
vAPI

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CHAPTER 1

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If you would like to contribute to this open project, feel free to email us at contact@vnappmob.com

CHAPTER 2

Province API

This module allows users to get a list of province, district & ward in Vietnam

2.1 Quick reference

Resource	Operation	Description
1. Province	<i>GET /api/province/</i>	Get list of provinces
2. District	<i>GET /api/province/district/(string:province_id)</i>	Get list of districts with {province_id}
3. Ward	<i>GET /api/province/ward/(string:district_id)</i>	Get list of wards with {district_id}

2.2 Details

GET /api/province/

This function allows users to get a list of provinces in Vietnam

Request:

```
GET /api/province HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "province_id": 92,
      "province_name": "Thành ph Hà Ni",
      "province_type": "Thành ph Trung ng"
    }
  ]
}
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

GET /api/province/district/ (string: *province_id*)

This function allows users to get a list of districts in Vietnam followed by {province_id}

Request:

```
GET /api/province/district/{province_id} HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "district_id": 271,
      "district_name": "Huyn Ba Vi"
    }
  ]
}
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

GET /api/province/ward/ (string: *district_id*)

This function allows users to get a list of wards in Vietnam followed by {district_id}

Request:


```
GET /api/province/ward/{district_id} HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "ward_id": 271,
      "ward_name": "Th trn Tây Đng"
    }
  ]
}
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

Gold Price API (version 2)

This module allows users to get gold data

3.1 Quick reference

Resource	Operation	Description
1. SJC Price	<i>GET /api/v2/gold/sjc</i>	Get SJC Gold Price
	<i>POST /api/v2/gold/sjc</i>	Post SJC Gold Price
2. DOJI Price	<i>GET /api/v2/gold/doji</i>	Get DOJI Gold Price
	<i>POST /api/v2/gold/doji</i>	Post DOJI Gold Price
3. PNJ Price	<i>GET /api/v2/gold/pnj</i>	Get PNJ Gold Price
	<i>POST /api/v2/gold/pnj</i>	Post PNJ Gold Price

3.2 Usage permission

To use this API, please self-request `api_key` at https://vapi.vnappmob.com/api/request_api_key?scope=gold

The `api_key` will be expired by default after 15 days

3.3 Details

GET /api/v2/gold/doji

This function allows users to get the latest DOJI Gold price

Request:

```
GET /api/v2/gold/dojo HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "buy_hcm": 42550000.00,
      "sell_hcm": 42550000.00
    }...
  ]
}
```

Query Parameters

- **date_from** – Set date from query
- **date_to** – Set date to query

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- 200 OK – OK
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

POST /api/v2/gold/dojo

This function allows data manager to push newest data

Request:

```
POST /api/v2/gold/dojo HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **buy_hcm** (*float*) – buy_hcm
- **sell_hcm** (*float*) – sell_hcm
- **buy_hn** (*float*) – buy_hn
- **sell_hn** (*float*) – sell_hn

Status Codes

- 201 Created – Successful
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

GET /api/v2/gold/sjc

This function allows users to get the latest SJC Gold price

Request:

```
GET /api/v2/gold/sjc HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "buy_11": 42550000.00,
      "sell_11": 42550000.00
    }...
  ]
}
```

Query Parameters

- **date_from** – Set date from query
- **date_to** – Set date to query

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- 200 OK – OK
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

POST /api/v2/gold/sjc

This function allows data manager to push newest data

Request:

```
POST /api/v2/gold/sjc HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **buy_11** (*float*) – buy_11
- **sell_11** (*float*) – sell_11
- **buy_1c** (*float*) – buy_1c
- **sell_1c** (*float*) – sell_1c
- **buy_nhan1c** (*float*) – buy_nhan1c
- **sell_nhan1c** (*float*) – sell_nhan1c
- **buy_trangsuc49** (*float*) – buy_trangsuc49
- **sell_trangsuc49** (*float*) – sell_trangsuc49

Status Codes

- **201 Created** – Successful
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

GET /api/v2/gold/pnj

This function allows users to get the latest PNJ Gold price

Request:

```
GET /api/v2/gold/pnj HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
```

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```

    {
      "buy_hcm": 42550000.00,
      "sell_hcm": 42550000.00
    }...
  ]
}

```

Query Parameters

- **date_from** – Set date from query
- **date_to** – Set date to query

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- **200 OK** – OK
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

POST /api/v2/gold/pnj

This function allows data manager to push newest data

Request:

```

POST /api/v2/gold/pnj HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json

```

Response:

```

HTTP/1.1 201 Created
Vary: Accept

```

Request Headers

- **Authorization** – Bearer <api_keyscope=gold|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **buy_hcm** (*float*) – buy_hcm
- **sell_hcm** (*float*) – sell_hcm
- **buy_hn** (*float*) – buy_hn
- **sell_hn** (*float*) – sell_hn

