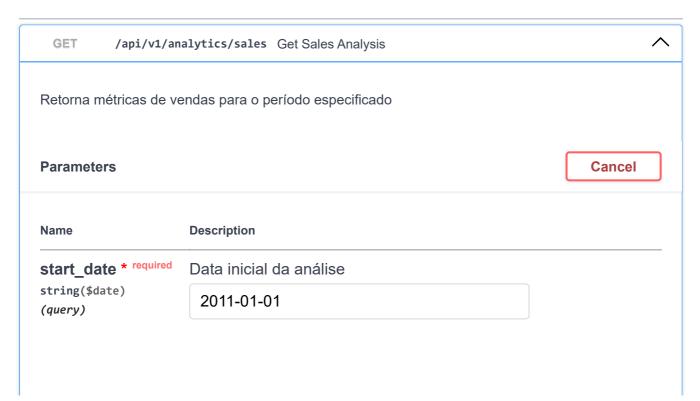
RetailSense Al 1.0.0 OAS 3.1

/openapi.json

analytics Endpoints para análise de dados e métricas



Name **Description** end_date * required Data final da análise string(\$date) 2011-12-01 (query)

> **Execute** Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/sales?start date=2011-01&end date=2011-12-01'
  -H 'accept: application/json'
```

Request URL

http://localhost:8000/api/v1/analytics/sales?start date=2011-01-01&end date=2011-12-01

Server response

Details Code

200

Response body

```
"total_sales": 547971.47,
"average_ticket": 11.835236933045357,
"total_customers": 3501,
"total_transactions": 11643,
```

Download

Response headers

```
content-length: 183
content-type: application/json
date: Thu,14 Nov 2024 01:31:05 GMT
server: uvicorn
```

Responses

Code	Description	Links

200 Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
Code
            Description
                                                                                   Links
               "total_sales": 0,
               "average_ticket": 0,
               "total_customers": 0,
              "total_transactions": 0,
              Validation Error
                                                                                   No links
422
            Media type
              application/json
            Example Value Schema
               "detail": [
                   "loc": [
                     "string",
                   "msg": "string",
"type": "string"
              ]
             }
 GET
           /api/v1/analytics/sales/temporal Get Sales Temporal
Retorna análise temporal de vendas com médias móveis e tendências
Parameters
                                                                                Cancel
Name
                     Description
start_date * required
                     Data inicial da análise
string($date)
                       2011-01-01
(query)
end_date * required
                     Data final da análise
string($date)
                       2011-02-01
(query)
                     Janela para média móvel (dias)
window
integer
                       7
(query)
```

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/sales/temporal?start_date=2011-01-01&end_date=2011-0
  -H 'accept: application/json'
```

4

Request URL

http://localhost:8000/api/v1/analytics/sales/temporal?start_date=2011-01-01&end_date=2011-02-01&window=7

Server response

Code

Details

200

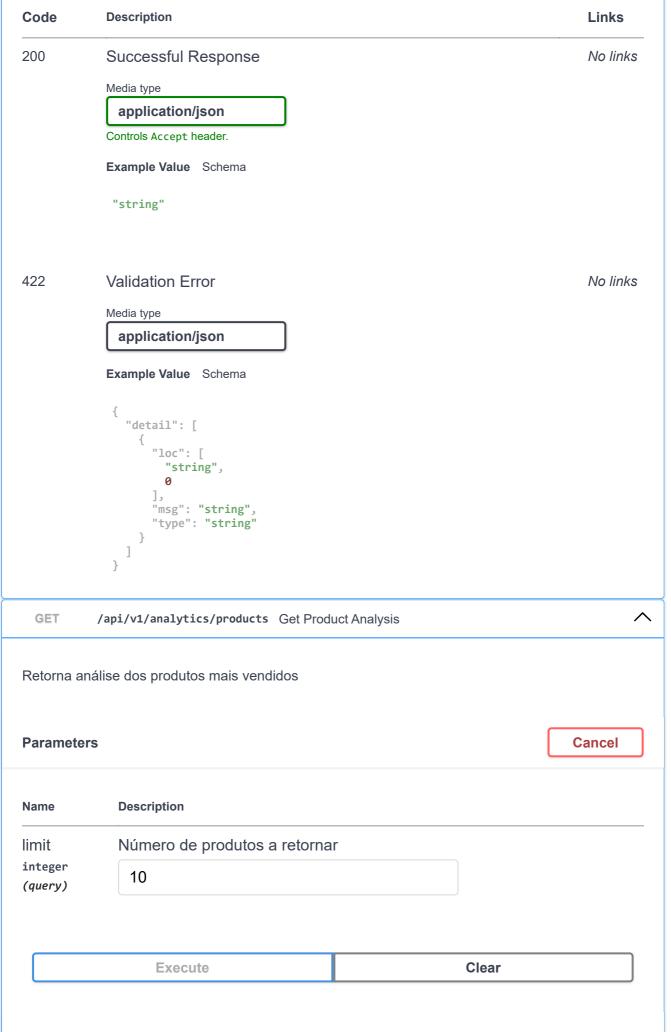
Response body

