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DOKUMEN SPESIFIKASI WEB SERVICE VIRTUAL ACCOUNT ONLINE BANK BJB

VERSI : **1.3**

Disiapkan oleh :

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Disiapkan Untuk :



**PT. Bank Pembangunan Daerah Jawa Barat dan Banten, Tbk.**Menara Bank BJB Jl. Naripan No. 12-14 Bandung 40111

2020

# HALAMAN RIWAYAT PERBAIKAN

|  |  |  |  |
| --- | --- | --- | --- |
| **VERSI** | **TANGGAL** | **AUTHOR** | **DESKRIPSI** |
| 1.0 | 4 Mei 2023 | VSI | Dokumen inisiasi |
|  | 4 Mei 2023 | VSI | Penambahan Design REST API Registrasi VA Offline Single dan Bulk |
|  | 8 Mei 2023 | VSI | Penambahan design rest API, Get List Approval VA, dan Aksi Approval VA |
|  |  |  |  |

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# DAFTAR TABEL

# HANDLER

## Registrasi VA Offline

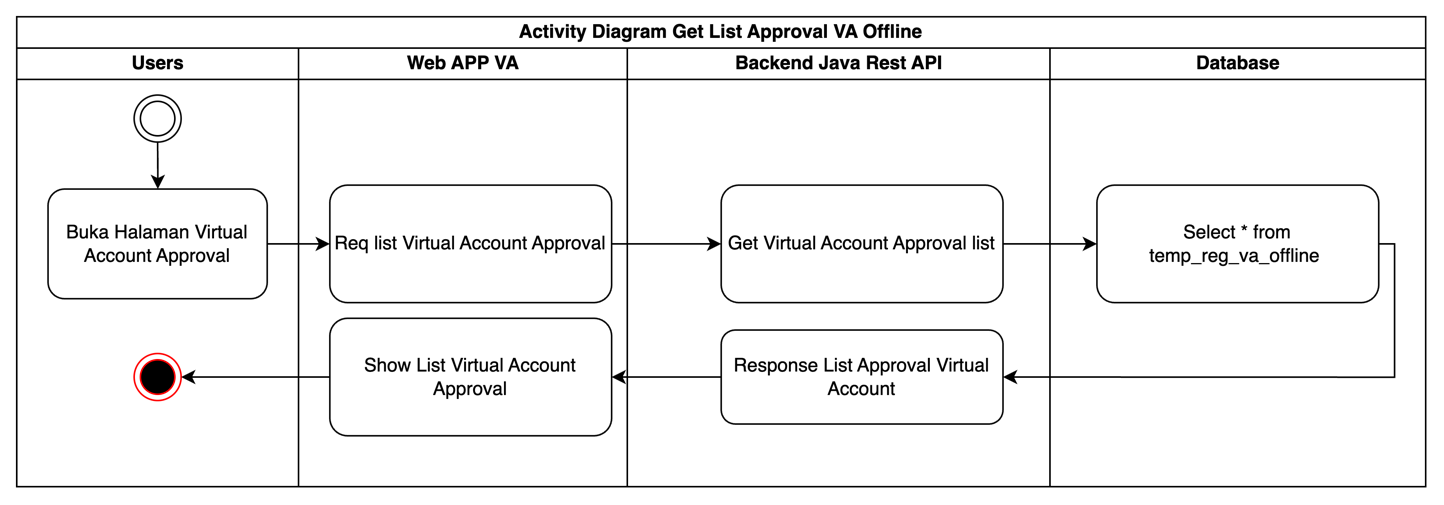
Diagram

Description automatically generated

## Data Definition language

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nama Tabel** | temp\_reg\_va\_offline | | | |
| **Fungsi** | Penyimpanan data sementara untuk dari proses pembuatan Akun VA Offline Single dan Upload Akun VA Offiline | | | |
| **DDL** | CREATE TABLE "public"."temp\_reg\_va\_offline" (  "va\_c\_cin" varchar(3) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bc\_id" varchar(2) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bn\_type" varchar(1) COLLATE "pg\_catalog"."default" DEFAULT 'o'::character varying,  "va\_bn\_code" varchar(11) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bn\_name" varchar(50) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bn\_batch\_id" varchar(36) COLLATE "pg\_catalog"."default",  "va\_bn\_status" varchar(1) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bn\_reg\_by" varchar(50) COLLATE "pg\_catalog"."default" NOT NULL,  "va\_bn\_nominal" varchar(12) COLLATE "pg\_catalog"."default",  "va\_bn\_expired\_at" timestamp COLLATE "pg\_catalog"."default",  "is\_update " varchar(1) COLLATE "pg\_catalog"."default" NOT NULL,  CONSTRAINT "temp\_reg\_va\_offline\_pkey" PRIMARY KEY ("va\_c\_cin", "va\_bc\_id", "va\_bn\_code")  )  ;  ALTER TABLE "public"."temp\_reg\_va\_offline"  OWNER TO "postgres"; | | | |
|  | | | | |
| **No** | **Nama Field** | **Tipe Data** | **Property** | **Deskripsi** |
| 1 | va\_c\_cin | varchar(3) | PK |  |
| 2 | va\_bc\_id | varchar(2) | PK |  |
| 3 | va\_bn\_type | varchar(1) |  | Default o |
| 4 | va\_bn\_code | varchar(11) | PK |  |
| 5 | va\_bn\_name | varchar(36) |  |  |
| 6 | va\_bn\_batch\_id | varchar(36) |  |  |
