

ASPI - BI Developer Site Test Guideline

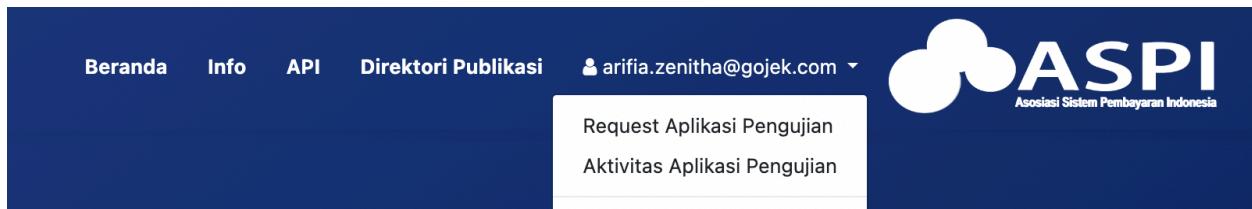
Midtrans - BI-SNAP integration

General information

- Developer site URL: <https://apidevportal.aspi-indonesia.or.id/>

Preparation

- Merchant will need to first sign up in ASPI Developer Site to create an account
- Once signed up, merchant needs to request for Aplikasi Pengujian



- Merchant should submit the request by filling in the information below:

A screenshot of the "Submit Request Aplikasi Pengujian" form. It has three input fields: "Nama Aplikasi" (with placeholder "masukan nama aplikasi."), "Deskripsi Aplikasi" (with placeholder "masukan informasi/uraian singkat terkait fitur aplikasi seperti nama service dan lain sebagainya."), and "Kategori" (with placeholder "A. Kategori 1"). Below these fields is a note: "Aplikasi pengujian Open API Pembayaran berbasis SNAP hanya dapat digunakan dan diakses oleh :" followed by three numbered points: 1. Pengembang Open API Pembayaran berbasis SNAP dari Penyedia Layanan dan/atau calon Penyedia Layanan. (Kategori 1) 2. Pengembang Open API Pembayaran berbasis SNAP dari Pengguna Layanan dan/atau calon Pengguna Layanan. (Kategori 2) 3. Pengembang sistem, aplikasi, dan/atau perangkat yang digunakan dalam Open API Pembayaran ber basis SNAP. (Kategori 3)

- Merchant should choose the category as follows:

- If merchant is also integrating with Direct Debit Payment Notify API and QRIS MPM Payment Notify API (<https://docs.midtrans.com/reference/payment-notification-api>), merchant should choose **D. Kategori 1 & 2**

D. Kategori 1 & 2

- If merchant is not integrating with Payment Notify API, merchant should choose **B. Kategori 2**

B. Kategori 2

- After submitting the request, merchant should wait until the request is approved by ASPI
- Once approved, merchant should see this information in the same page

Request Aplikasi Pengujian

No	App Info	Status	Valid	Option
1	App Name Midtrans App Desc Bergerak dalam bisnis Payment Gateway dimana Midtrans menyediakan layanan kepada merchant untuk dapat melakukan pembayaran menggunakan metode pembayaran yang sudah terintegrasi dengan Midtrans Client Id  Client Secret  Public Key  Private Key 	active	Dec 28, 2022	+ Request Extend

7. Client id, client secret, public key, and private key stated here can be used by merchant to do the testing in the developer site

Sub APIs to be tested

Depending on the APIs that merchant is integrating, merchants need to do testing for each of the APIs in developer site.

GoPay Tokenization API list

Subtype	Use case	API name	Bank Indonesia service code	API path	ASPI BI developer site URL	Midtrans API doc URL	Corresponding API in Midtrans legacy core API
All	All	Access Token B2B	73	/{version}/access-token/b2b	https://apidevportal.aspi-indonesia.or.id/api-service/s/keamanan	https://docs.midtrans.com/reference/access-token-api	N/A
	Linking	Get Auth Code	10	/{version}/get-auth-code	https://apidevportal.aspi-indonesia.or.id/api-service/s/registrasi	https://docs.midtrans.com/reference/get-auth-code-api	Create Pay Account API
	Linking	Registration Account	07	/{version}/registration-account-binding	https://apidevportal.aspi-indonesia.or.id	https://docs.midtrans.com/reference/	Create Pay Account API

