

Sandbox B2B Fintech SBU Giro MPospay

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- Authentication
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- Data Dummy
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Intoduction

Berikut Overview dari APIs Sandbox B2B Fintech SBU Giro Mpospay :

Method	Endpoint	Usage
POST	http://202.152.51.27:7879/finsbu/h2h	API B2B Messaging

Silahkan coba APIs kami menggunakan Sandbox. Kami menyediakan sandbox dengan data dummy dan static.

Authentication

User Agent

Settingan USER AGENT untuk client yang mengakses APIs webservice di set (case sensitive) :
FinSBUGiroMPospay-B2B

Signature

Signature digunakan oleh APIs Fintech SBU Giro MPospay untuk menjamin bahwa pesan yang ada kirim tidak diubah oleh yang tidak berhak.

Pembuatan signature menggunakan enkripsi hashing MD5

Garis besar proses pembuatan Signature adalah sebagai berikut:

1. Ambil nilai dari field type (ex : inquiry, payment, purchase etc..)
2. Ambil nilai dari field account (ex : 0000000018)
3. Ambil nilai dari field institutionCode (ex : 180309000002)
4. Ambil nilai dari field product (ex : 2042)
5. Ambil nilai dari field billNumber (ex : AF085713323054)

6. Ambil nilai dari field trxId (ex : 00000001)
7. Ambil parameter password APIs yang diberikan oleh Fintech SBU Giro MPospay (ex : aad16aabac2b3d4e17f04a95e2a2372f)
8. Ambil nilai current date, dengan format : yyyy-mm-dd (ex : 2018-03-22')
9. Ambil parameter KEY APIs yang diberikan oleh Fintech SBU Giro MPospay (ex : f1ntechSBU@2018#)
10. Gabungkan semua parameter diatas kemudian lakukan enkripsi dengan hashing MD5.

Contoh Message :

```
{
  "type": "inquiry",
  "accountType": "B2B",
  "account": "0000000018",
  "institutionCode": "180309000002",
  "product": "2042",
  "billNumber": "AF085713323054",
  "trxId": "00000001",
  "retrieval": "20180125003025879",
  "sign": "8a4cb6945f10e622c3d9a232b1a6d3e7"
}
```

Formula =

md5(type+account+institutionCode+product+billNumber+trxId+password+current_date+key)

StringToSign = inquiry+0000000018+180309000002+2042+AF085713323054+00000001
+aad16aabac2b3d4e17f04a95e2a2372f+2018-03-22+f1ntechSBU@2018#

StringToSign =

MD5(inquiry00000000181803090000022042AF085713323054aad16aabac2b3d4e17f04a95e2a2372f
2018-03-22f1ntechSBU@2018#)

Hasil = 8a4cb6945f10e622c3d9a232b1a6d3e7

Http Method

- HTTP Method yang digunakan adalah POST.
- HTTP Method harus dikirim dengan huruf capital.

Headers

Agar komunikasi berhasil dengan APIs Fintech SBU Giro MPospay, anda harus mengirim beberapa headers di setiap request API :

Name	Type	Description
Authorization	Alphanumeric	Basic Base64(client_id:client_secret)
Content-Type	Alphanumeric	application/json
Origin	url	Origin domain e.g. yourdomain.com

API Services

Berikut beberapa parameter yang harus anda kirim untuk API B2B :

Request

Field	Data Type	Mandatory	Description
type	String(50)	Y	Tipe service
accountType	String(6)	Y	Tipe Account. Default B2B
account	String(10)	Y	Account Giro Mpospay. Format : Number, 10
institutionCode	String(12)	Y	Account Giro Mpospay. Format : Number, 12
Product	String(5)	Y	Account Giro Mpospay. Format : Number, 4
billNumber	String(1500)	Y	Nomor pelanggan, nomor handphone atau nomor billing
trxId	String(8)	Y	Nomor urut trasnaksi. Format : Number, 8
retrieval	String(17)	Y	Waktu transaksi, format : yyyymmddhhiisszzz
sign	String(32)	Y	Signature, MD5(type+account+institutionCode+product+billNumber+trxId+password+current_date+key)

Response

Field	Data Type	Mandatory	Description
type	String(50)	Y	Tipe service
accountType	String(6)	Y	Tipe Account. Default B2B
account	String(10)	Y	Account Giro Mpospay. Format : Number, 10
institutionCode	String(12)	Y	Account Giro Mpospay. Format : Number, 12
Product	String(5)	Y	Account Giro Mpospay. Format : Number, 4
billNumber	String(1500)	Y	Nomor pelanggan, nomor handphone atau nomor billing
trxId	String(8)	Y	Nomor urut trasnaksi. Format : Number, 8
retrieval	String(17)	Y	Waktu transaksi, format : yyyymmddhhiisszzz
sign	String(32)	Y	Signature, MD5(type+account+institutionCode+product+billNumber+trxId+password+current_date+key)
resultCode	String(3)	Y	Kode respon dari web service. Format, Number 3

Field	Data Type	Mandatory	Description
resultDesc	String(1000)	Y	Keterangan respon dari web service
nominal	String(12)	Y	Nominal tagihan, format Number : 12
admin	String(8)	Y	Nominal bea admin B2B, format Number : 8
info1	String(1000)	Y	Informasi Resi
info2	String(1000)	Y	Informasi Konten Produk
info3	String(1000)	Y	Informasi tambahan
jmlLembar	String(1)	Y	Jumlah lembar transaksi
saldo	String(12)	Y	Jumlah sisa saldo, format Number : 12

Berikut daftar API Services yang digunakan untuk B2B Messaging.