| 7 | va\_bn\_status | varchar(1) |  |  |
| 8 | va\_bn\_reg\_by | varchar(50) |  |  |
| 9 | va\_bn\_nominal | varchar(12) |  |  |
| 10 | va\_bn\_expired\_at | Timestamp |  |  |
| 11 | Is\_update | varchar(1) |  | Di isi Y/N |

## Get List Approval VA Offline



## Query

|  |
| --- |
| Query Get list Approval VA Offline |
| Select \* from V\_APPROVAL\_LIST\_VA\_OFFLINE |

## Get Detail Approval List VA Offline

Graphical user interface, text

Description automatically generated

## Query

|  |
| --- |
| Query Get Detail list Approval VA Offline |
| Select \* from V\_DETAIL\_APPROVAL\_LIST\_VA\_OFFLINE Where va\_bn\_batch\_id=Param va\_bn\_batch\_id |

## Action Approval VA Offline

Diagram

Description automatically generated

# REST API (MESSAGING SPEC)

## Registrasi VA Offline Single Akun

## Request

Tabel 7. JSON Message Create Billing Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URL** | | **{baseURL}/va-offline/registration/single** | |  |
| **Method** | | **POST** |  |  |
| **Accept** | | application/json |  |  |
|  | | | | |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | cin | M | String | Customer Identification Number (CIN) in BJB  Length:  - VA Offline: 2 digit  - E-Commerce: 3 digit  - Edupay: 4 digit  - Pajak: 3 digit (use Kota/Kabupaten code)  - Rumah Sakit: 3 digit |
| **2** | client\_type | M | String | Client Type Prefix:  0: VA Offline  1: Ecommerce  2: Edupay  3: Pajak 4: Rumah Sakit |
| **3** | billing\_code\_id | M | String | Kode Produk billing number |
| **4** | billing\_number\_type | M | String | o: Open Billing number, c: Close billing number |
| **5** | billing\_number\_code | M | String | Kode billing VA yang di input |
| **6** | billing\_number\_name | M | String | Nama VA yang di input |
| **7** | billing\_number\_status | M | String | 0 : Belum di approve  1: approve  2:Reject |
| 8 | billing\_number\_reg\_by | M | String | User yang melakukan registrasi Virtual Account Single |
| 9 | billing\_number\_nominal | M | String | Nominal billing number yang di input |
| 10 | expired\_at | M | String | Tanggal kedaluwarsa billing number yang di input |
|  | | | | |
| **Contoh Request** | | | | |
| **{**  **"cin": "2600",**  **"client\_type": "0",**  **"billing\_code\_id": "02",**  **"billing\_number\_type": "o",**  **"billing\_number\_code": "102123912302131",**  **"billing\_number\_name": "Bayar Tagihan",**  **"billing\_number\_reg\_by": "user test",**  **"billing\_number\_nominal": "200000",**  **"expired\_at": "2022-12-12"**  **}** | | | | |

## Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | rc | M | String | Response Code |
| **2** | rc\_desc | M | String | Response Code Description |
| **3** | cin | E | String | Customer Identification Number (CIN) in BJB  Length:  - VA Offline: 2 digit  - E-Commerce: 3 digit  - Edupay: 4 digit  - Pajak: 3 digit (use Kota/Kabupaten code)  - Rumah Sakit: 3 digit |
| **4** | client\_type | E | String | Client Type Prefix:  0: VA Offline  1: Ecommerce  2: Edupay  3: Pajak 4: Rumah Sakit |
| **5** | billing\_code\_id | E | String | Kode Produk billing number |
| **6** | billing\_number\_type | E | String | o: Open Billing number, c: Close billing number |
| **7** | billing\_number\_code | E | String | Kode billing VA yang di input |
| **8** | billing\_number\_name | E | String | Nama VA yang di input |
| **9** | billing\_number\_status | E | String | 0 : Belum di approve  1: approve  2:Reject |
| **10** | billing\_number\_reg\_by | E | String | User yang melakukan registrasi Virtual Account Single |
| **11** | billing\_number\_nominal | E | String | Nominal billing number yang di input |
| **12** | expired\_at | E | String | Tanggal kedaluwarsa billing number yang di input |
|  | | | | |
| **Contoh Response** | | | | |
| **{**  **"rc": "0000",**  **"rc\_desc": "Success",**  **"cin": "2600",**  **"client\_type": "0",**  **"billing\_code\_id": "02",**  **"billing\_number\_type": "o",**  **"billing\_number\_code": "102123912302131",**  **"billing\_number\_name": "Bayar Tagihan",**  **"billing\_number\_reg\_by": "user test",**  **"billing\_number\_nominal": "200000",**  **"expired\_at": "2022-12-12"**  **}** | | | | |

## Response Code

|  |  |  |
| --- | --- | --- |
| **NO** | **RC** | **DESCRIPTION** |
| **1** | 0000 | Sukses |
| **2** | 0400 | Nomor VA masih aktif, tidak dapat melakukan update |
| **3** | 0410 | Gagal Menyimpan temp approval va |

## Registrasi VA Offline Bulk

## Request

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **URL** | | | **{baseURL}/va-offline/registration/bulk** | |  |
| **Method** | | | **POST** |  |  |
| **Accept** | | | application/json |  |  |
|  | | | | | |
| **BODY** | | | | | |
| **NO** | **FIELD** | | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | cin | | M | String | Customer Identification Number (CIN) in BJB  Length:  - VA Offline: 2 digit  - E-Commerce: 3 digit  - Edupay: 4 digit  - Pajak: 3 digit (use Kota/Kabupaten code)  - Rumah Sakit: 3 digit |
| **2** | client\_type | | M | String | Client Type Prefix:  0: VA Offline  1: Ecommerce  2: Edupay  3: Pajak 4: Rumah Sakit |
| **3** | billing\_code\_id | | M | String | Kode Produk billing number |
| **4** | billing\_number\_type | | M | String | o: Open Billing number, c: Close billing number |
|  | billing\_data | | M | Object |  |
| **5** |  | billing\_number\_code | M | String | Kode billing VA yang di upload |
| **6** |  | billing\_number\_name | M | String | Nama VA yang di upload |
| **7** |  | billing\_number\_nominal | M |  | Nominal VA yang di upload |
| 8 | billing\_number\_reg\_by | | M | String | User yang melakukan registrasi Virtual Account Single |
| 10 | expired\_at | | M | String | Tanggal kedaluwarsa billing number yang di input |
|  | | | | | |
| **Contoh Request** | | | | | |
| {  "cin": "2600",  "client\_type": "0",  "billing\_code\_id": "02",  "billing\_number\_type": "o",  "billing\_data": [  {  "billing\_number\_code": "102123912302131",  "billing\_number\_name": "Bayar Tagihan",  "billing\_number\_nominal": "200000"  },  {  "billing\_number\_code": "102123912122131",  "billing\_number\_name": "Bayar Tagihan 2",  "billing\_number\_nominal": "200000"  }  ],  "billing\_number\_reg\_by": "user test",  "expired\_at": "2022-12-12"  } | | | | | |

