

# SNAP BI

A book contains API from SNAP BI

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# Get signature access (asymmetric signature)

## Endpoint

Endpoint	Method	Server
/api/v1.0/utilities/signature-auth	POST	https://apidevportal.aspi-indonesia.or.id:44310

## Header

Parameter	Value	Notes
X-TIMESTAMP	Today's date UTC+7  Example 2024-11-29T14:15:00+07:00	
X-CLIENT-KEY	Client id in <a href="#">Request Aplikasi Pengujian</a> page	
Private_Key	Private key in <a href="#">Request Aplikasi Pengujian</a> page	

## Result example

200 OK

```
{
  "signature":
  "ECMIId++UluHBE1JU8oTcpBydvL3noq19LkTur3hWuA8ptyoqGGjXQW7TrG6JgeDML02533rXlo3b1hjft/CCMk4
  vxGHDFV+YjY0r1e1mSgvYOSWhTss5DOKF0Fk3Lh0XfW5pP+6HgIVGX5cluQkTB4fgTyDrjMjHZa5fttMda9S98Q"
```

```
znbvtMnz"
```

```
}
```

## Error example

400 Bad Request

X-TIMESTAMP header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The timestamp field is required."  
}
```

400 Bad Request

X-CLIENT-KEY header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The clientId field is required."  
}
```

400 Bad Request

Private\_Key header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The privateKey field is required."  
}
```

# Access token B2B

## Endpoint

Endpoint	Method	Server
/api/v1.0/access-token/b2b	POST	https://apidevportal.aspi-indonesia.or.id:44310

## Header

Parameter	Value	Notes
X-TIMESTAMP	Today's date UTC+7  Example 2024-11-29T14:15:00+07:00	
X-CLIENT-KEY	Client id in <a href="#">Request Aplikasi Pengujian</a> page	
X-SIGNATURE	Asymmetric signature value	See <a href="#">this page</a>

## Result example

200 OK

```
{
  "signature":
  "ECMIId++UluHBE1JU8oTcpBydvL3noq19LkTur3hWuA8ptyoqGGjXQW7TrG6JgeDMLO2533rXlo3b1hjfT/CCMk4
  vxGHDFV+YjY0r1e1mSgvYOSWhTss5DOKF0Fk3Lh0XfW5pP+6HgIVGX5cluQkTB4fgTyDrJMjHZa5fttMda9S98Q
  znbvtMnz"
}
```

## Error example

400 Bad Request  
X-TIMESTAMP header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The timestamp field is required."  
}
```

400 Bad Request  
X-CLIENT-KEY header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The clientId field is required."  
}
```

400 Bad Request  
Private\_Key header is not provided or value is empty

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The privateKey field is required."  
}
```

# Get signature service (symmetric signature)

## Server

Environment	Link
Development	<a href="https://apidevportal.aspi-indonesia.or.id:44310">https://apidevportal.aspi-indonesia.or.id:44310</a>

## Endpoint

Endpoint	Method
/api/v1.0/utilities/signature-service	POST

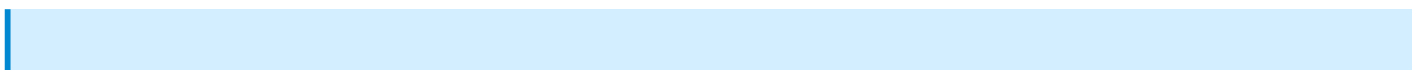
## Authentication

Parameter	Token source
AccessToken	<a href="#">Access token B2B</a>

## Header

Parameter	Value
X-TIMESTAMP	timestampz example: 2024-12-01T07:15:00+07:00
X-CLIENT-SECRET	Client Secret in "Request Aplikasi Pengujian" page
EndPointUrl	/api/v1.0/transfer-va/payment
AccessToken	<a href="#">Access token B2B</a>
HttpMethod	Depends on the service will be using Example: Transver VA Payment is using POST, so the value will be POST.

## Body request (example)



## Body value is same as the next service

```
{
  "partnerServiceId": " 088899",
  "customerNo": "12345678901234567890",
  "virtualAccountNo": " 08889912345678901234567890",
  "virtualAccountName": "Tom",
  "virtualAccountEmail": "tom@tts.com",
  "virtualAccountPhone": "6281828384858",
  "trxId": "abcdefgh1234",
  "paymentRequestId": "abcdef-123456-abcdef",
  "channelCode": 6011,
  "hashedSourceAccountNo": "abcdefghijklmnopqrstuvwxy123456",
  "sourceBankCode": "008",
  "paidAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "cumulativePaymentAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "paidBills": "95000",
  "totalAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "trxDateTime": "20201231T235959Z",
  "referenceNo": "123456789012345",
  "journalNum": "123456",
  "paymentType": 1,
  "flagAdvise": "Y",
  "subCompany": "12345",
  "billDetails": [
    {
      "billCode": "01",
      "billNo": "123456789012345678",
      "billName": "Bill A for Jan",
      "billShortName": "Bill A",
```

```
"billDescription": {
  "english": "Maintenance",
  "indonesia": "Pemeliharaan"
},
"billSubCompany": "00001",
"billAmount": {
  "value": "12345678.00",
  "currency": "IDR"
},
"additionalInfo": {},
"billReferenceNo": "123456789012345"
}
],
"freeTexts": [
  {
    "english": "Free text",
    "indonesia": "Tulisan bebas"
  }
],
"additionalInfo": {}
}
```

