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# TOKENIZED CHECKOUT

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*API Integration Guide – v 0.3*

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## bKash Tokenized Checkout Integration Guide

As a service platform provider, bKash want bKash wallet users to use bKash payments without entering his mobile number (bKash wallet) and OTP; so that user have seamless experience. In the regular Checkout flow, a customer has to complete bKash Payment in 3 steps by entering bKash Account Number, Verification Code and bKash PIN. But with Tokenized Checkout, your valuable customers can complete bKash payment only by entering his/her bKash account PIN if the user has a valid "Agreement ID". Tokenized Checkout flow is as follows:

Work flow (High Level):

1. **[Agreement]** User will provide his bKash Wallet, OTP and PIN to register his wallet for further use in the service platform
2. **[Payments]** Users only provide his PIN to make the payments.
3. **[Cancel Agreement]** User can revoke his agreement with the service platform.
4. System will redirect user to merchant site either success or failure.

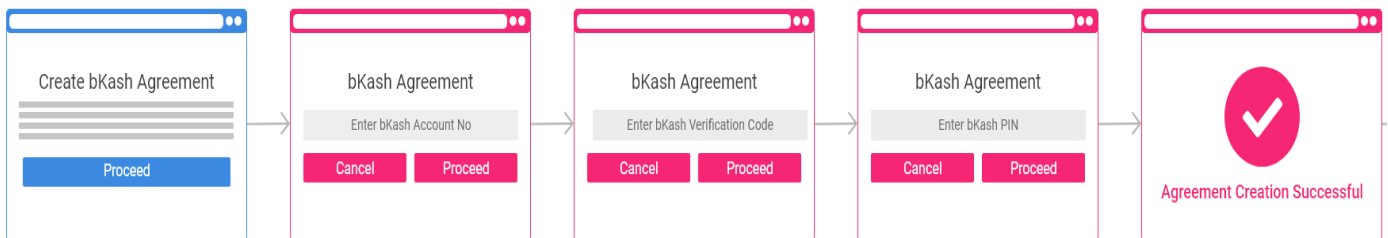
### User Experience:

The users of the service platform can avail this tokenized checkout experience if they make the agreement; otherwise they will have the similar experience like regular checkout. See attachment for sample user journey/experience.

### Step 1 - Create Agreement Flow:

In order to avail this experience, customers have to provide agreement in merchant website or mobile app beforehand. Agreement Creation is a one-time process through which customers give consent that they would like the merchant site to remember his/her bKash Account information.

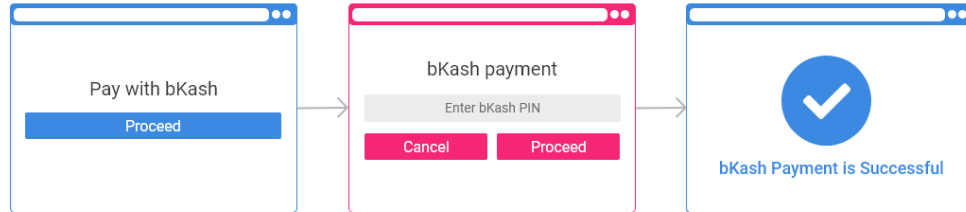
Basing on customers' agreement, bKash will issue "**A token/ Agreement ID**". The token/ Agreement ID for a customer will be unique to your merchant website or mobile app.