```
"total_sales": 11145.85,
"transactions": 36,
"unique_customers": 27,
"moving_avg_sales": 13720.02,
"trend": "down",
"growth_rate": -47.47
"date": "2011-01-19",
"total_sales": 12698.43,
"transactions": 33,
"unique_customers": 32,
"moving_avg_sales": 13178.42,
"trend": "down",
"growth_rate": 13.93
"date": "2011-01-20"
"total_sales": 12772.75,
"transactions": 36,
"unique_customers": 30,
"moving_avg_sales": 12984.14,
"trend": "down",
"growth_rate": 0.59
"date": "2011-01-21",
                                                                  Download
"total_sales": 14722.04,
```

Response headers

```
content-length: 3675
content-type: application/json
date: Thu,14 Nov 2024 01:31:30 GMT
server: uvicorn
```

Responses



Responses

```
Curl
```

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/products?limit=10' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8000/api/v1/analytics/products?limit=10

Server response

Code

Details

200

Response body

```
"product_code": "85099B",
"description": "JUMBO BAG RED RETROSPOT",
"total_quantity": 1586,
"total_revenue": 3621.64,
"category": "Decoração com Velas e Acessórios Românticos",
"price_category": "Barato"
"product_code": "23298",
"description": "SPOTTY BUNTING",
"total_quantity": 633,
"total_revenue": 3133.35,
"category": "Decoração e Artigos Temáticos",
"price_category": "Barato"
"product_code": "84879",
"description": "ASSORTED COLOUR BIRD ORNAMENT",
"total_quantity": 1770,
"total_revenue": 3037.06,
"category": "Decoração e Artigos Temáticos",
"price_category": "Barato"
"product_code": "20725",
"description": "LUNCH BAG RED RETROSPOT",
                                                                 Download
"total_quantity": 1487,
"total_revenue": 2814.25,
```

Response headers

content-length: 1866
content-type: application/json
date: Thu,14 Nov 2024 01:31:42 GMT
server: uvicorn

Responses

Code

. . . .

Description

Links

200 Successful Response

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
Code
             Description
                                                                                              Links
                   "product_code": "string",
"description": "string",
                   "total_quantity": 0,
                   "total_revenue": 0,
                   "category": "string",
                   "price_category": "string"
               ]
             Validation Error
                                                                                              No links
422
             Media type
               application/json
             Example Value Schema
                "detail": [
                     "loc": [
                       "string",
                     "msg": "string",
"type": "string"
                ]
               }
  GET
            /api/v1/analytics/customers Get Customer Analysis
Retorna métricas relacionadas aos clientes
Parameters
                                                                                           Cancel
No parameters
                      Execute
                                                                         Clear
Responses
Curl
curl -X 'GET' \
   'http://localhost:8000/api/v1/analytics/customers' \
   -H 'accept: application/json'
Request URL
```

http://localhost:8000/api/v1/analytics/customers

Server response

Code

Details

200

Response body

```
"country": "Belgium",
    "customer_count": 25,
    "average_spend": 15.96
    "country": "Spain",
    "customer count": 22,
   "average spend": 14.27
 }
"customer_segments": {
 "Alto Valor": {
   "segment_name": "Alto Valor",
   "customer_count": 754,
   "average_value": 32.24
  "Médio Valor": {
   "segment_name": "Médio Valor",
    "customer_count": 2347,
   "average_value": 13.35
  "Baixo Valor": {
   "segment name": "Baixo Valor",
   "customer_count": 452,
    "average_value": 3.48
```