		Binding			d/api-service/s/registrasi	binding-api	
	Linking	Binding Inquiry	08	/{version}/registration-account-inquiry	https://apidevportal.aspi-indonesia.or.id/api-service/s/registrasi	https://docs.midtrans.com/reference/binding-inquiry-api	Get Pay Account API
	Unbinding	Unbinding	09	/{version}/registration-account-unbinding	https://apidevportal.aspi-indonesia.or.id/api-service/s/registrasi	https://docs.midtrans.com/reference/unbind-api	Unbinding API
Non Pre-Auth	Payment	Direct debit payment	54	/{version}/debit/payment-host-to-host	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/direct-debit	https://docs.midtrans.com/reference/direct-debit-api-gopay-tokenization	Charge API
	Payment	Refund	58	/{version}/debit/refund	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/direct-debit	https://docs.midtrans.com/reference/refund-api	Refund API
	Payment	Cancel	57	/{version}/debit/cancel	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/direct-debit	https://docs.midtrans.com/reference/cancel-api	Cancel API
	Payment	Status	55	/{version}/debit/status	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/direct-debit	https://docs.midtrans.com/reference/get-transaction-status-api	Get Transaction Status API
Pre-A	Pay	Auth	63	/{version}/auth	https://apidevportal.aspi-indonesia.or.id/api-service/s/registrasi	https://docs.midtrans.com/reference/charge-api	Charge API

uth	ment	Paymen t		/payment	vportal.aspi-indonesia.or.id/api-service/s/transfer-debit/auth-payment	midtrans.com/reference/auth-payment-api-gopay-tokenization	
	Pay ment	Capture	65	/{version}/auth/capture	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/auth-payment	https://docs.midtrans.com/reference/auth-payment-api-gopay-tokenization	Capture API
	Pay ment	Refund	69	/{version}/auth/refund	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/auth-payment	https://docs.midtrans.com/reference/refund-api	Refund API
	Pay ment	Cancel	67	/v1.0/auth/void	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/auth-payment	https://docs.midtrans.com/reference/cancel-api	Cancel API
	Pay ment	Status	64	/{version}/auth/query	https://apidevportal.aspi-indonesia.or.id/api-service/s/transfer-debit/auth-payment	https://docs.midtrans.com/reference/get-transaction-status-api	Get Transaction Status API

GoPay Deeplink API list

Use case	API name	Bank Indonesia service	API path	ASPI BI developer site URL	API spec URL	Corresponding API in Midtrans legacy core

		code				API
All	Access Token B2B	73	/{version}/access-token/b2b	https://apidevportal.aspi-indonesia.or.id/api-services/keamanan	https://docs.midtrans.com/refernce/access-token-api	N/A
Payment	Direct debit payment	54	/{version}/debit/payment-host-to-host	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-debit/direct-debit	https://docs.midtrans.com/refernce/direct-debit-api-gopay-tokenization	Charge API
Payment	Refund	58	/{version}/debit/refund	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-debit/direct-debit	https://docs.midtrans.com/refernce/refund-api	Refund API
Payment	Cancel	57	/{version}/debit/cancel	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-debit/direct-debit	https://docs.midtrans.com/refernce/cancel-api	Cancel API
Payment	Status	55	/{version}/debit/status	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-debit/direct-debit	https://docs.midtrans.com/refernce/get-transaction-status-api	Get Transaction Status API

GoPay QRIS API list

Use case	API name	Bank Indonesia service code	API path	ASPI BI developer site URL	API spec URL	Corresponding API in legacy core API
All	Access Token	73	/{version}/access-token/b2b	https://apidevportal.aspi-indonesia.or.id	https://docs.midtrans.com/refernce	N/A

	B2B			https://asia.or.id/api-services/keamanan	https://docs.midtrans.com/reference/access-token-api	
Payment	QR MPM Generate	47	/{version}/qr/qrcode	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/mpm	https://docs.midtrans.com/reference/mpm-api-qrjs	Charge API
Payment	Refund	78	/{version}/qr/qrcode-refund	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/mpm	https://docs.midtrans.com/reference/refund-api	Refund API
Payment	Cancel	77	/{version}/qr/qrcode-cancel	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/mpm	https://docs.midtrans.com/reference/cancel-api	Cancel API
Payment	Status	51	/{version}/qr/qrcode-query	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/mpm	https://docs.midtrans.com/reference/get-transaction-status-api	Get Transaction Status API