*Image 1: Agreement Creation Flow*

**Step 2 – Payment Flow:**

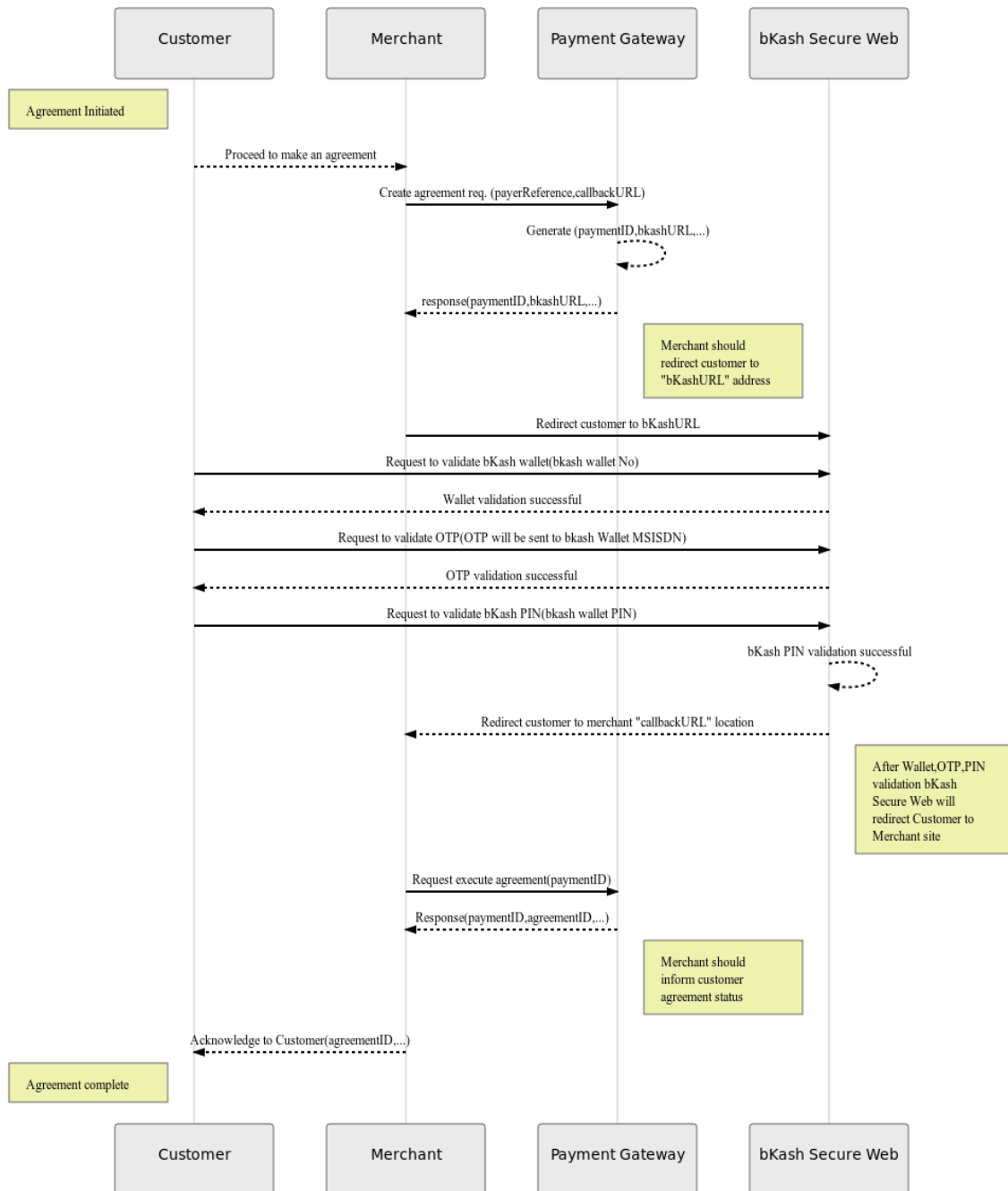
***In future***, whenever the customer selects bKash as payment option from your website or mobile app upon successful validation of the previously generated token/Agreement ID, customers can complete the transaction with PIN input only.



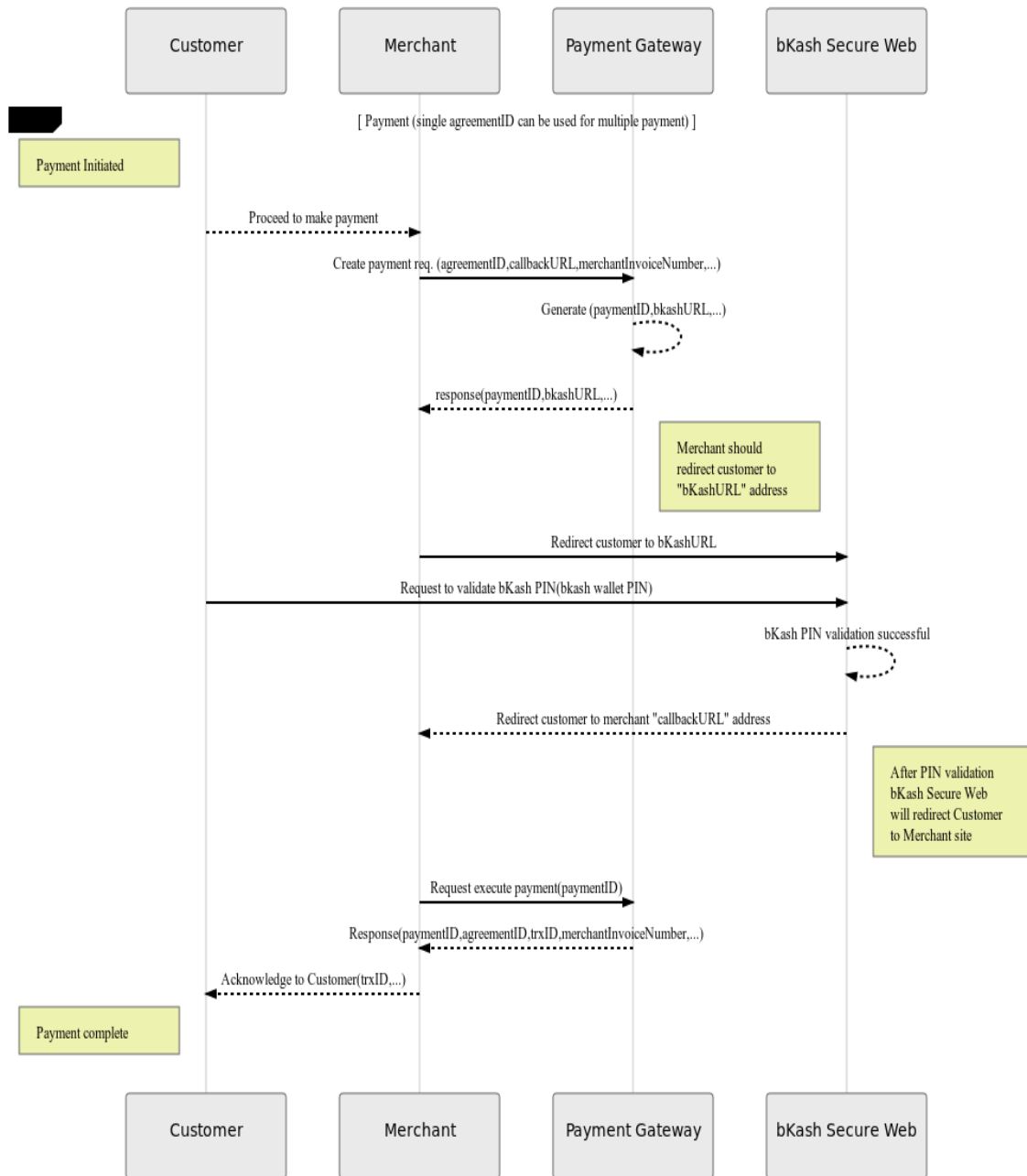
*Image 2: bKash Payment Flow with Tokenized Checkout*

