

Shopify Product Summary Service - API Documentation

Base URL - `http://localhost:3000`

Overview

The **Shopify Product Summary Service** is a RESTful API built using Node.js that exposes product data from a connected Shopify store. It supports product listing with pagination, fetching individual product details, API statistics, and health checks.

1. Service Info

GET /

Returns basic service information and available endpoints.

Request

GET /

Response - 200 OK

```
{
  "message": "Shopify Product Summary Service",
  "endpoints": {
    "GET /products": "List products (query params: limit, cursor)",
    "GET /products/:id": "Get single product by ID",
    "GET /api-stats": "Get API statistics",
    "GET /health": "Health check"
  }
}
```

2. List Products

GET /products

Fetches a list of products sorted by **title**.
Supports optional **cursor-based pagination**.

Query Parameters

Parameter	Type	Required	Description
limit	number	No	Number of products to return (default depends on implementation)
cursor	string	No	Pagination cursor for fetching the next page

Example Request

GET /products?limit=10&cursor=<next_cursor_value> or
/products?cursor=<next_cursor_value>

Response - 200 OK

```
[
  {
    "id": "gid://shopify/Product/9435036647654",
    "title": "\"404 Not Found\" Coffee Mug",
    "price": 14.99,
    "inventory": 20,
    "created_at": "2025-10-06T22:08:07Z"
  },
  {
    "id": "gid://shopify/Product/9435038679270",
    "title": "\"Hello, World!\" Notebook",
    "price": 12,
    "inventory": 100,
    "created_at": "2025-10-06T22:12:35Z"
  }
]
```

Notes

- Products are sorted alphabetically by **title**
 - Prices and inventory may be 0 for draft or unavailable products
 - If pagination is enabled, the API may return a `next_cursor` value in future iterations
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3. Get Product by ID

GET /products/:id

Fetches details of a single product using its Shopify **Global ID (GID)**.

Path Parameters

Parameter	Type	Required	Description
id	string	Yes	Shopify Product GID

Example Request

GET /products/gid://shopify/Product/9577128394982

Response - 200 OK

```
{
  "id": "gid://shopify/Product/9577128394982",
  "title": "Plush D20 Dice Pillow",
  "price": 0,
  "inventory": 0,
  "created_at": "2025-12-02T16:51:17Z"
}
```

Error Responses

Status	Meaning
404	Product not found
500	Internal server error

4. API Statistics

GET /api-stats

Returns runtime statistics related to API usage and Shopify API performance.

Request

GET /api-stats

Response - 200 OK

```
{
  "endpoint_response_times_ms": {
    "average": 426,
    "max": 426,
    "min": 426
  },
  "total_endpoint_calls": 1,
  "average_shopify_call_responsetime_ms": 391,
  "total_shopify_api_calls": 1
}
```

Metrics Explained

- **endpoint_response_times_ms** - API response timing statistics
- **total_endpoint_calls** - Number of API endpoint calls made
- **average_shopify_call_responsetime_ms** - Average response time from Shopify API
- **total_shopify_api_calls** - Total Shopify API calls executed

5. Health Check

GET /health

Used for service monitoring and uptime checks.

Request

GET /health

Response - 200 OK

```
{
  "status": "ok"
}
```

Data Model - Product

Field	Type	Description
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id	string	Shopify Global Product ID
title	string	Product title
price	number	Product price
inventory	number	Available inventory quantity
created_at	string (ISO 8601)	Product creation timestamp