1. Inquiry

POST /finsbu/h2h

Request :

POST http://202.152.51.27:7879/finsbu/h2h HTTP/1.1

Authorization: Basic Base64(client_id:client_secret)

Content-Type: application/json

Origin: [yourdomain.com]

```
{
  "type": "inquiry",
  "accountType": "B2B",
  "account": "0000000018",
  "institutionCode": "180309000002",
  "product": "2042",
  "billNumber": "AF085713323054",
  "trxId": "00000001",
  "retrieval": "20180125003025879",
  "sign": "b3847e3a099979c1d96e3d186e0e05fa"
}
```

Response :

```
{
  "type": "inquiry",
  "service": "responseInquiry",
  "accountType": "B2B",
  "account": "0000000018",
  "institutionCode": "180309000002",
  "product": "2042",
  "billNumber": "AF085713323054",
  "resultCode": "000",
  "resultDesc": "SUKSES",
  "nominal": "304000",
  "admin": "1550",
  "trxId": "00000001",
  "retrieval": "20180125003025879",
  "paymentCode": "21b555433f8de4b86144642d29d56839",
  "info1": "Kode Bayar : AF085713323054|Kode Reff : 900017|ID Transaksi: TKP154821699|Nama : Eduard Budiharto|Desk.Order : Pembelian dari Tokopedia|Jml Tagihan : Rp. 304.000|",
  "info2": "TAGIHAN TOKOPEDIA|##1",
  "info3": "",
  "jmlLembar": "1",
  "saldo": "",
  "signature": "b3847e3a099979c1d96e3d186e0e05fa"
}
```

2. Payment

POST /finsbu/h2h

Request :

POST http://202.152.51.27:7879/finsbu/h2h HTTP/1.1

Authorization: Basic Base64(client_id:client_secret)

Content-Type: application/json

Origin: [yourdomain.com]

```
{"type":"payment","accountType":"B2B","account":"0000000018","institutionCode":"180309000002","product":"2042","billNumber":"AF085713323054","trxId":"00000002","retrieval":"20180125003025879","paymentCode":"21b555433f8de4b86144642d29d56839","sign":"1a3a62586844e13ca9bb64d0056d7d7c"}
```

Response :

```
{"type":"payment","service":"responsePayment","accountType":"B2B","account":"0000000018","institutionCode":"180309000002","product":"2042","billNumber":"AF085713323054","resultCode":"000","resultDesc":"SUKSES","nominal":"304000","admin":"1550","trxId":"00000001","retrieval":"20180125003025879","paymentCode":"21b555433f8de4b86144642d29d56839","info1":"Kode Bayar : AF085713323054|Kode Ref : 900017|ID Transaksi: TKP154821699|Nama : Eduard Budiharto|Desk.Order : Pembelian dari Tokopedia|Jml Tagihan : Rp. 304.000|","info2":"TAGIHAN TOKOPEDIA|##1","info3":"","jmlLembar":"1","saldo":"11500000","signature":"1a3a62586844e13ca9bb64d0056d7d7c"}
```

3. **Purchase**

POST /finsbu/h2h

Request :

POST http://202.152.51.27:7879/finsbu/h2h HTTP/1.1

Authorization: Basic Base64(client_id:client_secret)

Content-Type: application/json

Origin: [yourdomain.com]

```
{"type":"purchase","accountType":"B2B","account":"0000000018","institutionCode":"180309000002","product":"3100","billNumber":"08132259999","trxId":"00000004","retrieval":"20180222161223123","sign":"85afd2485c7f91177d006c51ff771f8c"}
```

Response :

```
{"type":"purchase","service":"responsePayment","accountType":"B2B","account":"0000000018","institutionCode":"180309000002","product":"3100","billNumber":"08132259999","resultCode":"000","resultDesc":"SUKSES","nominal":"10050","admin"
```

```
":"0","trxId":"00000004","retrieval":"20180222161223123","paymentCode":"21b55
5433f8de4b86144642d29d56839","info1":"NO. HANDPHONE : 0081291887774|
NILAI VOUCHER : 100000|NO.REF      :
0041002220476240|","info2":"PEMBELIAN PULSA TELKOMSEL|##Untuk
keluhan Hub.133|Npwp TSEL:
01.718.327.8.093.000","info3":"","jmlLembar":"1","saldo":"11500000","signature":
"85afd2485c7f91177d006c51ff771f8c"}
```