## Flow Diagram:

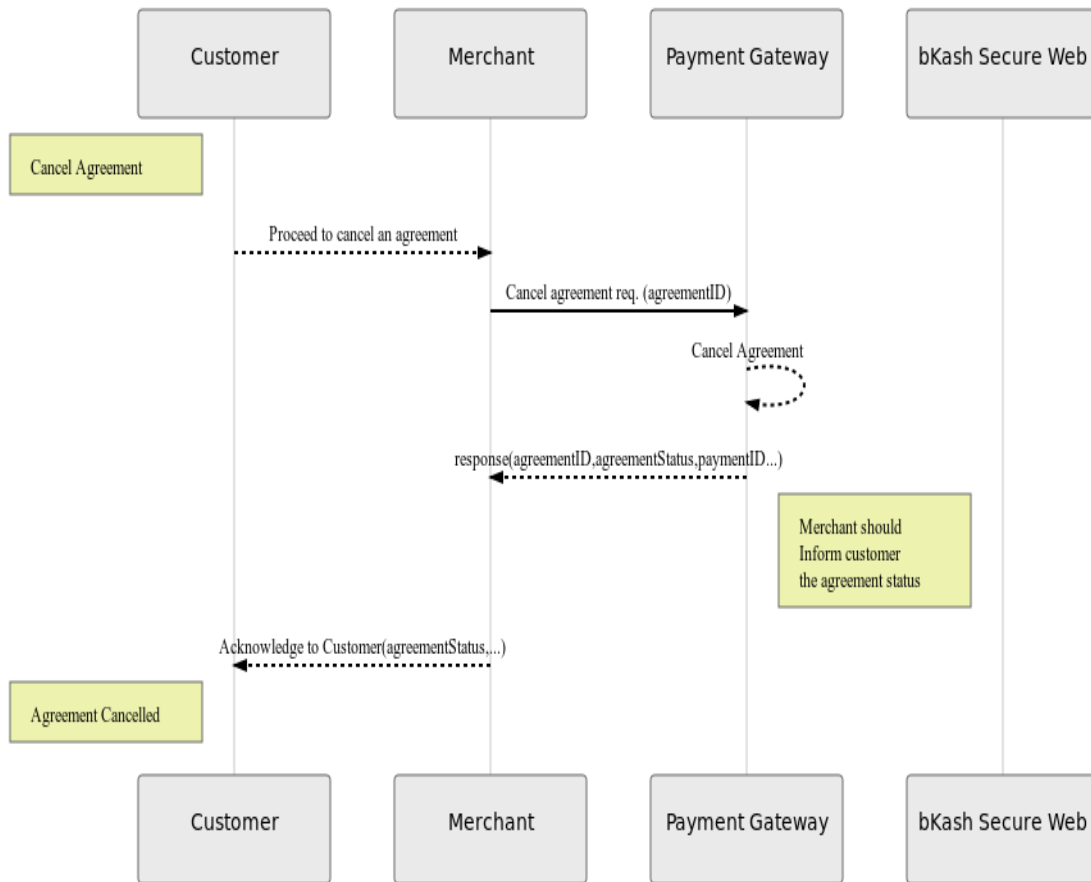
### Create Agreement Flow Diagram:



## Payment Flow Diagram:



### Cancel Agreement Diagram:



Currently There are four sub-categories of **bKash Tokenized Checkout API**. They are –

- 1) **Token**
- 2) **Agreement**
- 3) **Payment**
- 4) **Supporting**

During merchant on-boarding, bKash shares the following information with the merchant -

1. App Key (X-APP-Key / **app\_key**),
2. App Secret (**app\_secret**),
3. **Username** and
4. **Password**

All these four information will be enough to call the Grant Token API and get a new token. All of the business APIs (**Agreement**, **Payment** and **Supporting**) requires these two fields in the request header:-

- 1) **Authorization**
- 2) **X-APP-Key**

Authorization header's value can be obtained from the **Token > Grant Token** API call's response. From the response, the '**id\_token**' field value should be used as Authorization header.