Virtual Account API list

Use case	API name	Bank Indonesia service code	API path	ASPI BI developer site URL	API spec URL	Corresponding API in legacy core API
All	Access Token B2B	73	/{version}/access-token/b2b	https://apidevportal.aspi-indonesia.or.id/api-services/keamanan	https://docs.midtrans.com/reference/access-token-api	N/A
Payment	Create VA	27	/{version}/transfer-va/create-va	https://apidevportal.aspi-indonesia.or.id/api-se	https://docs.midtrans.com/reference/virtual-ac	Charge API

				<u>rvices/transfer-kredit/virtual-account</u>	<u>count-api-bank-transfer</u>	
Pay ment	Cancel	31	/{version}/trans fer-va/delete-va	<a href="https://apidevportal.aspi-indonesia.or.id/api-se
rvices/transfer-kredit/virtual-ac
count">https://apidevport al.aspi-indon esia.or.id/api-se rvices/transfer- kredit/virtual-ac count	<a href="https://docs.m
idtrans.com/refe
rence/cancel-a
pi">https://docs.mi dtrans.com/refe rence/cancel-a pi	Cancel API
Pay ment	Status	26	/{version}/trans fer-va/status	<a href="https://apidevport
al.aspi-indon
esia.or.id/api-se
rvices/transfer-
kredit/virtual-ac
count">https://apidevport al.aspi-indon esia.or.id/api-se rvices/transfer- kredit/virtual-ac count	<a href="https://docs.m
idtrans.com/refe
rence/get-trans
action-status-a
pi">https://docs.mi dtrans.com/refe rence/get-trans action-status-a pi	Get Transaction Status API

IRIS API list

Use case	API name	Ban k Indo nesi a ser vi ce code	API path	ASPI BI developer site URL	API spec URL	Corresponding API in legacy IRIS API
All	Access Token B2B	73	/{version}/acc ess-token/b2b	<a href="https://apidevport
al.aspi-indon
esia.or.id/api-se
rvices/keamanan">https://apidevport al.aspi-indon esia.or.id/api-se rvices/keamanan	<a href="https://docs.m
idtrans.com/refe
rence/access-toke
n-api">https://docs.mi dtrans.com/refe rence/access-toke n-api	n/a
Bank Transfer	Externa l Accoun t Inquiry	16	/{version}/acco unt-inquiry-ext ernal	<a href="https://apidevpo
rtal.aspi-indones
ia.or.id/api-servi
ces/transfer-kre
dit/account-inqu
iry">https://apidevpo rtal.aspi-indones ia.or.id/api-servi ces/transfer-kre dit/account-inqu iry	<a href="https://docs.m
idtrans.com/refe
rence/external-acc
ount-inquiry">https://docs.mi dtrans.com/refe rence/external-acc ount-inquiry	<a href="https://docs.m
idtrans.com/refe
rence/validate-ban
k-account">https://docs.mi dtrans.com/refe rence/validate-ban k-account
Bank Transfer	Intraba nk Transfer	17	/{version}/tran sfer-intrabank	<a href="https://apidevpo
rtal.aspi-indones
ia.or.id/api-servi
ces/transfer-kre">https://apidevpo rtal.aspi-indones ia.or.id/api-servi ces/transfer-kre	<a href="https://docs.m
idtrans.com/refe
rence/intrabank-tr
ansfer">https://docs.mi dtrans.com/refe rence/intrabank-tr ansfer	<a href="https://docs.m
idtrans.com/refe
rence/create-payo
ut">https://docs.mi dtrans.com/refe rence/create-payo ut

				dit/trigger-transfer		
Bank Transfer	Interbank Transfer	18	/{version}/transfer-interbank	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/trigger-transfer	https://docs.midtrans.com/reference/interbank-transfer	https://docs.midtrans.com/reference/create-payout
Ewallet Topup	Customer Top Up Account Inquiry	37	/{version}/emoney/account-inquiry	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/customer-to-p-up-account-inquiry	https://docs.midtrans.com/reference/customer-to-p-up-account-inquiry	https://docs.midtrans.com/reference/validate-bank-account
Ewallet Topup	Customer Top Up	38	/{version}/emoney/topup	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/customer-to-p-up	https://docs.midtrans.com/reference/customer-to-p-up	https://docs.midtrans.com/reference/create-payout
Inquiry	Balance Inquiry	11	/{version}/balance-inquiry	https://apidevportal.aspi-indonesia.or.id/api-services/informasi-saldo	https://docs.midtrans.com/reference/balance-inquiry	https://docs.midtrans.com/reference/check-balance-aggregator https://docs.midtrans.com/reference/check-balance-facilitator
Inquiry	Transaction History List	12	/{version}/transaction-history-list	https://apidevportal.aspi-indonesia.or.id/api-services/riwayat-transaksi	https://docs.midtrans.com/reference/transaction-history-list	https://docs.midtrans.com/reference/transaction-history
Inquiry	Transfer Status Inquiry	36	/{version}/transfer/status	https://apidevportal.aspi-indonesia.or.id/api-services/transfer-kredit/transaction-status-inquiry-bank	https://docs.midtrans.com/reference/transfer-status-inquiry	https://docs.midtrans.com/reference/get-payout-details