4. **Advice**

POST /finsbu/h2h

Request :

```
POST http://202.152.51.27:7879/finsbu/h2h HTTP/1.1
Authorization: Basic Base64(client_id:client_secret)
Content-Type: application/json
Origin: [yourdomain.com]
```

```
{"type":"advice","accountType":"B2B","account":"0000000018","institutionCode":"
180309000002","product":"2042","billNumber":"AF085713323054","trxId":"00000
002","retrieval":"20180125003025879",
"paymentCode":"21b555433f8de4b86144642d29d56839","sign":"e88ab993f7a9ce1
a9e2b78e15a485ccf"}
```

Response :

```
{"type":"advice","service":"responsePayment","accountType":"B2B","account":"00
00000018","institutionCode":"180309000002","product":"2042","billNumber":"AF0
85713323054","resultCode":"000","resultDesc":"SUKSES","nominal":"304000","ad
min":"1550","trxId":"00000001","retrieval":"20180125003025879","paymentCode":
"21b555433f8de4b86144642d29d56839","info1":"Kode Bayar : AF085713323054|
Kode Reff : 900017|ID Transaksi: TKP154821699|Nama : Eduard Budiharto|
Desk.Order : Pembelian dari Tokopedia|Jml Tagihan : Rp.
304.000|","info2":"TAGIHAN TOKOPEDIA|
##1","info3":"","jmlLembar":"1","saldo":"11500000","signature":"e88ab993f7a9ce1
a9e2b78e15a485ccf"}
```

5. **Balance Inquiry**

POST /finsbu/h2h

Request :

POST http://202.152.51.27:7879/finsbu/h2h HTTP/1.1
Authorization: Basic Base64(client_id:client_secret)
Content-Type: application/json
Origin: [yourdomain.com]

```
{"type":"balanceInquiry","accountType":"B2B","account":"0000000018","institutionCode":"180309000002","product":"CBS","billNumber":"0000000018","trxId":"00000006","retrieval":"20180125003025879","sign":"2855d3b6a6eda783ab5a91b115b59186"}
```

Response :

```
{"type":"balanceInquiry","service":"responseBalanceInquiry","accountType":"B2B","account":"0000000018","product":"CBS","billNumber":"0000000018","resultCode":"00","resultDesc":"success","nominal":"0","admin":"0","trxId":"00000006","retrieval":"20180125003025879","paymentCode":"","info1":"Customer Name : WISNU|Product Code : WADIAH|Balance : 2451000|","info2":"01000021","info3":"WISNU|WADIAH|2451000|","jmlLembar":"0","saldo":"2451000","signature":"2855d3b6a6eda783ab5a91b115b59186"}
```

Kode Respon

API Fintech SBU Giro MPospay menggunakan skema error berikut :

```
{  
  "resultCode":"00",  
  "resultDesc":"success"  
}
```

Berikut daftar kode pesan dari API B2B :

Kode Respon	Pesan Respon
000	Sukses
301	Parameter kosong (tidak valid)
102	Mohon maaf, System dalam maintenance. Mohon coba kembali 3 menit kedepan
103	Mohon maaf, Transaksi tidak bisa dilakukan di atas cutt of time
104	Kode Produk tidak valid
105	Mohon maaf, Transaksi tidak bisa dilakukan di atas cutt of time
106	Mandatory field tidak valid (tidak boleh kosong)
107	Panjang trxId tidak valid

108	Content message dari database kosong
109	Gagal proses database
198	Gagal proses message
998	Mohon maaf, service B2B sedang maintenance
997	Parameter tidak valid
Request Inquiry / Purchase	
996	Kode institution tidak valid atau tidak ditemukan
995	Produk tidak valid atau tidak aktif
994	Signature is not match
993	Service (Produk) belum memiliki routing host
992	Account anda terblokir. Mohon hubungi adminstrator
991	Member belum memiliki harga referensi untuk produk ini
Request Payment	
996	paymentCode tidak ditemukan (reqPayment)
995	paymentCode ini sudah di-payment. Lakukan cek status (reqPayment)
994	Signature is not match (reqPay)
993	Service (Produk) belum memiliki routing host (reqPay)

Catatan :

Selain daftar kode respon diatas, masih terdapat kode respon yang lain yang tidak kami daftarkan karena jumlahnya yang cukup banyak dan berubah-ubah sesuai dengan biller yang tersedia dan disebabkan karena masing-masing biller memiliki kode pesan yang berbeda-beda.

Oleh karena itu, untuk kode respon yang belum dicantumkan cukup mengambil kode pesan dan error message dari message yang diterima dan harus disampaikan ke client (Front End).

Data Dummy

Untuk data dummy dapat diakses melalui web sandbox Fintech SBU Giro Mpospay.

Daftar Produk

Untuk daftar produk dapat diakses melalui web sandbox Fintech SBU Giro Mpospay.