## Token

### Grant Token

Get a new token to be used in the authorization header of all business APIs. This gateway API wish allows a token to call other API.

### Request Parameters

Parameter	Description	Content	Data Type	M/O
<b>app_key</b>	Shared during on-boarding	<i>body</i>	String	M
<b>app_secret</b>	Shared during on-boarding	<i>body</i>	String	M
<b>username</b>	Shared during on-boarding	<u><i>header</i></u>	String	M
<b>password</b>	Shared during on-boarding	<u><i>header</i></u>	String	M

### ➤ Sample Request

```
curl --request POST \
  --url https://tokenized.sandbox.bka.sh/v1.2.0-beta/tokenized/token/grant \
  --header 'password: password' \
  --header 'username: user' \
  --data '{"app_key": "my_app_key", "app_secret": "my_app_secret"}'
```

Note: Please point to the latest APIs in your case

### Response Parameters

Parameter	Description
<b>token_type</b>	-
<b>id_token</b>	Used as the authorization header in business APIs (Agreement, Payment & Supporting)
<b>expires_in</b>	Lifetime of a token (in seconds)
<b>refresh_token</b>	Used in the 'refresh_token' field body parameter of Token>Refresh Token API call to get a new token

### Sample Response



### Refresh Token

Get a new token using the existing one.

### Request Parameters

Parameter	Description	Content	Data Type	M/O
<b>app_key</b>	Shared during on-boarding	<i>body</i>	String	M
<b>app_secret</b>	Shared during on-boarding	<i>body</i>	String	M
<b>refresh_token</b>	'refresh_token' field value of the existing token object	<i>body</i>	String	M
<b>username</b>	Shared during on-boarding	<u>header</u>	String	M
<b>password</b>	Shared during on-boarding	<u>header</u>	String	M

### Sample Request

```
curl --request POST \  
  --url https://tokenized.sandbox.bka.sh/v1.2.0-beta/tokenized/token/refresh \  
  --header 'password: password' \  
  --header 'username: user' \  
  --data '{"app_key":"my_app_key","app_secret":"my_app_secret","refresh_token":"refres  
h_token_value"}'
```

Note: Please point to the latest APIs in your case

### Response Parameters

Parameter	Description
<b>token_type</b>	-
<b>id_token</b>	Used as the authorization header in business api calls
<b>expires_in</b>	Lifetime of a token (in seconds)
<b>refresh_token</b>	Used in the 'refresh_token' field body parameter of Token>Refresh Token API call to get a new token

