



Technical Documentation

API BCA Virtual Account

Version 0.1.0

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Document Version

Date	Doc Version	Description	PIC
14 December 2021	0.1.0	- Endpoint Authorization	Iqbal
14 December 2021	0.1.0	- Endpoint Topup	Iqbal
14 December 2021	0.1.0	- Endpoint Delete Topup	Iqbal

Endpoint

Method	Endpoint	Name	Usage
-	https://vadigisign:9000	Hostname	Production
	https://vadigisign:4000	Hostname	Development
POST	api/oauth/token	Authorization	Get Access token for Authorization
POST	api/topup	Topup	Request topup to get Virtual Account number
DELETE	api/topup	Detelet Topup	Cancel bill virtual account

Authorization

Authorization Bearer token will be use everytime to access virtual account API, required client_id and client_secret encoded with Base64 and grant_type=client_credentials. To get client_id and client_secret the applications that will use the virtual account API must be registered by admin.

Endpoint

Method	Endpoint	Name	Usage
POST	api/oauth/token	Authorization	Get Access token for Authorization

Header

```
Authorization : Basic base64(client_id:client_secret)
```

Access Token Request

```
POST endpoint/api/oauth/token HTTP/1.1
Host: endpoint
Authorization: Basic Base64(client_id:client_secret)
Content-Type: application/x-www-form-urlencoded

grant_type=client_credentials
```

Sample request

```
curl -X POST "endpoint/api/auth/token" \
-H "Authorization: Basic
VEFYaGZvNmhmSldwUHJHqjBmV3NMbGZWbVNiWtk2Y0J6WTh4RDVVZjp5MjQ3ZUp6UVczaFJqcVF1ZEQwdlRkeXph
dm9zeFhzc2lDemdNN0lQVkiZiQkVtaliRhamt1eHo2RWRCaDg3T1Juc1BXVFZ1UFBCNVhSc1JNamFHbHNwbnRaT3VR
eXFoeEJibmJjaXN0eFYzOEFVQ0FpUmRHRQmlwVlFETjFGGVVlnSg==" \
-H "Cache-Control: no-cache" \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "grant type=client credentials"
```

Sample response

```
{
  "access_token": "c2Zq0kOfD00277tU3ivyrUKzR3MHWt",
  "expires_in": 36000,
  "token_type": "Bearer",
  "scope": "read write groups"
}
```

Sample failed

```
{  
  "error": "unsupported_grant_type"  
}
```

```
{  
  "error": "invalid_client"  
}
```

Topup

This endpoint used to generate virtual account number, user must be registered to generate virtual account. Virtual account already have bill must pay or delete before reuse.

Endpoint

Method	Endpoint	Name	Usage
POST	api/topup	Topup	Request topup to get Virtual Account number

Header

```
Authorization : Bearer <access_token>
```

Payload

Field	Data Type	Mandatory	Description
bank_from	String(6)	Yes	Bank Code
bank_to	String(6)	Yes	Bank Code
product	Arraylist	Yes	Arraylist product contain tenant, amount, price
tenant	Integer	Yes	Product id
amount	Integer	Yes	Amount (qty)
price	Integer	Yes	Price per (qty)
user	String(25)	Yes	Id User ID for personal, MT for mitra company
mitra	String(25)	Yes	Id company user, start with MT
Topup_type	String(25)	Yes	Topup type, Prepaid (PRE) or Postpaid (POST)

```
POST endpoint/api/topup HTTP/1.1
Host: endpoint
Authorization: Bearer <access_token>
Content-Type: application/json
```

```
{
  "bank_from": "014",
  "bank_to": "014",
  "product": [
    {
      "tenant": "1",
      "amount": "10",
      "price": "100"
    }
  ],
}
```

```

    {
      "tenant": "2",
      "amount": "2",
      "price": "100"
    },
    {
      "tenant": "2",
      "amount": "2",
      "price": "100"
    }
  ],
  "user": "MT2",
  "mitra": "MT1",
  "topup_type": "PRE"
}

```

Sample request

```

curl -X POST "endpoint/api/topup" \
-H "Authorization: Bearer c2Zq0k0fD00277tU3ivyrUKzR3MHWT" \
-H "Content-Type: application/json" \
-d '{
  "bank_from": "014",
  "bank_to": "014",
  "product": [
    {
      "tenant": "1",
      "amount": "10",
      "price": "100"
    },
    {
      "tenant": "2",
      "amount": "2",
      "price": "100"
    },
    {
      "tenant": "2",
      "amount": "2",
      "price": "100"
    }
  ],
  "user": "MT2",
  "mitra": "MT1",
  "topup_type": "PRE"
}'

```

Sample response

```

{
  "status": "00",
  "expired_date": "2021-12-14T19:54:22.828",
  "virtual_account": "5432102"
}

```

Sample failed

```
{  
  "message": "Virtual account bill is active",  
  "status": "01"  
}
```


Topup delete

This endpoint used to delete existing virtual account already have active bill

Endpoint

Method	Endpoint	Name	Usage
DELETE	api/topup	Delete Topup	Cancel account bill virtual

Header

```
Authorization : Bearer <access_token>
```

Payload

Field	Data Type	Mandatory	Description
virtual_account	String(40)	Yes	Virtual account number

Sample payload

```
POST endpoint/api/topup HTTP/1.1
Host: endpoint
Authorization: Bearer <access_token>
Content-Type: application/json

{
  "virtual_account ": "014129381123"
}
```

Sample request

```
curl -X POST "endpoint/api/topup" \
-H "Authorization: Bearer c2Zq0k0fD00277tU3ivyrUKzR3MHWT" \
-H "Content-Type: application/json" \
-d "
  {
    "virtual_account ": "014129381123"
  }
"
```

Sample response

```
{
  "status": "00",
```

```
{  
  "message": "Success cancel virtual account"  
}
```

Sample failed

```
{  
  "status": "01",  
  "message": "Virtual account not exist"  
}
```