



Technical Documentation

API BCA Virtual Account

Version 0.1.0

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Document Version

<b>Date</b>	<b>Doc Version</b>	<b>Description</b>	<b>PIC</b>
<b>14 December 2021</b>	0.1.0	- Endpoint Authorization	Iqbal
<b>14 December 2021</b>	0.1.0	- Endpoint Topup	Iqbal
<b>14 December 2021</b>	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

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

### 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
VEFYaGZvNmhmSldwUHJHqjBmV3NMbGZWbVNiWtk2Y0J6WTh4RDVVZjp5MjQ3ZUp6UVczaFJqcVF1ZEQwd1RkeXph
dm9zeFhzc2lDemdNN0lQVkJkZiQkVta1Rhamt1eHo2RWRCaDg3T1Juc1BXVFZ1UFBCNVhSc1JNamFHbHNwbnRaT3VR
eXFoeEJibmJjaXN0eFYzOEFVQ0FpUmRHQm1WV1FETjFGVWlnSg==" \
-H "Cache-Control: no-cache" \
-H "Content-Type: application/x-www-form-urlencoded" \

-d "grant_type=client_credentials"
```

### Sample response

```
{
  "access_token": "c2Zq0k0fD00277tU3ivyruKzR3MHWT",
  "expires_in": 36000,
  "token_type": "Bearer",
  "scope": "read write groups"
}
```

### Header

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

## Topup

### Endpoint

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

### 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

### Endpoint

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

### 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 c2Zq0kOfD00277tU3ivyrUKzR3MHWT" \
-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"  
}
```