

Technical Documentation

API BCA Virtual Account

Version 0.1.0

Release Date: December 14, 2021

Document Version

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| --- | --- | --- | --- |
| 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)  Content-type : application/x-www-form-urlencoded |

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 VEFYaGZvNmhmSldwUHJHQjBmV3NMbGZWbVNiWTk2Y0J6WTh4RDVVZjp5MjQ3ZUp6UVczaFJqcVFlZEQwdlRkeXphdm9zeFhzc2lDemdNN0lQVkZiQkVtalRhamt1eHo2RWRCaDg3T1JuclBXVFZ1UFBCNVhSclJNamFHbHNwbnRaT3VReXFoeEJibmJjaXN0eFYzOEFVQ0FpUmRHQmlWVlFETjFGVVlnSg==" \    -H "Cache-Control: no-cache" \  -H "Content-Type: application/x-www-form-urlencoded" \  -d "grant\_type=client\_credentials" |

*Sample response*

|  |
| --- |
| {  "access\_token": "c2Zq0kOfD0O277tU3ivyrUKzR3MHWT",  "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 c2Zq0kOfD0O277tU3ivyrUKzR3MHWT"\    -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 bill virtual account |

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 c2Zq0kOfD0O277tU3ivyrUKzR3MHWT"\    -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"    } |
|  |