Initiating the test

Calling Access Token B2B API

In order to call BI-SNAP transactional API (e.g. Direct debit API, QRIS MPM API, etc), merchant will need to pass a valid access token that can only be fetch by calling Access Token B2B API.

To call this API, merchant should first generate a asymmetrical signature.

1. Opens menu “API” and choose “Keamanan”
2. Go to menu Aplikasi Pengujian on the left side of the page
3. To generate the signature, merchant can use a pre-prepared API that ASPI has provided called “signature-auth”

Keamanan

POST /api/v1.0/utilities/signature-auth API for generate Signature at Access Token

Parameters

Try it out

Name	Description
X-TIMESTAMP * required	e.g 2020-01-01T00:00:00+07:00 string (header)
X-CLIENT-KEY * required	Please use your client id string (header)
Private_Key * required	Please use your private key to get valid rsa key string (header)

4. Click “Try it out” to start testing
5. Fill in the parameters as follows:
 - a. X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
 - b. X-CLIENT-KEY = Fill this with Client ID value that has been provided by ASPI - refer to the Aplikasi Pengujian page to see the value
 - c. Private_key = Fill this with private key value that has been provided by ASPI - refer to the Aplikasi Pengujian page to see the value

6. Click “Execute” to execute the API
 7. In return, merchant will get a response that has the signature in the response body
- Once merchant received the signature, merchant can start calling Access Token B2B API.

1. Opens menu “API” and choose “Keamanan”
2. Go to menu Aplikasi Pengujian on the left side of the page
3. Go to API /api/v1.0/access-token/b2b

Parameters		Try it out
Name	Description	
Content-Type * required	e.g application/json	
string (header)	Content-Type - e.g application/json	
X-TIMESTAMP * required	e.g 2020-01-01T00:00:00+07:00	
string (header)	X-TIMESTAMP - e.g 2020-01-01T00:00:00+07:00	
X-CLIENT-KEY * required	Please use your client id	
string (header)	X-CLIENT-KEY - Please use your client id	
X-SIGNATURE * required	e.g 7c8f0a2a7e96fb72f7ab9b675e2a42c3c6474	
string (header)	X-SIGNATURE - e.g 7c8f0a2a7e96fb72f7ab9b675e2a42c3c6474	
body * required	Example Value Model	
(body)	Parameter content type	
	<input type="button" value="application/json"/>	

4. Click “Try it out” to start testing
5. Fill in the parameters as follows:
 - a. Content-Type = Fill this in with “application/json”
 - b. X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
 - c. X-CLIENT-KEY = Fill this with Client ID value that has been provided by ASPI - refer to the Aplikasi Pengujian page to see the value
 - d. X-SIGNATURE = Fill this in with the signature value that bas been received from the signature-auth API (previous step)

- e. Body = Merchant can copy the example given by ASPI

Sample Request

```
{  
    "grantType": "client_credentials",  
    "additionalInfo": {  
        ...  
    }  
}
```

- f. Click “Execute” to execute the API
- g. In return, merchant will get a response that has the accessToken in the response body

Calling other transactional API (e.g. account registration API, direct debit API, etc)

Once merchant successfully received the valid Access Token, merchant can then start calling other APIs to initiate transaction. First merchant will need to generate a symmetric signature, this time merchant should use the pre-prepared /api/v1.0/utilities/signature-service API provided by ASPI.