## Sample Response

```
{
  "token_type": "Bearer",
  "id_token":
"eyJraWQiOiJwSTZjWUx0d3daOXNQV3BUZDBLVzkydTlsejFaaFlrbU9EMUFXcE9wTWp3PSIsImFsZyI6IiJTMjU2In0.eyJzdWIiOiI3ZGVjZmZiMC1lNmJkLTRLlYzMTODVjZC0wYThkNWJmZThkOTIiLCJhdWQiOiJhdmZvZnMxMmltZWgzdDBsbmRqNmQ0cmNpIiwiaWF0IjoiI5MTM4OGRkYy0wZDc4LWVhZDQ3MS0wM2YwZmM4M2RmNjciLCJ0b2tlb191c2UiOiJpZCIsImF1dGhfdGltZSI6MTU0NjMxNDcwOSwiaXNzIjoiaHR0cHM6XC9cL2NvZ25pdG8taWRwLmFwLXNvdXRoZWZzdC0xLmFtYXpvc2V5YjB2L2FwLXNvdXRoZWZzdC0xX0hZNTA4UmVwdSIsImNvZ25pdG86dXNlcm5hbWUiOiJ0b2tlbm16ZWRVc2VyMDEiLCJleHAiOiJlNDYzMTg3OTksImhhdCI6MTU0NjMxNTE5OX0.PwkjiipHowEtEPKHAatqhkTnRi7NdjzH90g2RcmIZLAdwLhkwpNALtesoDvR_oHesPrDym5cO2dtB5Bdb8Ci3HH-vOTiuF1Y2HiYXSW7xTt05FnrvjIiyem-lRej5HcAbZx96a8ttnsVTIffhvwCW-f_3B06IW57am8cebEnWNX1rNVLTB6veU7FEqN4LG25dywYg5FVfEiKikYXVJf1FGiq6N9cC-uzndmxkR_IiFRKtWjiZb1C8wUO-x0SgLO2dC1sxdBo8Hh00Ie-ewGwakh7wk7NoSFE1LiFMYmmqhNI4S9gVgEPDG_dTDDofpn5TG-Z_etY9I_dWZYORC7GkQw ",
  "expires_in": 3600,
  "refresh_token":
"eyJjdHkiOiJKV1QiLCJlbmMiOiJBMjU2R0NNIiwiaWxnIjoiUlNBLU9BRVAifQ.GuCEzul5dKsSQ8sf9_eqeVxp10aeb42g3IMULRDJNHbt_cZsfla1VqMdmLq1th-wRQUCPB3yJ171431D4_t1PXIQUy7Os6cugTD7VaQmNc4_8ztttttoqrG9gxWyaqIPIjQx5BAHH5YEkh6Bn6OGtpfQRsNM_MgUJ9FrSRNQsW2qM4cJ1gG63i3MLCQAbwGFBG3qd9JXch5ESXJfjgtvv2kd08H6h5W9rCwJ_Odg911e-dU1meah3suuiW0mBJkahYlRq1QdTioEf7F1BckYzqNx1MpJBpY4n1TFW1hADwj19KSv5IemYuA5DNdsfm4eBrjVQHQv-JX5dN4Hrq-lwA.9euQK2GIiHVaeGWR.9Sylz8Szdyl7vRxxgB9QrLxYF7bGKmXx2uvlYpOCBJzmiobSGIHE5gX_3U6E-ixRD0P05ZXh2Js8yC7YfgScvotek3EhmaAYVw5yLqUvD8u3RY0pAxxpQakDggqXqfzHLaFoZIRHihS4DIdyM0rC3LuHKqTeQ0q5JdzKOFJvBmp81REteGvm1eEf2vgk_0kJwz7zBztNJEp2E5ENFObVlwy5zk_szx1CtJcLU_QUWJqA3n-OAEhH1Fxb_lGomJ1FO39p7v7L31mIkAYKwbdZpDdfaWlpSvvdvAi_ivmVfjiwOVRgYPbJ7E_loQjWh7wAONhbqr1Qq0HDMFfCsQiINXQfyycJPTTHiOqxqODE9t3B4vrpdbhSulH4iuNfP91f-Eox3sxilywCQvQGMOzdfnx6Vy_KmNaO-By2zGWwF9UuOwom5LtdLA4dhq_4xFFJ10X1F18CJtsZ8Q2hZqgvXsDTTijj6RWu97DwZVYtc2L1W3FHegpCw31FKnx9oCjU1VgzOw0Ld8_ipn3qDED1OeHM7wt0JNfomQ1j0OMJBpYaVEzGQ_7sSkKnoiZiXmDzTcJXIFcpcspGrHNm02cpWR4XRR-z8GIT6cDDb1ZPHREXDFGetRM-6Bd8RHqzEV1Kp8E2PkYMQGNrUBv27v9kHR8I6Jy5v8EqZQm5QU3JQHR9LDOLn3sc5vGvvt1Y9m_xBwwawBVGgTnpaQBPxrgIoS7yCWpDd9W6lZMmr415X4mNaY5KLJNPkEd96rFfpYvLyjbe-otToZV1T1bTkDeN4x8G7FCIoNBGALCWNDb2mAd1BXpo9ASzPEjtamFEL64ydbmBV_Z86sXoPIz_D1JVLEVEe9v acBXxospSzx76ifUNLWkuu9jbxXeZZUa7jOUpfOfNKIQoU3wQ9q1rghnJMIIdLxa0kADcXxOyQZ1K0eb3Jegj11aJengWi-X5veHaTtzBSfpqCqKiifJrWmPhHYbyi6uFIBiET_7KxXlxNnQ-7SE2JJsavPOxyHSRRrdJW8wWw0aElgtjHm4QqRc1aqApcY4iLkmzwBuTGzVOoOWutiDi7Bbk_kwWeOgYefhZoKcnIcklMWFJcME2CDM_qN5dULARWkK63gxrQynd6xrhLUk1Kq1Gc8DiUHE031aEipAdZRG7NwEx8Gcsg6lLxcOCjDezbE_S7nnsIU53yoeEoObfxvIHtZlul7jV1uQAQLBIAcBGiZ1W-7J1IOghpTTMaYxN8CawJHlypCVWt1a5TJ2zCD-4IYz5o-MuvqR4WnoJZ_uxyxaecxJiZ8Lv6hFhktSrE_y23pr.93uhajbmNIRFVx8poQogPg "
```

Tokenized Checkout product has to basic section –

1. Agreement
2. Payment

**\*\*\* Without a successful agreement Payment section will fail.**

## Agreement

### Create Agreement

First API call of bKash Tokenized Checkout process is “**create agreement**”

### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>payerReference</i>	Customer reference in merchant site, it could be merchant phone no or any kinds of user identification.	<i>body</i>	String	M
<i>callbackURL</i>	This will be merchant site end point where bKash secure web redirect user to this end point after successful agreement	<i>body</i>	String	M

### Sample Request

```
{  
  "payerReference": "01932461580",  
  "callbackURL": "www.merchant.site/callbackurl/toBeRedirected/from/bKashSecureWeb"  
}
```

## Response Parameters

Parameter	Description
<i>statusCode</i>	"0000" for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, "Successful" for successful operation.
<i>paymentID</i>	Automatically generated Payment ID from the system (by payment id we mean system generated unique number. It's not the actual transaction id). Re-used in Execute Agreement API request.  ***For Agreement paymentID will contain a prefix of "AG"
<i>payerReference</i>	Payer Reference sent by merchant in request body and same payerReference will be sent back in response.
<i>bkashURL</i>	For successful execution merchant have to redirect user to this URL for bKash Wallet, OTP and PIN verification. Merchant have to check null value of this URL for failure or other case
<i>agreementCreateTime</i>	Agreement create request initiate time.
<i>agreementStatus</i>	Agreement Status. Value - 'Initiated' after a successful Create Agreement call
<i>callbackURL</i>	The Same CallBack URL merchant provide in request body
<i>successCallbackURL</i>	For bKash Wallet, OTP and PIN validation bKash secure web will redirect user to this URL (aka bKash will redirect user control to this merchant site URL.
<i>failureCallbackURL</i>	In agreement creation process for any failure agreement bKash secure web will redirect user to this URL (aka bKash will redirect user control to this merchant URL.
<i>cancelledCallbackURL</i>	In agreement creation process for any cancel agreement bKash secure web will redirect user to this URL (aka bKash will redirect user control to this merchant URL.

## Sample Response

```
{
  "statusCode": "0000",
  "statusMessage": "Successful",
  "paymentID": "AGRWG331546317973328",
  "payerReference": "019912123",
  "bkashURL":
  "https://secureweb.bka.sh./redirect/tokenized/?paymentID=AGRWG331546317973328&hash=EnpbrirEeYBtYF!.hdX.VaJJVO1546317976591&type=Agreement",
  "agreementCreateTime": "2019-01-01T04:46:16:590 GMT+0000",
  "agreementStatus": "Initiated",
  "callbackURL": "www.CallbackUrl.com",
  "successCallbackURL": "www.CallbackUrl.com?paymentID=AGRWG331546317973328&execute=Agreement&status=success",
  "failureCallbackURL": "www.CallbackUrl.com?paymentID=AGRWG331546317973328&execute=Agreement&status=failure",
  "cancelledCallbackURL": "www.CallbackUrl.com?paymentID=AGRWG331546317973328&execute=Agreement&status=cancel"
}
```

## Execute Agreement

### Pre-requisite:

1. Merchant will call “create agreement” API and got bKashURL
2. Redirect Customer to bKash URL
3. Customer successfully validate his bKash Wallet, OTP and PIN and
4. bKash secure web redirect customer to merchant callback success URL with proper query string.

### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>paymentID</i>	paymentID obtained from Create Payment Response	<i>body</i>	String	M

### Sample Request

```
{  
  "paymentID": " AGRWG331546317973328"  
}
```

### Response Parameters

Parameter	Description
<i>statusCode</i>	“0000” for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, “Successful” for successful operation.
<i>paymentID</i>	Payment ID. This is the correlation ID for maintain a mapping between create agreement and execute agreement
<i>agreementID</i>	If bKash wallet user complete a successful validation of his bKash Wallet, OTP and PIN then this agreementID will be generate. For a successful agreement merchant should store this agreementID with his payer reference. Merchant will request bKash Secure web for payment with this agreementID from the next time.
<i>payerReference</i>	payerReference is the same value when merchant request “create agreement”.
<i>agreementExecuteTime</i>	Agreements execute request complete time.
<i>agreementStatus</i>	Agreements Status. If value - ‘Completed’ on that case merchant will get a <i>agreementID</i>

## Sample Response

```
{
  "statusCode": "0000",
  "statusMessage": "Successful",
  "paymentID": "AGRWG331546317973328",
  "payerReference": "019912123",
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233",
  "agreementExecuteTime": "2019-01-01T04:46:16:590 GMT+0000",
  "agreementStatus": "Completed ",
}
```

\*\*\* Note that, you cannot call Execute Agreement, until you got success response from bKash secure web after bKash Wallet user validate Wallet, OTP, PIN and response.

