SNAP BI

A book contains API from SNAP BI

- Get signature access (asymmetric signature)
- Access token B2B
- Get signature service (symmetric signature)
- Transfer kredit - API Virtual Account - Payment

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 Request Aplikasi Pengujian page	
Private_Key	Private key in Request Aplikasi Pengujian page	

Result example

200 OK


```
{
  "signature":
"ECMld++UIuHBE1JU8oTcpBydvL3noq19LkTur3hWuA8ptyoqGGjXQW7TrG6JgeDMLO2533rXIo3b1hjfT/CCMk4
vxGHDFV+YjY0r1e1mSgvYOSWhTss5DOKF0Fk3Lh0XfW5pP+6HglVGX5cluQkTB4fgTyDrJMjHZa5fttMda9S98Q
```

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 Request Aplikasi Pengujian page	
X-SIGNATURE	Asymmetric signature value	See this page

Result example

200 OK


```
{
   "signature":
"ECMld++UIuHBE1JU8oTcpBydvL3noq19LkTur3hWuA8ptyoqGGjXQW7TrG6JgeDMLO2533rXIo3b1hjfT/CCMk4vxGHDFV+YjY0r1e1mSgvYOSWhTss5DOKF0Fk3Lh0XfW5pP+6HglVGX5cluQkTB4fgTyDrJMjHZa5fttMda9S98QznbvtMnz"
}
```

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	https://apidevportal.aspi-indonesia.or.id:44310

Endpoint

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

Authentication

Parameter	Token source
AccessToken	Access token B2B

Header

Parameter	Value
X-TIMESTAMP	timestampz example: 2024-12-01T07:15:00+07:00
X-CLIENT-SECRET	Client Secret in "Request Aplikasi Pengujian" page
EndpoinUrl	/api/v1.0/transfer-va/payment
AccessToken	Access token B2B
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": "  088899123456789012345678 90",
  "virtualAccountName": "Tom",
  "virtualAccountEmail": "tom@tts.com",
  "virtualAccountPhone": "6281828384858",
  "trxId": "abcdefgh1234",
  "paymentRequestId": "abcdef-123456-abcdef",
  "channelCode": 6011,
  "hashedSourceAccountNo": "abcdefghijklmnopqrstuvwxyz123456",
  "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	https://apidevportal.aspi-indonesia.or.id:44310

Endpoint

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

Authentication

Type	Token source
Bearer	Access token B2B

Header

Parameter	Value
X-TIMESTAMP	timestampz Example: 2024-12-01T07:15:00+07:00
X-SIGNATURE	Get signature service (symmetric signature)
X-PARTNER-ID	Client ID from Request Aplikasi Pengujian page URL: https://apidevportal.aspi-indonesia.or.id/request-aplikasi-pengujian
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": "  088899123456789012345678 90",
  "virtualAccountName": "Tom",
  "virtualAccountEmail": "tom@tts.com",
  "virtualAccountPhone": "6281828384858",
  "trxId": "abcdefgh1234",
  "paymentRequestId": "abcdef-123456-abcdef",
  "channelCode": 6011,
  "hashedSourceAccountNo": "abcdefghijklmnopqrstuvwxyz123456",
  "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": "  088899123456789012345678 90",
    "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"
}
```