## Result example

200 OK

```
{
  "signature": "YXD+d+yHRKRMz0+aVjLu6K2nQ3Fd9KryoMxvkQPs1CXkSqOvv0"
}
```

## Error example

400 Bad Request  
Request is missing one or more header parameter

```
{  
  "responseCode": "4000000",  
  "responseMessage": "The <header> field is required."  
}
```

# Transfer kredit - API Virtual Account - Payment

## Server

Environment	Link
Development	<a href="https://apidevportal.aspi-indonesia.or.id:44310">https://apidevportal.aspi-indonesia.or.id:44310</a>

## Endpoint

Endpoint	Method
/api/v1.0/transfer-va/payment	POST

## Authentication

Type	Token source
Bearer	<a href="#">Access token B2B</a>

## Header

Parameter	Value
X-TIMESTAMP	timestamp Example: 2024-12-01T07:15:00+07:00
X-SIGNATURE	<a href="#">Get signature service (symmetric signature)</a>
X-PARTNER-ID	Client ID from Request Aplikasi Pengujian page URL: <a href="https://apidevportal.aspi-indonesia.or.id/request-aplikasi-pengujian">https://apidevportal.aspi-indonesia.or.id/request-aplikasi-pengujian</a>
X-EXTERNAL-ID	Generated From ONMART

CHANNEL-ID

Bank channel ID value. Example: 95051 for KlikBCA Bisnis  
(<https://developer.bca.co.id/id/Dokumentasi>)

## Body request

These values must be included into symmetric signature

[Get signature service \(symmetric signature\)](#)

```
{
  "partnerServiceId": " 088899",
  "customerNo": "12345678901234567890",
  "virtualAccountNo": " 08889912345678901234567890",
  "virtualAccountName": "Tom",
  "virtualAccountEmail": "tom@tts.com",
  "virtualAccountPhone": "6281828384858",
  "trxId": "abcdefgh1234",
  "paymentRequestId": "abcdef-123456-abcdef",
  "channelCode": 6011,
  "hashedSourceAccountNo": "abcdefghijklmnopqrstuvwxy123456",
  "sourceBankCode": "008",
  "paidAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "cumulativePaymentAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "paidBills": "95000",
  "totalAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "trxDateTime": "20201231T235959Z",
  "referenceNo": "123456789012345",
  "journalNum": "123456",
  "paymentType": 1,
  "flagAdvise": "Y",
  "subCompany": "12345",
```

```

"billDetails": [
  {
    "billCode": "01",
    "billNo": "123456789012345678",
    "billName": "Bill A for Jan",
    "billShortName": "Bill A",
    "billDescription": {
      "english": "Maintenance",
      "indonesia": "Pemeliharaan"
    },
    "billSubCompany": "00001",
    "billAmount": {
      "value": "12345678.00",
      "currency": "IDR"
    },
    "additionalInfo": {},
    "billReferenceNo": "123456789012345"
  }
],
"freeTexts": [
  {
    "english": "Free text",
    "indonesia": "Tulisan bebas"
  }
],
"additionalInfo": {}
}

```

Properties	Properties of	Data type	Required	Description

## Result example

200 OK

```
{
  "responseCode": "2002500",
  "responseMessage": "Successful",
  "virtualAccountData": {
    "paymentFlagReason": {
      "english": "Success",
      "indonesia": "Sukses"
    },
    "partnerServiceId": " 088899",
    "customerNo": "12345678901234567890",
    "virtualAccountNo": " 08889912345678901234567890",
    "virtualAccountName": "Tom",
    "virtualAccountEmail": "tom@tts.com",
    "virtualAccountPhone": "6281828384858",
    "trxId": "abcdefgh1234",
    "paymentRequestId": "abcdef-123456-abcdef",
    "paidAmount": {
      "value": "12345678.00",
      "currency": "IDR"
    },
    "paidBills": "95000",
    "totalAmount": {
      "value": "12345678.00",
      "currency": "IDR"
    },
    "trxDateTime": "20201231T235959Z",
    "referenceNo": "123456789012345",
    "journalNum": "123456",
    "paymentType": "1",
    "flagAdvise": "Y",
    "paymentFlagStatus": "00",
    "billDetails": [
      {
        "billerReferenceId": "4146037406",
        "billCode": "01",
        "billNo": "123456789012345678",
        "billName": "Bill A for Jan",
        "billShortName": "Bill A",
        "billDescription": {
```

```
    "english": "Maintenance",
    "indonesia": "Pemeliharaan"
  },
  "billSubCompany": "00001",
  "billAmount": {
    "value": "12345678.00",
    "currency": "IDR"
  },
  "additionalInfo": {},
  "status": "00",
  "reason": {
    "english": "Success",
    "indonesia": "Sukses"
  }
},
"freeTexts": [
  {
    "english": "Free text",
    "indonesia": "Tulisan bebas"
  }
],
"additionalInfo": {}
}
```

## Error example

### 400 Bad Request

```
{
  "responseCode": "4000000",
  "responseMessage": "The signature field is required."
}
```

### 401 Unauthorized

```
{  
  "responseCode": "4012500",  
  "responseMessage": "Unauthorized. Invalid Signature"  
}
```