1. Opens menu “API” and choose “Keamanan”
2. Go to menu Aplikasi Pengujian on the left side of the page

3. Go to API /api/v1.0/utilities/signature-service

Parameters		Try it out
Name	Description	
X-TIMESTAMP * required string (header)	e.g 2020-01-01T00:00:00+07:00 X-TIMESTAMP - e.g 2020-01-01T00:00:00+07:00	
X-CLIENT-SECRET * required string (header)	Please use your client secret X-CLIENT-SECRET - Please use your client secret	
HttpMethod * required string (header)	e.g POST HttpMethod - e.g POST	
EndpointUrl * required string (header)	e.g /bi/openapi/.. EndpointUrl - e.g /bi/openapi/..	
AccessToken * required string (header)	e.g eyJhbGcieyJqdGkiO.rRCcOp9CQwOvhbCw AccessToken - e.g eyJhbGcieyJqdGkiO.rRCcOp9CQwC	
body * required	Example Value Model	

4. Click “Try it out” to start testing

5. Fill in the parameters as follows:

- X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
- X-CLIENT-SECRET = Fill this with Client secret value that has been provided by ASPI - refer to the Aplikasi Pengujian page to see the value
- HttpMethod= Fill this in the HTTP Method of the sub APIs that merchant wants to call (e.g. POST, GET)
- EndpointUrl = Fill this in with the endpoint URL path of the sub APIs that merchant wants to call (e.g. /v1.0/registration-account-binding)
- AccessToken = Fill this in with the accessToken value that has been received from Access Token B2B API
- Body = Fill this in with the request body of the sub APIs that merchant wants to call. Merchant can get this value from the request body example that ASPI has

provided

POST /api/v1.0/registration-account-binding API Account Binding

Sample Request

```
{  
    "partnerReferenceNo": "202010290000000000000001",  
    "action": "otpLinkage",  
    "additionalData": {  
        "userId": "John Doe",  
        "email": "john.doe@email.com",  
        "postalAddress": "134346"  
    },  
    "authCode": "4b203fe6c11548bcabd8da5bb087a83b",  
    "grantType": "AUTHORIZATION_CODE",  
    "isBindAndPay": "N",  
    "lang": "EN",  
    "locale": "en_ID",  
    "merchantId": "00007100010926",  
    "subMerchantId": "310928924949487",  
    "msisdn": "+62812345678901",  
    "otp": "34564367",  
    "phoneNo": "0899345678864332",  
    "platformType": "app",  
    "redirectUrl": "merchantapp://main_page",  
    "referenceId": "08400000814-08400000814",  
    "refreshToken": "201208134b203fe6c11548bcabd8da5bb087a83b ",  
    "successParams": {  
        "accountId": "ABCD1234-EF56-GH78-IJ90-KLMN0P123456"  
    },  
    "terminalId": "TD".  
}
```

6. Click “Execute” to execute the API
7. In return, merchant will get a response that has the signature the response body

After successfully fetching the signature, merchant can then call the sub API that wants to be tested. Merchant need to pass the signature in the request as well as fill in the parameters required in the request.

For example, merchant wants to test the Account Binding API, then merchant needs to follow the steps below:

1. Opens menu “API” and choose “Keamanan”
2. Go to menu Aplikasi Pengujian on the left side of the page

3. Go to API /v1.0/registration-account-binding

Parameters		Try it out
Name	Description	
Content-Type * required string (header)	e.g application/json Content-Type - e.g application/json	
Authorization * required string (header)	Format : Bearer (access token) e.g Bearer eyJhbGciOi Authorization - Format : Bearer (access token) e.g Bear	
Authorization-Customer Customer string (header)	Mandatory at B2B2C use case. Format : Bearer (access token) e.g Bearer eyJhbGciOi Authorization-Customer - Mandatory at B2B2C use case	
X-TIMESTAMP * required string (header)	e.g 2020-01-01T00:00:00+07:00 X-TIMESTAMP - e.g 2020-01-01T00:00:00+07:00	
X-SIGNATURE * required string (header)	e.g 7c8f0a2a7e96fb72f7ab9b675e2a42c3c6474 X-SIGNATURE - e.g 7c8f0a2a7e96fb72f7ab9b675e2a42c3c6474	
ORIGIN		

4. Click “Try it out” to start testing

5. Fill in the parameters as follows:

- Content-Type = Fill in with “application/json”
- Authorization = Fill in with “Bearer” appends with accessToken value provided by the Access Token B2B API (e.g. Bearer [access token value])
- X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
- X-SIGNATURE = Fill in with the signature value provided in /api/v1.0/utilities/signature-service (previous step)
- X-PARTNER-ID = Fill in with client id value provided by API
- X-EXTERNAL-ID = Fill in with merchant’s external id - merchant can copy the example provided by ASPI
- CHANNEL-ID = Merchant can copy the example provided by ASPI

