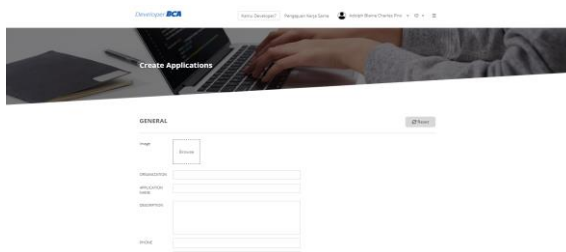


Login ke developer portal API BCA



Tekan tombol Create Application



Masukan info yang diperlukan di form ini, lalu tekan **Save Application**

GENERAL

Reset

Image

Browse

ORGANIZATION

Test Aplikasi BCA

APPLICATION NAME

Sandbox BCA

DESCRIPTION

Sandbox BCA

PHONE

EMAIL

ENABLE APPLICATION

SELECT APIs (selected: 6)

Filter

API Name	Description	Selected
Business Banking		
Transfer ke Bank Lain	Fitur transfer dalam rupiah ke rekening bank lain dalam negeri.	<input checked="" type="checkbox"/>
Transfer	Menyediakan fasilitas transfer antar rekening BCA yang praktis dan aman. Kini transfer semakin mudah dilakukan.	<input checked="" type="checkbox"/>
Informasi Saldo	Menyediakan informasi saldo rekening sehingga perencanaan transaksi finansial semakin mudah dan nyaman.	<input checked="" type="checkbox"/>
Manajemen Misi dan Rekening Bully	Manajemen dana hampangan. Bisa untuk mengelola pengeluaran bulatannya.	<input checked="" type="checkbox"/>

Save Application →

Lalu klik Application yang tadi baru saja di save, kemudian drop down untuk melihat **API Keys** dan **OAUTH CREDENTIALS** nya.

API KEYS

API Key	Javascript Origins	Description	Secret Key
8777ea2-fb34-4331-8123-6156aa5476b2	*	29 Jun 2021, 09:16	9ee26e93-7420-4e63-b014-47f22c9720e8

OAUTH CREDENTIALS

Order ID	Type	Javascript Origins	Description	Secret Key
852acac0-3056-468c-87e0-af1c39a391ad	Confidential	*	29 Jun 2021, 09:16	73ae65bbe-209c-40f9-9106-3ae37a4837ef

Utilities	Text
Utilities Signature	Text

Kita bisa melihat fitur yang bisa dites setelah memilih di Apps tadi API apa saja yang diinginkan muncul.

Selected APIs

API Key	Description	Action
Notification of Credit Facility Status		Test
Loan Payment Notification		Test
Invoice Payment Notification		Test
Invoice sending		Test
Invoice cancellation		Test
The inquiry status of kuasa pendebitan relining		Test
Notification of kuasa pendebitan relining		Test
Registration of kuasa Pendebitan Relining		Test
Information on Fund Blocking Transaction		Test
Fund blocking		Test
Change fund blocking		Test
Cancellation of fund blocking		Test
Collection		Test
Notification of Credit Facility Status		Test
Cancellation of Fund Transfer		Test
Partner Account Balance Information		Test
Amendments to Remittances		Test
Fund Transfer Transactions		Test
Beneficiary's Account Information		Test

1. GET TOKEN

- 1 Masuk ke Utilities untuk mendapatkan access token (dapat dilihat pada Documentation parameter yang diperlukan)
- 2 Lakukan encoding base 64 pada nilai client_id:client_secret (tanda titik dua ':') juga harus disertakan saat encoding)

GENERAL Edit Application

NAME	Sandbox	ENABLED	YES
DESCRIPTION	Flour API Sandbox	STATUS	APPROVED
ORGANIZATION	Test Flour Sandbox BCA	CREATED BY	Assign Blake Charles Prio Domo Ekap
PHONE	08128668789	CREATED ON	23 Mar 2021 10:22
EMAIL	malipri@98881.co.id		

Selected APIs

API Key	Description	Action
Utilities		Test
Utilities-Signature		Test
General File Form		Test
Distributor Financing		Test

API KEYS

API Key	JavaScript Origin	Description	Secret Key
4230a7466a470283ba41448878f8f	*	23 Mar 2021 10:21	17f1197b-a441-4814-a79c-c770e2794cc

OAuth CREDENTIALS

Client ID	Type	JavaScript Origin	Description	Secret Key
a3304e3450843a3b3e328bca8eac79	Confidential	*	23 Mar 2021 10:21	2f1197b-a441-4814-a79c-c770e2794cc

Encode to Base64 format

Simply enter your data then push the encode button.

a3304e3450843a3b3e328bca8eac79:2f1197b-a441-4814-a79c-c770e2794cc

To encode binaries (like images, documents, etc.) use the file upload form a little further down on this page.