## Payment

### Create Payment

Create Payment is the first API call of bKash Tokenized Checkout **[Payment]** process. Only possible to initiate tokenized checkout payment if and only if a successful Agreement completed

### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>agreementID</i>	agreementID obtained from Execute Agreement Response	<i>body</i>	String	M
<i>amount</i>	Valid Amount	<i>body</i>	String	M
<i>currency</i>	BDT	<i>body</i>	String	M
<i>intent</i>	<b>Sale</b> [currently tokenized checkout only support sale.	<i>body</i>	String	M
<i>merchantInvoiceNumber</i>	Merchant generated unique reference / invoice number	<i>body</i>	String	M
<i>callbackURL</i>	This will be merchant site end point where bKash secure web redirect user to this end point after successful PIN validation after then Merchant have to call execute payment for final payment authorization.	<i>body</i>	String	M

## Sample Request

```
{  
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233",  
  "amount": "50",  
  "currency": "BDT",  
  "intent": "sale",  
  "merchantInvoiceNumber": " mINV00002",  
  "callbackURL": "www.merchant.site/callbackurl/toBeRedirected/from/bKashSecureWeb"  
}
```

## Response Parameters

Parameter	Description
<i>statusCode</i>	"0000" for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, "Successful" for successful operation.
<i>paymentID</i>	Payment ID. This is the correlation ID for maintain a mapping between create payment and execute payment. Prefix of payment will be "PAY"
<i>agreementID</i>	If bKash wallet user complete a successful validation of his bKash Wallet, OTP and PIN then this agreementID will be generate. For a successful agreement merchant should store this agreementID with his payer reference. Merchant will request bKash Secure web for payment with this agreementID from the next time.
<i>paymentCreateTime</i>	format – ( yyyy-MM-dd'T'HH:mm:ss 'GMT'Z )
<i>transactionStatus</i>	Transaction Status. Value - 'Initiated' after a successful call
<i>amount</i>	Amount
<i>currency</i>	Currency. Value – 'BDT' (fixed)
<i>intent</i>	Value – 'sale' (currently tokenized checkout only support Sale.
<i>merchantInvoiceNumber</i>	Merchant Invoice Number
<i>bkashURL</i>	For successful execution merchant have to redirect user to this URL for bKash PIN verification. Merchant have to check null value of this URL for failure or other cases.
<i>callbackURL</i>	The Same CallBack URL merchant provide in request body.
<i>successCallbackURL</i>	For successful PIN validation, bKash secure web will redirect user to this URL (aka bKash will redirect user control to this merchant site URL).
<i>failureCallbackURL</i>	In bKash wallet PIN validation process for any failure cases bKash secure web will redirect user to this URL (aka bKash will redirect user control to this URL).
<i>cancelledCallbackURL</i>	In bKash wallet PIN validation process for any cancel operation bKash secure web will redirect to this URL (aka bKash will redirect user control to this URL)

## Sample Response

```
{
  "statusCode": "0000",
  "statusMessage": "Successful",
  "paymentID": "PAYW942F1546251355272",
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233",
  "paymentCreateTime": "2019-12-31T10:15:59:932 GMT+0000",
  "transactionStatus": "Initiated",
  "amount": "50",
  "currency": "BDT",
  "intent": "sale",
  "merchantInvoiceNumber": "demo15243",
  "callbackURL": " www.merchant.site/callbackurl/toBeRedirected/from/bKashSecureWeb ",
  "successCallbackURL": "
www.CallbackUrl.com?paymentID=PAYW942F1546251355272&execute=Payment&status=success",
  "failureCallbackURL": "
www.CallbackUrl.com?paymentID=PAYW942F1546251355272&execute=Payment&status=failure",
  "cancelledCallbackURL": "
www.CallbackUrl.com?paymentID=PAYW942F1546251355272&execute=Payment&status=cancel",
  "bkashURL": "https://
https://secureweb.bka.sh./redirect/tokenized/?paymentID=PAYW942F1546251355272&hash=Vd9
4LOtLMTFyiPbKQaJMXVDadnKMDmd2MFDNyPy21ONu98QzmStkungEToa (-
efYAKf2Hh_9Jbu9aGXzA5NuchZ55UJRKE7BohS91546251359950&type=Payment"
}
```

## Execute Payment

### Pre-requisite:

1. Successful Agreement (“**agreementID**” available with merchant)
2. Create Payment API call successful (“**paymentID**” available in create payment API response)

### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>paymentID</i>	paymentID obtained from Create Payment Response	<i>body</i>	String	M

### Sample Request

```
{
  "paymentID": " PAYW942F1546251355272"
}
```

## Response Parameters

Parameter	Description
<i>statusCode</i>	"0000" for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, "Successful" for successful operation.
<i>paymentID</i>	PaymentID. Can be re-used in Query Payment request after successful call.
<i>agreementID</i>	Agreement ID of the payment initiator.
<i>paymentExecuteTime</i>	format – ( yyyy-MM-dd'T'HH:mm:ss 'GMT'Z )
<i>trxID</i>	The actual transaction id
<i>transactionStatus</i>	Transaction Status. Value - 'Completed' if Create Payment intent was 'sale'; 'Authorized' if intent was 'authorization'
<i>amount</i>	Amount
<i>currency</i>	Currency. Value – 'BDT' (fixed)
<i>intent</i>	Value – 'Sale'
<i>merchantInvoiceNumber</i>	Merchant Invoice Number