- h. Body = Merchant can copy the request body example provided by ASPI

POST /api/v1.0/registration-account-binding API Account Binding

Sample Request

```
{  
    "partnerReferenceNo": "202010290000000000000001",  
    "action": "otpLinkage",  
    "additionalData": {  
        "userId": "John Doe",  
        "email": "john.doe@email.com",  
        "postalAddress": "134346"  
    },  
    "authCode": "4b203fe6c11548bcabd8da5bb087a83b",  
    "grantType": "AUTHORIZATION_CODE",  
    "isBindAndPay": "N",  
    "lang": "EN",  
    "locale": "en_ID",  
    "merchantId": "00007100010926",  
    "subMerchantId": "310928924949487",  
    "msisdn": "+62812345678901",  
    "otp": "34564367",  
    "phoneNo": "0899345678864332",  
    "platformType": "app",  
    "redirectUrl": "merchantapp://main_page",  
    "referenceId": "08400000814-08400000814",  
    "refreshToken": "201208134b203fe6c11548bcabd8da5bb087a83b ",  
    "successParams": {  
        "accountId": "ABCD1234-EF56-GH78-IJ90-KLMN0P123456"  
    },  
    "terminalId": "TD".
```

6. Click “Execute” to execute the API

Calling Get Auth Code API (for GoPay Tokenization)

1. Opens menu “API” and choose “Keamanan”
2. Go to menu Aplikasi Pengujian on the left side of the page

3. Go to API /api/v1.0/utilities/signature-service

Parameters		Try it out
Name	Description	
X-TIMESTAMP * required string (header)	e.g 2020-01-01T00:00:00+07:00 X-TIMESTAMP - e.g 2020-01-01T00:00:00+07:00	
X-CLIENT-SECRET * required string (header)	Please use your client secret X-CLIENT-SECRET - Please use your client secret	
HttpMethod * required string (header)	e.g POST HttpMethod - e.g POST	
EndpointUrl * required string (header)	e.g /bi/openapi/.. EndpointUrl - e.g /bi/openapi/..	
AccessToken * required string (header)	e.g eyJhbGcieyJqdGkiO.rRCcOp9CQwOvhbCw AccessToken - e.g eyJhbGcieyJqdGkiO.rRCcOp9CQwC	
body * required	Example Value Model	

4. Click “Try it out” to start testing

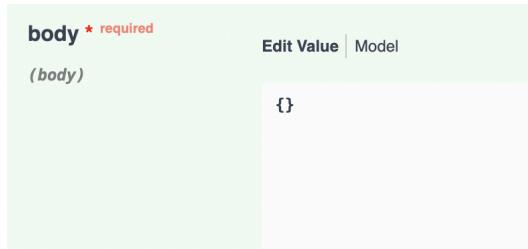
5. Fill in the parameters as follows:

- X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
- X-CLIENT-SECRET = Fill this with Client secret value that has been provided by ASPI - refer to the Aplikasi Pengujian page to see the value
- HttpMethod= Fill this in the HTTP Method of the sub APIs that merchant wants to call (e.g. POST, GET)
- EndpointUrl = Fill this in with the endpoint URL path of Get Auth Code API. **Make sure that you input the full endpoint URL with the query parameter**

EndpointUrl * required string (header)	e.g /bi/openapi/.. /api/v1.0/get-auth-code?redirectUrl=https%3A%2F%2Fd
--	---

- AccessToken = Fill this in with the accessToken value that has been received from Access Token B2B API

- f. Body = Fill this in with the request body of the sub APIs that merchant wants to call. For Get Auth Code API, merchant can fill with {}



6. Click "Execute" to execute the API
7. In return, merchant will get a response that has the signature in the response body

Quick tip

To easily get the full query parameter for Geu Auth Code API to be put in EndpointUrl, merchant can first go to Aplikasi Pengujian for Get Auth Code API
https://apidevportal.aspi-indonesia.or.id/api-services/registrasi#/Registrasi/get_api_v1_0_get_auth_code, fill in the below fields:

GET /api/v1.0/get-auth-code API Get OAuth URL

Parameters Cancel

Name	Description
redirectUrl string (query)	https://domain.com/authSuccess.json
scopes string (query)	QUERY_BALANCE,QUERY_PROFILE
state string (query)	WOdkkwijSDs