## Response

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **BODY** | | | | | |
| **NO** | **FIELD** | | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | cin | | M | String | Customer Identification Number (CIN) in BJB  Length:  - VA Offline: 2 digit  - E-Commerce: 3 digit  - Edupay: 4 digit  - Pajak: 3 digit (use Kota/Kabupaten code)  - Rumah Sakit: 3 digit |
| **2** | client\_type | | M | String | Client Type Prefix:  0: VA Offline  1: Ecommerce  2: Edupay  3: Pajak 4: Rumah Sakit |
| **3** | billing\_code\_id | | M | String | Kode Produk billing number |
| **4** | billing\_number\_type | | M | String | o: Open Billing number, c: Close billing number |
|  | billing\_data | | M | Object |  |
| **5** |  | billing\_number\_code | M | String | Kode billing VA yang di upload |
| **6** |  | billing\_number\_name | M | String | Nama VA yang di upload |
| **7** |  | billing\_number\_nominal | M |  | Nominal VA yang di upload |
| 8 | billing\_number\_reg\_by | | M | String | User yang melakukan registrasi Virtual Account Single |
| 9 | expired\_at | | M | String | Tanggal kedaluwarsa billing number yang di input |
|  | | | | | |
| **Contoh Request** | | | | | |
| {  "rc": "0000",  "rc\_desc": "sukses",  "cin": "2600",  "client\_type": "0",  "billing\_code\_id": "02",  "billing\_number\_type": "o",  "billing\_data": [  {  "billing\_number\_code": "102123912302131",  "billing\_number\_name": "Bayar Tagihan",  "billing\_number\_nominal": "200000"  },  {  "billing\_number\_code": "102123912122131",  "billing\_number\_name": "Bayar Tagihan 2",  "billing\_number\_nominal": "200000"  }  ],  "billing\_number\_reg\_by": "user test",  "expired\_at": "2022-12-12"  } | | | | | |

## Response Code

|  |  |  |
| --- | --- | --- |
| **NO** | **RC** | **DESCRIPTION** |
| **1** | 0000 | Sukses |
| **2** | 0400 | Nomor VA masih aktif, tidak dapat melakukan update |
| **3** | 0410 | Gagal Menyimpan temp approval va |

## List Approval VA

## Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URL** | | **{baseURL}/va-offline/approval\_list** | |  |
| **Method** | | **POST** |  |  |
| **Accept** | | application/json |  |  |
|  | | | | |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | approval\_status\_id | M | String | Status approval yang akan ditampilkan  0 : menunggu persetujuan  1: Approved  2: rejected |
|  |  |  |  |  |
|  | | | | |
| **Contoh Request** | | | | |
| {  "approval\_status\_id": "0"  } | | | | |

## Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | |
| **Contoh response** | | | | |
| {  "rc": "0000",  "rc\_desc": "2 data ditemukan.",  "data": [  {  "created\_at": "12-12-2012",  "cin": "121",  "va\_bc\_title": "BIAYA PENDIDIKAN",  "va\_bc\_name": "Pembayaran ABC",  "va\_bn\_batch\_id": "012310391209312",  "va\_bn\_reg\_by": "Aku",  "jumlah\_data": "10",  "approval\_status\_id": "0",  "approval\_status\_id\_desc": "Menunggu Approval"  },  {  "created\_at": "12-12-2012",  "cin": "121",  "va\_bc\_title": "BIAYA PENDIDIKAN TINGGI",  "va\_bc\_name": "Pembayaran ABC Ke 5",  "va\_bn\_batch\_id": "012310391209312",  "va\_bn\_reg\_by": "Aku",  "jumlah\_data": "10",  "approval\_status\_id": "0",  "approval\_status\_id\_desc": "Menunggu Approval"  }  ]  } | | | | |

## Response Code

|  |  |  |
| --- | --- | --- |
| **NO** | **RC** | **DESCRIPTION** |
| **1** | 0000 | Sukses |
| **2** | 0400 | Format Rquest Tidak Sesuai |
|  |  |  |

## Detail List Approval VA

## Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URL** | | **baseURL}/va-offline/detail\_approval\_list** | |  |
| **Method** | | **POST** |  |  |
| **Accept** | | application/json |  |  |
|  | | | | |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | va\_bn\_batch\_id | M | String | Bacth number id dari Approval List |
|  |  |  |  |  |
|  | | | | |
| **Contoh Request** | | | | |
| {  " va\_bn\_batch\_id ": "1232131236126321-126dahskjasdah"  } | | | | |

## Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | |
| **Contoh response** | | | | |
| {  "rc": "0000",  "rc\_desc": "2 data ditemukan.",  "data": {  "created\_at": "12-12-2012",  "cin": "121",  "va\_bc\_title": "BIAYA PENDIDIKAN",  "va\_bc\_name": "Pembayaran ABC",  "va\_bn\_batch\_id": "012310391209312",  "va\_bn\_reg\_by": "Aku",  "jumlah\_data": "10",  "approval\_status\_id": "0",  "approval\_status\_id\_desc": "Menunggu Approval",  "billing": [  {  "billing\_number": "871237812831",  "billing\_nominal": "10000",  "billing\_expired": "12-12-2022",  "is\_update": "N"  },  {  "billing\_number": "87123781283111",  "billing\_nominal": "10000",  "billing\_expired": "12-12-2022",  "is\_update": "Y"  }  ]  }  } | | | | |

## Response Code

|  |  |  |
| --- | --- | --- |
| **NO** | **RC** | **DESCRIPTION** |
| **1** | 0000 | Sukses |
| **2** | 0400 | Format Rquest Tidak Sesuai |
|  |  |  |

## Approval VA Offline

## Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URL** | | **baseURL}/va-offline/approval\_action** | |  |
| **Method** | | **POST** |  |  |
| **Accept** | | application/json |  |  |
|  | | | | |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
| **1** | va\_bn\_batch\_id | M | String | Bacth number id dari Approval List |
| **2** | action\_id | M | String | Aksi approval yang dilakukan  1 : Approved  2: Rejected |
| 3 | notes | O | String | Catatan Approval |
|  | | | | |
| **Contoh Request** | | | | |
| {  " va\_bn\_batch\_id ": "1232131236126321-126dahskjasdah",  " action\_id ": "1",  " notes ": "test"  } | | | | |

## Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BODY** | | | | |
| **NO** | **FIELD** | **REQUIRED** | **FORMAT** | **DESCRIPTION** |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | |
| **Contoh response** | | | | |
| {  "rc": "0000",  "rc\_desc": "Sukses melakukan approval."  } | | | | |

## Response Code

|  |  |  |
| --- | --- | --- |
| **NO** | **RC** | **DESCRIPTION** |
| **1** | 0000 | Sukses |
| **2** | 0400 | Format Rquest Tidak Sesuai |
|  |  |  |