Status Codes

- **201 Created** – Successful

- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

Exchange rate API (version 2)

This module allows users to get exchange rate data

4.1 Quick reference

Resource	Operation	Description
1. Vietcombank (VCB)	<i>GET /api/v2/exchange_rate/vcb</i>	Get all Vietcombank (VCB) exchange rate
	<i>POST /api/v2/exchange_rate/vcb</i>	Post new exchange rate
2. Vietinbank (CTG)	<i>GET /api/v2/exchange_rate/ctg</i>	Get all Vietinbank (CTG) exchange rate
	<i>POST /api/v2/exchange_rate/ctg</i>	Post new exchange rate
3. Techcombank (TCB)	<i>GET /api/v2/exchange_rate/tcb</i>	Get all Techcombank (TCB) exchange rate
	<i>POST /api/v2/exchange_rate/tcb</i>	Post new exchange rate
4. BIDV	<i>GET /api/v2/exchange_rate/bid</i>	Get all BIDV exchange rate
	<i>POST /api/v2/exchange_rate/bid</i>	Post new exchange rate
5. Sacombank (STB)	<i>GET /api/v2/exchange_rate/stb</i>	Get all Sacombank (STB) exchange rate
	<i>POST /api/v2/exchange_rate/stb</i>	Post new exchange rate
SBV	<i>GET /api/v2/exchange_rate/sbv</i>	Get all SBV exchange rate
	<i>POST /api/v2/exchange_rate/sbv</i>	Post new exchange rate

4.2 Usage permission

To use this API, please self-request `api_key` at https://vapi.vnappmob.com/api/request_api_key?scope=exchange_rate

The `api_key` will be expired by default after 15 days

4.3 Details

GET /api/v2/exchange_rate/sbv

This function allows users to get the latest Ngân Hàng Nhà Nc (SBV) exchange rate

Request:

```
GET /api/v2/exchange_rate/sbv HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy": 25416.27,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy": 23130.00,
      "sell": 23250.00
    }
  ]
}
```

Request Headers

- **Authorization** – Bearer <api_key|scope=exchange_rate|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- **200 OK** – OK
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

POST /api/v2/exchange_rate/sbv

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/sbv HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **post_datas** (*List [json]*) – List of json data with below params
- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy** (*float*) – buy
- **sell** (*float*) – sell

Status Codes

- **201 Created** – Successful
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

GET /api/v2/exchange_rate/vcb

This function allows users to get the latest Vietcombank (VCB) exchange rate

Request:

```
GET /api/v2/exchange_rate/vcb HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy_cash": 25416.27,
      "buy_transfer": 25492.75,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy_cash": 23130.00,
```

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```
        "buy_transfer": 23130.00,  
        "sell": 23250.00  
    }...  
]  
}
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- **200 OK** – OK
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

POST /api/v2/exchange_rate/vcb

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/vcb HTTP/1.1  
Host: https://vapi.vnappmob.com  
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created  
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **post_datas** (*List[json]*) – List of json data with below params
- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy_cash** (*float*) – buy_cash
- **buy_transfer** (*float*) – buy_transfer
- **sell** (*float*) – sell

Status Codes

- **201 Created** – Successful
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

GET /api/v2/exchange_rate/ctg

This function allows users to get the latest Vietinbank (CTG) exchange rate

Request:

```
GET /api/v2/exchange_rate/ctg HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy_cash": 25416.27,
      "buy_transfer": 25492.75,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy_cash": 23130.00,
      "buy_transfer": 23130.00,
      "sell": 23250.00
    }
  ]
}
```

Request Headers

- **Authorization** – Bearer <api_key|scope=exchange_rate|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- **200 OK** – OK
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

POST /api/v2/exchange_rate/ctg

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/ctg HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **post_datas** (*List [json]*) – List of json data with below params
- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy_cash** (*float*) – buy_cash
- **buy_transfer** (*float*) – buy_transfer
- **sell** (*float*) – sell

Status Codes

- **201 Created** – Successful
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

GET /api/v2/exchange_rate/tcb

This function allows users to get the latest Techcombank (TCB) exchange rate

Request:

```
GET /api/v2/exchange_rate/tcb HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy_cash": 25416.27,
      "buy_transfer": 25492.75,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy_cash": 23130.00,
      "buy_transfer": 23130.00,
      "sell": 23250.00
    }
  ]
}
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=0>

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – OK
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

POST /api/v2/exchange_rate/tcb

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/tcb HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- Authorization – Bearer <api_key|scope=exchange_rate|permission=1>
- Content-Type – application/json

Request JSON Object

- **post_datas** (*List [json]*) – List of json data with below params
- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy_cash** (*float*) – buy_cash
- **buy_transfer** (*float*) – buy_transfer
- **sell** (*float*) – sell

Status Codes

- 201 Created – Successful
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

GET /api/v2/exchange_rate/bid

This function allows users to get the latest BIDV exchange rate

Request:

```
GET /api/v2/exchange_rate/bid HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy_cash": 25416.27,
      "buy_transfer": 25492.75,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy_cash": 23130.00,
      "buy_transfer": 23130.00,
      "sell": 23250.00
    }
  ]
}
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- **200 OK** – OK
- **400 Bad Request** – Error
- **403 Forbidden** – Fail on authorization

POST /api/v2/exchange_rate/bid

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/bid HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_keyscope=exchange_rate|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **post_datas** (*List [json]*) – List of json data with below params

- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy_cash** (*float*) – buy_cash
- **buy_transfer** (*float*) – buy_transfer
- **sell** (*float*) – sell

Status Codes

- 201 Created – Successful
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

GET /api/v2/exchange_rate/stb

This function allows users to get the latest Sacombank (STB) exchange rate

Request:

```
GET /api/v2/exchange_rate/stb HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "currency": "EUR",
      "buy_cash": 25416.27,
      "buy_transfer": 25492.75,
      "sell": 26258.39
    },
    {
      "currency": "USD",
      "buy_cash": 23130.00,
      "buy_transfer": 23130.00,
      "sell": 23250.00
    }
  ]
}
```

Request Headers

- **Authorization** – Bearer <api_key|scope=exchange_rate|permission=0>

Response Headers

- **Content-Type** – application/json

Status Codes

- 200 OK – OK
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

POST /api/v2/exchange_rate/stb

This function allows data manager to push newest data

Request:

```
POST /api/v2/exchange_rate/stb HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 201 Created
Vary: Accept
```

Request Headers

- **Authorization** – Bearer <api_key|scope=exchange_rate|permission=1>
- **Content-Type** – application/json

Request JSON Object

- **post_datas** (*List [json]*) – List of json data with below params
- **currency** (*string*) – currency code (3 chars: VND, USD...)
- **buy_cash** (*float*) – buy_cash
- **buy_transfer** (*float*) – buy_transfer
- **sell** (*float*) – sell

Status Codes

- 201 Created – Successful
- 400 Bad Request – Error
- 403 Forbidden – Fail on authorization

5.1 Quick reference

Resource	Operation	Description
1. vBiz	<i>GET /api/vbiz/search/(string:keyword)</i>	Find business by {vbiz_code} or {vbiz_name}
2. vBiz	<i>GET /api/vbiz/(string:vbiz_code)</i>	Get business details with {vbiz_code}
3. vBiz	<i>GET /api/vbiz/cat/(string:vbiz_category_id)</i>	Get list business with {vbiz_category_id}

5.2 Details

GET `/api/vbiz/search/` (**string:** *keyword*)

This function allows users to search Vietnamese businesses by business tax's ID or by business name

Request:

```
GET /api/vbiz/search/{keyword} HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
```

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```
"results": [
  {
    "vbiz_name": "",
    "vbiz_code": ""
  }
]
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

GET /api/vbiz/cat/ (string: *vbiz_category_id*)

This function allows users to get list of Vietnamese business information followed by business category

Request:

```
GET /api/vbiz/cat/{vbiz_category_id} HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "vbiz_code": "",
      "vbiz_address": "",
      "vbiz_phone": "",
      "vbiz_email": "",
      "vbiz_website": "",
      "vbiz_register_date": ""
    }
  ]
}
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

GET /api/vbiz/ (string: *vbiz_code*)

This function allows users to get Vietnamese business information followed by business tax's ID

Request:

```
GET /api/vbiz/{vbiz_code} HTTP/1.1
Host: https://vapi.vnappmob.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Content-Type: application/json

{
  "results": [
    {
      "vbiz_code": "",
      "vbiz_address": "",
      "vbiz_phone": "",
      "vbiz_email": "",
      "vbiz_website": "",
      "vbiz_register_date": ""
    }
  ]
}
```

Response Headers

- Content-Type – application/json

Status Codes

- 200 OK – results

CHAPTER 6

Indices and tables

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- `modindex`
- `search`

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HTTP Routing Table

/api

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GET /api/province/district/ (string:province_id),
4
GET /api/province/ward/ (string:district_id),
4
GET /api/v2/exchange_rate/bid, 19
GET /api/v2/exchange_rate/ctg, 16
GET /api/v2/exchange_rate/sbv, 14
GET /api/v2/exchange_rate/stb, 21
GET /api/v2/exchange_rate/tcb, 18
GET /api/v2/exchange_rate/vcb, 15
GET /api/v2/gold/doji, 7
GET /api/v2/gold/pnj, 10
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