
1104	User not registered: User not found
1105	User not registered: User not found User not registered: Channel for User not active
1106	User not registered: Channel for User has deleted - no access
1107	User not registered: Channel for User not register / not found
	User has blocked: User has disabled
	User has blocked
L	User has blocked: Channel for User has disabled
	User has blocked: Channel for User has blocked
1112	User already activated: User has invalid status (or already active)
	User already activated: Channel for User has invalid status (or already active)
L	Invalid token: Token of User not active
L	Invalid token: Token of User has disable
1116	Invalid token: Token of User has deleted

1117	Invalid token: Token of User not found
1118	Invalid token: Method CR not allowed for Token of User
	Invalid token: Method RO not allowed for Token of User
1120	Invalid token: Method SG not allowed for Token of User
1121	Invalid token: Device Token Type not valid (only support VS = VASCO Token)
	Invalid token response: Code Not Verified
	nvalid token response: Code Replay Attempt
	Invalid token response: Challenge Too Small
	nvalid token response: Challenge Too Long
	Invalid token response: Challenge Check Digit Wrong (Host Check Challenge
	Mode)
1127	Invalid token response: Challenge Character Not Decimal
	Invalid token response: Challenge Corrupt (Host Check Challenge Mode)
	Invalid token response: Response Length Out of Bounds
	Invalid token response: Response Too Small
	Invalid token response: Response Too Long
1126	Invalid token response: Challenge Check Digit Wrong (Host Check Challenge
	Mode)
1127	Invalid token response: Challenge Character Not Decimal
1128	Invalid token response: Challenge Corrupt (Host Check Challenge Mode)
	Invalid token response: Response Length Out of Bounds
	Invalid token response: Response Too Small
	nvalid token response: Response Too Long
	Invalid token response: Response Check Digit Wrong
	nvalid token response: Response Character Not Decimal
	Invalid token response: Response Character Not Hexadecimal
	Invalid token response: Token Authentication Failed
	Receive error response from VA
	Internal system error: Create DSP-ISO message failed
	Internal system error: No active DSPSession
	Internal system error: Cannot send request to DSP-Silverlake
	Internal system error: Waiting response from DSP-Silverlake
0205	Internal system error: Read response from DSP-Silverlake without bit 39
0206	Internal system error: Read response from DSP-Silverlake without bit126
020/	Invalid card number: Card number not belong to this CIF
	Invalid card number: Card not found
	Not enough balance Invalid customer account
	·
	DSP-Silverlake system error
	Receive error response from DSP-Silverlake Internal system error: Cannot connect to VAM
	Invalid XML request: Invalid data XML (tc)
	Invalid XML request: Invalid data XML (userid)
	Invalid XML request: Invalid data XML (trace number)
3104	Invalid XML request: Invalid data XML (reference number)



2105	Invalid YMI request: Invalid data YMI (datatima)
	Invalid XML request: Invalid data XML (datetime) Invalid XML request: Invalid data XML (merchantid)
L	,
	Invalid XML request: Invalid data XML (bankid) Invalid XML request: Invalid data XML (item detail)
L	
	Invalid XML request: Invalid data XML (amount)
L	Invalid XML request: Invalid data XML (challenge)
	Invalid XML request: Invalid data XML (authentication)
	Invalid XML request: Invalid data XML (signature)
3113	Invalid XML request: Invalid data XML (aggregator)
3114	Invalid XML request: Error parse XML
	Invalid XML request: XML data is null
3116	Invalid XML request: Unmatched signature request
	Invalid XML request: Cannot find Aggregator
	User already registered: Duplicate UserID
	Customer account not found: Cannot find customer account
	Not registered UserID
	Daily transaction limit is reached
L	Maximum transaction limit is reached
L	Transaction payment rejected: Invalid limit configuration
3124	Transaction payment rejected: Cannot find Merchant ID
L	Transaction payment rejected: Inactive merchant
3126	Transaction payment rejected: Cannot find Bank Commission
3127	Transaction payment rejected: Cannot find Bank Commission Tearing
3128	Transaction payment rejected: Cannot find Aggregator Commission
3129	Transaction payment rejected: Cannot find Aggregator Commission Tearing
	Transaction payment rejected: Duplicate Transaction request
	Reversal rejected: Cannot find original data for reversal
	Reversal rejected: Cannot find merchant account for reversal
	Registration failed: Failed add customer channel
3134	Unregistered failed: Failed remove customer channel
3135	Merchant registration failed: Duplicate Merchant
P	Error init database
3202	Error write to database
4000	No connection to Aggregator
• • • • • • • • • • • • • • • • • • • •	Other error
9013	Unable to send request to bank
L	