Download

Response headers

```
content-length: 692
content-type: application/json
date: Thu,14 Nov 2024 01:31:55 GMT
server: uvicorn
```

Responses

Code Description

Links

200 Successful Response

No links

Media type

application/json

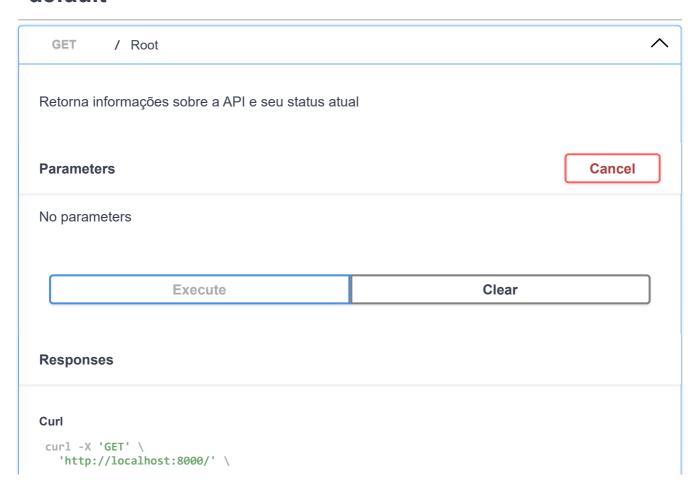
Controls Accept header.

Example Value Schema

```
Code
              Description
                                                                                       Links
                     "segment_name": "string",
                     "customer_count": 0,
                     "average_value": 0
                   "additionalProp2": {
                     "segment_name": "string",
                     "customer_count": 0,
                     "average_value": 0
                   "additionalProp3": {
                     "segment_name": "string",
                     "customer_count": 0,
                     "average_value": 0
                }
health Endpoints para monitoramento da saúde da API
             /api/v1/health Health Check
   GET
 Verifica o status da API e conexão com banco de dados
 Parameters
                                                                                     Cancel
 No parameters
                                                                     Clear
                      Execute
 Responses
 Curl
  curl -X 'GET' \
    'http://localhost:8000/api/v1/health' \
    -H 'accept: application/json'
 Request URL
   http://localhost:8000/api/v1/health
 Server response
              Details
 Code
 200
              Response body
                 "status": "online",
```

```
Code
            Details
                                                                                Download __
               "timestamp": "2024-11-13T22:32:06.829363",
               "database_connected": true,
               "version": "1.0.0"
            Response headers
               content-length: 104
               content-type: application/json
               date: Thu,14 Nov 2024 01:32:06 GMT
               server: uvicorn
Responses
Code
            Description
                                                                                      Links
200
                                                                                       No links
            Successful Response
            Media type
              application/json
            Controls Accept header.
            Example Value Schema
               "status": "string",
               "timestamp": "2024-11-14T01:32:15.357Z",
               "database_connected": true,
               "version": "string"
```

default



```
-H 'accept: application/json'
Request URL
 http://localhost:8000/
Server response
Code
              Details
200
              Response body
                 "app": "RetailSense AI",
                 "version": "1.0.0",
"status": "operational",
                 "timestamp": "2024-11-13T22:32:15.312521",
                 "docs": "/docs",
"health": "/api/v1/health",
                 "endpoints": {
                   "analytics": "/api/v1/analytics",
"health": "/api/v1/health"
                 }
                                                                                             Download
              Response headers
                 content-length: 219
                 content-type: application/json
                 date: Thu,14 Nov 2024 01:32:15 GMT
                 server: uvicorn
Responses
                                                                                                 Links
Code
              Description
                                                                                                 No links
200
              Successful Response
              Media type
                application/json
              Controls Accept header.
              Example Value Schema
               "string"
```

Schemas

CountryMetric > Expand all object

CustomerMetrics > Expand all object

CustomerSegment > Expand all object

HTTPValidationError > Expand all object

HealthCheck > Expand all **object**

ProductAnalytics > Expand all object

SalesMetrics > Expand all **object**

ValidationError > Expand all **object**