Content-Type * required string (header)	e.g application/json <input type="text" value="application/json"/>
Authorization * required string (header)	Format : Bearer (access token) e.g Bearer eyJhbGciOi <input type="text" value="Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJqdC"/>
Authorization-Customer Customer string (header)	Mandatory at B2B2C use case. Format : Bearer (access token) e.g Bearer eyJhbGciOi <input type="text" value="Authorization-Customer - Mandatory at B2B2C use case"/>
X-TIMESTAMP * required string (header)	e.g 2020-01-01T00:00:00+07:00 <input type="text" value="2020-01-01T00:00:00+07:00"/>
X-SIGNATURE * required string (header)	e.g 7c8f0a2a7e96fb72f7ab9b675e2a42c3c6474 <input type="text" value="cY5+flOCzx4b1029WNfoZx7GflNKZwophEmK44Pfxuxn"/>
ORIGIN string (header)	e.g www.yourdomain.com <input type="text" value="ORIGIN - e.g www.yourdomain.com"/>

X-PARTNER-	Please use your client id
ID * required	
string (header)	328edc277c164c5ab5518992414e7f85
X-EXTERNAL-	e.g 41807553358950093184162180797837
ID * required	
string (header)	41807553358950093184162180797837
X-IP-ADDRESS	e.g 172.24.281.24
string (header)	X-IP-ADDRESS - e.g 172.24.281.24
X-DEVICE-ID	Mandatory at B2B2C use case. e.g 09864ADCASA
string (header)	X-DEVICE-ID - Mandatory at B2B2C use case. e.g 0986
CHANNEL-ID * required	e.g 95221
string (header)	95221
X-LATITUDE	e.g -6.1617169
string (header)	X-LATITUDE - e.g -6.1617169
X-LONGITUDE	e.g 106.664394
string	

Then click “Execute”.

Scroll below and you should see the Request URL

Responses	Response content type <input type="button" value="application/json"/>
Curl	
<pre>curl -X GET "https://apidevportal.aspi-indonesia.or.id:44310/api/v1.0/get-auth-code? redirectUrl=https%3A%2F%2Fdomain.com%2FauthSuccess.json&scopes=QUERY_BAL%20ANCE%2CQUER%20Y_PROFILE&state=W0dkkwijS%20Ds" - H "accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCj9.eyJqdGkiOiIwNDEwMDk3YjAxLTQxNDQtOGZiNy04ZGU0ZTg1NTAwOWMlCJjbGllbnRJZCIGIjMyOGVky zI3N2MxNjRjNWFiNTUxDk5MjQxNGU3Zjg1IiwibmJioxNzE1NjgzMDA2LCJleHAiOjE3MTU2ODM5MDMsImhdCI6MTcxNtY4MzAwM30.JVrtSkhR8Dv9LgPh hR8R4M4yveV4U0S7sSHY61UNNtK0" -H "X-TIMESTAMP: 2020-01-01T00:00:00+07:00" -H "X-SIGNATURE: cVS+f10C-zx4b1029WNfo7z7Gf1NKZwphEmK44Dfxuxnuh6m4SbbhN8e+gh1hkN4+aONPbYxxvDVKR012A6/-z0w---" -H "Y-PARTNER-ID:</pre>	
Request URL	
<pre>https://apidevportal.aspi-indonesia.or.id:44310/api/v1.0/get-auth-code?</pre>	

Copy the `/api/v1.0/get-auth-code?redirectUrl=...` and that should be your full endpointUrl for generating the signature `/api/v1.0/utilities/signature-service`.

Once you get the signature, you can start testing the Get Auth Code API.

1. Opens menu “API” and choose “Registrasi”
2. Go to menu Aplikasi Pengujian on the left side of the page

3. Go to API /v1.0/get-auth-code
4. Click “Try it out” to start testing

The screenshot shows the API endpoint `/api/v1.0/get-auth-code` with a `GET` method. The `Parameters` section lists three items:

- redirectUrl**: string (query) with value `https://domain.com/authSuccess.json`
- scopes**: string (query) with value `QUERY_BALANCE,QUERY_PROFILE`
- state**: string (query) with value `W0dkkwijSDs`

A `Try it out` button is visible in the top right corner.