UTF-8 Destination character set.
LF (Unix) Destination newline separator.
 Encode each line separately (useful for when you have multiple entries).
 Split lines into 76 character wide chunks (useful for MIME).
 Perform URL-safe encoding (uses Base64URL format).
 Live mode OFF Encodes in real-time as you type or paste (supports only the UTF-8 character set).

ENCODE Encodes your data into the area below.

YTMzMDRjZjMnJWwOC9RMQ2eUWJyY2ZGJyZUR0OGVhYz5GJmMTE5NDZlWE9ENEN0pNcH0WZjVhM3ZjbnZTAmOTRlYm==

3. Content type diisi dengan : application/x-www-form-urlencoded
4. grant_type diisi dengan : client_credentials
5. Authorization diisi dengan nilai : Basic:base64(client_id:client_secret)

Utilities

POST /oauth/token

Parameter	Value	Description	Parameter Type	Data Type
Content-Type	application/x-www-form-urlencoded		header	string
grant_type	client_credentials		formData	string
Authorization	Basic YTMzMDRjZjMnJWwOC9RMQ2eUWJyY2ZGJyZUR0OGVhYz5GJmMTE5NDZlWE9ENEN0pNcH0WZjVhM3ZjbnZTAmOTRlYm==		header	string

Send Request **Hide Response**

Request URL

https://10.20.132.50:8080/api/oauth/token

Response Body

```
{
  "access_token": "YTMzMDRjZjMnJWwOC9RMQ2eUWJyY2ZGJyZUR0OGVhYz5GJmMTE5NDZlWE9ENEN0pNcH0WZjVhM3ZjbnZTAmOTRlYm==",
  "token_type": "Bearer",
  "expires_in": 3600,
  "scope": "resource:READ"
}
```

Response Code

200

3. GET HIT API TRANSACTION

Langkah terakhir adalah memanggil API yang sudah disiapkan signature-nya.

Isi authorization dengan : Bearer<spasi>Access Token (yang didapat dari proses sebelumnya)

X-BCA Signature adalah calculated HMAC yang didapat saat proses generate signature

Body diisi dengan JSON Request yang dipanggil saat proses generate signature sebelumnya. Pada contoh ini API Transfer memiliki request payload sebagai berikut:

```
{
  "CorporateID": "BCAAPI2016",
  "SourceAccountNumber": "0201245680",
  "TransactionID": "00000001",
  "TransactionDate": "2016-01-30",
  "ReferencelD": "12345/PO/2016",
  "CurrencyCode": "IDR",
  "Amount": "100000.00",
  "BeneficiaryAccountNumber": "0201245681",
  "Remark1": "Transfer Test",
  "Remark2": "Online Transfer"
}
```

Pada percobaan di sandbox ada beberapa field yang harus menggunakan nilai default yaitu:

Source Account Number : **0201245680**

Beneficiary Account Number : **0201245681,0201245501**

Content-type diisi dengan **application/json**

X-BCA-KEY adalah **API Key**

X-BCA Timestamp nilainya **harus sama** dengan timestamp saat memanggil signature

Bank Transfer

API Catalogue

The screenshot displays an API testing interface for a 'POST' request. The request configuration is as follows:

Parameter	Value	Description	Parameter Type	Data Type
Authorization	Bearer E7dusBx3j4TV9E1C43u5iPV2j770c	OAuth access token	header	string
X-BCA-Signature	b49a008c9be77e07fb82e48a9e34cf689	HMAC Signature	header	string
X-BCA-Timestamp	2020-03-24T17:43:00.000+07:00	Timestamp on format 'yyyy-MM-ddTHH:mm:ss.SSSTZD'	header	string
X-BCA-Key	42345ba7-66b4-4702-93bc-e1c44db5f6b	API Key	header	string
body	<pre>{ "Remark1": "Transfer Test", "Remark2": "Online Transfer" }</pre>	Your JSON request	body	string
Parameter content type	application/json			
Content-Type	application/json	application/json	header	string

Send Request → Hide Response

Request URL
`http://38.28.226.16:8063/simulator/banking/corporates/transfers/`

Response Body

```
{
  "TransactionID": "00000001",
  "TransactionDate": "2021-01-04",
  "ReferencelD": "12345/PO/2021",
  "Status": "Success"
}
```

Response Code
200