



# Payment Gateway (Bkash)

With **Laravel 8**

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## Set Configuration

- ❖ Add **config.json** file to the location at " **storage\app\public\**"
- ❖ Run command " **php artisan storage:link** "
- ❖ Copy the codes below to the **config.json** file

```
{
  "createUrl": "https://checkout.sandbox.bka.sh/v1.2.0-beta/checkout/payment/create",
  "executeURL": "https://checkout.sandbox.bka.sh/v1.2.0-beta/checkout/payment/execute",
  "tokenURL": "https://checkout.sandbox.bka.sh/v1.2.0-beta/checkout/token/grant",
  "script": "https://scripts.sandbox.bka.sh/versions/v1.2.0-beta/checkout/bKash-checkout-sandbox.js",
  "App_key": "5tunt4masn6pv2hmvte1sb5n3j",
  "Proxy": "",
  "App_secret": "1vggbqd4hqk9g96o9rrrp2jftvek578v7d2bnerim12a87dbrrka",
  "username": "sandboxTestUser",
  "password": "hWD@8vtzw0",
  "token": "eyJraWQiOiJmalhJQmwxclFUXC9hM215MG9ScXpEdVZZWk5KXC9qRTNJOFBaeGZUY3hlamc9liwiYWxnljoiUlMyNTYifQ.eyJzdWIiOiJiM2Q4OGVhZC0xNzc2LTRhMjEtYWZlMi0zN2FkZTk3NzEyZDMiLCJhdWQiOiI1dHVudDRtYXNuNnB2MmhdudRlMXNiNW4zailzImlvZ2ZlW50X2lkIjoiaGlyNDcyN2QtMWJjMC00MDNiLThmY2ltZDZmZmZiNjhlZTM4liwidG9rZW5fdXNlIjoiaWQiLCJhdXRoX3RpbWUiOiJlM2MjOTcwNjM5ImlzcyI6Imh0dHBzOlwvXC9jb2duaXRvLWlkZC5hcC1zb3V0aGVhZC3QtMS5hbWF6b25hd3MuY29tXC9hcC1zb3V0aGVhZC3QtMV9rZjVCU05vUGUiLCJjb2duaXRvOnVzZXJuYW1lIjoic2FuZGJveFRlc3Rvc2VyliwiZXhwIjojNjUwNjAwNjYzLCJpYXQiOiJlM2MjOTcwNjN5LjE5OTQ2fQMA8Ex_BsgATj4BxMbawDfP8xYd3jU3swUkrbyt_s_tWamyFAwgo-MY1tLB4mx4G7aXw8aUaV4hVfkkOYodDn65vBlXjp5hD4qyokLVKwGUyICP31WNTRhDIqES03D-N-eIEMGyO_eEOtB5Gw8IfydDiSLN0Qslc_StSumzw5VZxZn3IVNAKI5FnM_Jo1FQLYUyM5-kWGyIl_QVEH68fcGRbYUVUKuA1UYw5Gbfvms0uBQceBNCKC4yYQdKH0F8vBE42eWa_7H1Q7MnwwkaUXe61AhsC39eVeiWu25LZBm3KUxgjffLEqeD6GCnA5QMcyY_bPpK3IMHLU2DQ"
}
```

## Make Route

- ❖ Copy the routes below to **web.php**

```
Route::post('token',[App\Http\Controllers\PaymentController::class,'token'])->name('token');
Route::get('/create-payment',[App\Http\Controllers\PaymentController::class,'createPayment'])->name('createPayment');
Route::get('/execute-payment',[App\Http\Controllers\PaymentController::class,'executePayment'])->name('executePayment');
```

## Make Controller

- ❖ Run command “ **php artisan make:controller PaymentController** ”
- ❖ Copy the codes below to **PaymentController.php**

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\File;

class PaymentController extends Controller
{
    public function token() {
        session_start();
        $request_token = $this->bkash_Get_Token();
        $idtoken = $request_token['id_token'];
        $_SESSION['token']=$idtoken;
        $array = $this->get_config_file();
        $array['token']=$idtoken;
        $newJsonString = json_encode($array);
        file_put_contents('config.json',$newJsonString);
    }
}
```

```
File::put(storage_path().'/app/public/conig.json',$newJsonString);
echo $idtoken;
}
protected function bkash_Get-Token(){
    $array = $this->get_config_file();
    $post_token=array(
        'app_key'=>$array["app_key"],
        'app_secret'=>$array["app_secret"]
    );
    $url=curl_init($array["tokenURL"]);
    $proxy = $array["proxy"];
    $posttoken=json_encode($post_token);
    $header=array(
        'Content-Type:application/json',
        'password:'.$array["password"],
        'username:'.$array["username"]
    );
    curl_setopt($url,CURLOPT_HTTPHEADER, $header);
    curl_setopt($url,CURLOPT_CUSTOMREQUEST, "POST");
    curl_setopt($url,CURLOPT_RETURNTRANSFER, true);
    curl_setopt($url,CURLOPT_POSTFIELDS, $posttoken);
    curl_setopt($url,CURLOPT_FOLLOWLOCATION, 1);
    //curl_setopt($url, CURLOPT_PROXY, $proxy);
    $resultdata=curl_exec($url);
    curl_close($url);
    return json_decode($resultdata, true);
}
protected function get_config_file()
{
```

```
$path = storage_path()."/app/public/config.json";
return json_decode(file_get_contents($path), true);
}

public function createPayment(Request $request){
    session_start();

    $array = $this->get_config_file();

    $amount = $_GET['amount'];
    $invoice = $_GET['invoice'];
    $intent = "sale";
    $proxy = $array["proxy"];

    $createpaybody=array('amount'=>$amount, 'currency'=>'BDT',
'merchantInvoiceNumber'=>$invoice,'intent'=>$intent);