5. Fill in the parameters as follows:
 - a. redirectUrl
 - b. scopes
 - c. states
 - d. Content-Type = Fill in with “application/json”
 - e. Authorization = Fill in with “Bearer” appends with accessToken value provided by the Access Token B2B API (e.g. Bearer [access token value])
 - f. X-TIMESTAMP = Merchant can copy the format as stated in the example and adjust it to the current time
 - g. X-SIGNATURE = Fill in with the signature value provided in /api/v1.0/utilities/signature-service (previous step)
 - h. X-PARTNER-ID = Fill in with client id value provided by API
 - i. X-EXTERNAL-ID = Fill in with merchant’s external id - merchant can copy the example provided by ASPI
 - j. CHANNEL-ID = Merchant can copy the example provided by ASPI
6. Click “Execute” to execute the API

The screenshot shows the API endpoint `/api/v1.0/get-auth-code` with a `GET` method. The `Responses` section for status code `200` displays:

- Code**: 200
- Details**:
 - Response body** (JSON):


```
{
            "responseCode": "2001000",
            "responseMessage": "Successful",
            "authCode": "4cda7b2369e747a0a3dd571b5d0b5acb",
            "state": "425d6d0b746e4059a8ea2c16add20f03"
          }
```

`Download` button
 - Response headers**:


```
content-length: 146
content-type: application/json; charset=utf-8
```

Code	Description
200	Success

Initiating negative test

To initiate a negative test, merchant can adjust the request body to be incorrect. For example, merchant can remove one of the mandatory parameter.

Fetching the test result

Once merchant finished the testing, merchant can fetch the testing result directly from the developer site.

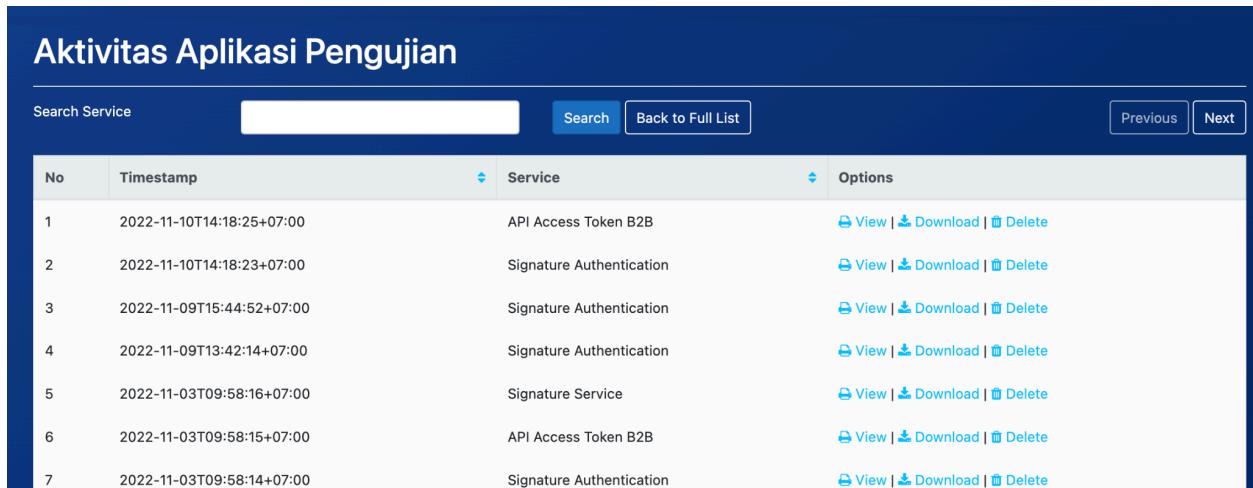
Aplikasi Pengujian

1. Open Aktivitas Aplikasi Pengujian



The screenshot shows the ASPI developer portal interface. At the top, there is a navigation bar with links for Beranda, Info, API, Direktori Publikasi, and a user account section. To the right of the account is the ASPI logo and the text "Asosiasi Sistem Pembayaran Indonesia". Below the navigation bar, there are two main buttons: "Request Aplikasi Pengujian" and "Aktivitas Aplikasi Pengujian".

2. Merchant can directly download the test result of each sub APIs



The screenshot shows a list of test results titled "Aktivitas Aplikasi Pengujian". The table has columns for No, Timestamp, Service, and Options. Each row includes a "View" link, a "Download" link, and a "Delete" link. The data is as follows:

No	Timestamp	Service	Options
1	2022-11-10T14:18:25+07:00	API Access Token B2B	View Download Delete
2	2022-11-10T14:18:23+07:00	Signature Authentication	View Download Delete
3	2022-11-09T15:44:52+07:00	Signature Authentication	View Download Delete
4	2022-11-09T13:42:14+07:00	Signature Authentication	View Download Delete
5	2022-11-03T09:58:16+07:00	Signature Service	View Download Delete
6	2022-11-03T09:58:15+07:00	API Access Token B2B	View Download Delete
7	2022-11-03T09:58:14+07:00	Signature Authentication	View Download Delete

3. Merchant will then needs to submit the test result in PDF format to Midtrans