## Sample Response

```
{  
  "statusCode": "0000",  
  "statusMessage": "Successful",  
  "paymentID": "PAYW942F1546251355272",  
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233",  
  "paymentExecuteTime": "2019-12-31T10:15:59:932 GMT+0000",  
  "trxID": "EA8KA14X8V",  
  "transactionStatus": "Completed",  
  "amount": "50",  
  "currency": "BDT",  
  "intent": "sale",  
  "merchantInvoiceNumber": "mINV00002"  
}
```

## Supporting API

### Cancel Agreement

#### Pre-requisite:

1. Successful Agreement (“**agreementID**” available with merchant)

#### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>agreementID</i>	agreementID obtained from Execute Agreement Response	<i>body</i>	String	M

#### Sample Request

```
{  
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233"  
}
```

#### Response Parameters

Parameter	Description
<i>statusCode</i>	“0000” for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, “Successful” for successful operation.
<i>paymentID</i>	PaymentID. This is the same paymentID which used for agreement cration. This PaymentID can be re-used in Query Payment request.
<i>agreementID</i>	Agreement ID of the payment initiator.
<i>payerReference</i>	The same payerReference used for agreement creation.
<i>agreementVoidTime</i>	format – ( yyyy-MM-dd'T'HH:mm:ss 'GMT'Z )
<i>agreementStatus</i>	Transaction Status. Value -Cancelled ‘ if Create Payment intent was ‘sale’; ‘Authorized’ if intent was ‘authorization’

#### Sample Response

```
{  
  "statusCode": "0000",  
  "statusMessage": "Successful",  
  "paymentID": "PAYW942F1546251355272",  
  "agreementID": "TokenizedMerchant0136HXV1X1546251271233",  
  "agreementVoidTime": "2019-12-31T10:15:59:932 GMT+0000",  
  "payerReference": "01932461580",  
  "agreementStatus": "Completed"  
}
```

## Search Transaction

### Pre-requisite:

1. Successful Payment (execute payment api got success with trxID)

### Request Parameters

Parameter	Description	Content	Data Type	Mandatory /Optional
<i>Authorization</i>	id_token obtained from AccessToken/RefreshToken API	<i>header</i>	String	M
<i>X-APP-Key</i>	Shared during on-boarding	<i>header</i>	String	M
<i>trxID</i>	trxID obtained from Execute Payment Response	<i>body</i>	String	M

### Sample Request

```
{  
  " trxID": "EA8KA14X8V"  
}
```

### Response Parameters

Parameter	Description
<i>statusCode</i>	"0000" for successful execution. [Please check Status code section below]
<i>statusMessage</i>	Status message, "Successful" for successful operation.
<i>trxID</i>	trxID available in the response of a successful execute payment.
<i>amount</i>	Amount
<i>currency</i>	Currency. Value – 'BDT' (fixed)
<i>completedTime</i>	format – ( yyyy-MM-dd'T'HH:mm:ss 'GMT'Z )
<i>customerMsisdn</i>	bKash wallet no.
<i>initiationTime</i>	format – ( yyyy-MM-dd'T'HH:mm:ss 'GMT'Z )
<i>organizationShortCode</i>	Organization short code
<i>transactionReference</i>	Most of the case payment through bkash payment will contain any data.
<i>transactionStatus</i>	For successful transaction status will be "Completed"
<i>transactionType</i>	Transaction Type

### Sample Response

```
{
  "statusCode": "0000",
  "statusMessage": "Successful",
  "trxID": "6A2401AD96",
  "amount": "10",
  "currency": "BDT",
  "completedTime": "2019-01-02T15:01:32:000 GMT+0600",
  "customerMsisdn": "8801770618575",
  "initiationTime": "2019-01-02T15:01:32:000 GMT+0600",
  "organizationShortCode": "50011",
  "transactionReference": "",
  "transactionStatus": "Completed",
  "transactionType": "Disbursement via API",
}
```

### Error Code and Message

Error Code	Error Message
2001	Invalid App Key
2002	Invalid Payment ID
2003	Process Failed
2006	Invalid amount.
2007	Invalid currency.
2008	Invalid intent.
2025	Invalid Request Body
2033	Transaction Not Found
2044	Invalid Payer Reference
2045	Invalid Merchant Callback URL
2046	Agreement already exists between payer and merchant
2047	Invalid Agreement ID
2049	Agreement is in incomplete state
2050	Agreement has already been cancelled
2051	Agreement execution pre-requisite hasn't been met
2052	Invalid Agreement State
2053	Invalid Payment State
2054	Payment execution pre-requisite hasn't been met
2055	This action can only be performed by the agreement or payment initiator party
2056	The payment has already been completed
2057	Not a bKash Wallet