    $url = curl_init($array["createUrl"]);

    $createpaybodyx = json_encode($createpaybody);

    $header=array(
        'Content-Type:application/json',
        'authorization:'.$request->tknAjx,
        'x-app-key:'.$array["app_key"]
    );

    curl_setopt($url,CURLOPT_HTTPHEADER, $header);
    curl_setopt($url,CURLOPT_CUSTOMREQUEST, "POST");
    curl_setopt($url,CURLOPT_RETURNTRANSFER, true);
    curl_setopt($url,CURLOPT_POSTFIELDS, $createpaybodyx);
    curl_setopt($url,CURLOPT_FOLLOWLOCATION, 1);
    //curl_setopt($url, CURLOPT_PROXY, $proxy);
    $resultdata = curl_exec($url);
    curl_close($url);
    echo $resultdata;
}
```

```
public function executePayment(Request $request){
    session_start();
    $array = $this->get_config_file();
    $paymentID = $_GET['paymentID'];
    $proxy = $array["proxy"];
    $url = curl_init($array["executeURL"].$paymentID);
    $header=array(
        'Content-Type:application/json',
        'authorization:'.$request->tknAjx,
        'x-app-key:'.$array["app_key"]
    );
    curl_setopt($url,CURLOPT_HTTPHEADER, $header);
    curl_setopt($url,CURLOPT_CUSTOMREQUEST, "POST");
    curl_setopt($url,CURLOPT_RETURNTRANSFER, true);
    curl_setopt($url,CURLOPT_FOLLOWLOCATION, 1);
    //curl_setopt($url, CURLOPT_PROXY, $proxy);
    $resultdatax=curl_exec($url);
    curl_close($url);
    $this->updateProdStatus($resultdatax);
    echo $resultdatax;
}

public function updateProdStatus($resltX){
    // Here you can put payment information into database
    return $resltX;
}
}
```

## Add AJAX Script

- ❖ Create a blade file named “ **bkash\_script.blade.php** ”
- ❖ Add the **id= “bKash\_button”** to the pay button
- ❖ Add **@include( 'bkash\_script' )** to the body section
- ❖ Copy the codes below to “ **bkash\_script.blade.php** ”

```
<script src="https://code.jquery.com/jquery-1.8.3.min.js"
    integrity="sha256-YcbK69I5IXQftf/mYD8WY0/KmEDCv1asggHpJk1trM8="
    crossorigin="anonymous">
</script>

<script id="myScript"
src="https://scripts.sandbox.bka.sh/versions/1.2.0-beta/checkout/bKash-checkout-sandbox
.js">
</script>

<script>
    var accessToken = "";
    $(document).ready(function(){
        $.ajaxSetup({
            headers: {
                'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')
            }
        });

        $.ajax({
            url: "{!! route('token') !!}",
            type: 'POST',
            contentType: 'application/json',
            success: function (data) {
```

```
        console.log('got data from token ..');
        console.log(JSON.stringify(data));
        accessToken=data;
    },
    error: function(data){
        console.log(data);
    }
});

var paymentConfig={
    createCheckoutURL:"{!! route('createPayment') !!}",
    executeCheckoutURL:"{!! route('executePayment') !!}",
};

var paymentRequest;

paymentRequest = { amount: $(''.amount').text(), intent:'sale', invoice:
$(''.invoice').text()};

console.log(JSON.stringify(paymentRequest));

bKash.init({
    paymentMode: 'checkout',
    paymentRequest: paymentRequest,
    createRequest: function(request){
        console.log('=> createRequest (request) :: ');
        console.log(request);
        var url= paymentConfig.createCheckoutURL+"?amount=" +
paymentRequest.amount + "&invoice=" + paymentRequest.invoice;
        console.log(url);
        $.ajax({
            url: url,
            data:{
                tknAjx: accessToken
```



```
    },
    type: 'GET',
    contentType: 'application/json',
    success: function(data) {
        console.log('got data from create ..');
        console.log('data ::=>');
        console.log(JSON.stringify(data));
        var obj = JSON.parse(data);
        if(data && obj.paymentID != null){
            paymentID = obj.paymentID;
            bKash.create().onSuccess(obj);
            console.log('suc='+data);
        }
        else {
            console.log('error');
            bKash.create().onError();
        }
    },
    error: function(data){
        console.log('error='+data);
        bKash.create().onError();
    }
});

},

executeRequestOnAuthorization: function(){
    console.log('data test 1');
    console.log('=> executeRequestOnAuthorization');
    var exurl = paymentConfig.executeCheckoutURL+"?paymentID="+paymentID;
    console.log(exurl);
}
```

```
$.ajax({
  url: exurl,
  data:{
    tknAjx: accessToken
  },
  type: 'GET',
  contentType:'application/json',
  success: function(data){
    console.log('got data from execute ..');
    console.log('data ::=>');
    console.log('data test 2');
    console.log(JSON.stringify(data));
    console.log('data test 3');
    data = JSON.parse(data);
    console.log(data);
    console.log(data.paymentID);
    if(data && data.paymentID != null){
      alert('[SUCCESS] data : ' + JSON.stringify(data));
      window.location.href = "{!! url('/') !!}";
      console.log('data test 4');
    }
    else {
      bKash.execute().onError();
      console.log('data test 5');
    }
  },
  error: function(){
    bKash.execute().onError();
  }
}
```

```
        });  
    }  
});  
console.log("Right after init ");  
});  
function callReconfigure(val){  
    bKash.reconfigure(val);  
}  
function clickPayButton(){  
    $("#bKash_button").trigger('click');  
}  
</script>
```

## Credentials to check

- ❖ Wallet Number: **01770618575**
- ❖ Verification Code: **123456**
- ❖ Pin: **12121**