


Document Title: "Day 3 - API Integration Report – AccessoryHub"

Installation of Sanity

```
? Create a new project or select an existing one Create new project
? Your project name: marketplacetechnicalfoundation1
Your content will be stored in a dataset that can be public or private, depending on
whether you want to query your content with or without authentication.
The default dataset configuration has a public dataset named "production".
? Use the default dataset configuration? Yes
✓ Creating dataset
? Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
? Do you want to use TypeScript? Yes
? Would you like an embedded Sanity Studio? Yes
? What route do you want to use for the Studio? /studio
? Select project template to use Clean project with no predefined schema types
? Would you like to add the project ID and dataset to your .env.local file? Yes
Added http://localhost:3000 to CORS origins
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
npm warn deprecated @sanity/block-tools@3.70.0: Renamed - use `@portabletext/block-tools` instead. `@sanity/block-tools` will no longer receive updates.


added 906 packages, and audited 1274 packages in 4m

245 packages are looking for funding
PS E:\Next JS\MILESTONE 3\marketplace Technical Foundation\marketplacetechnicalfoundation> npm run import-data
```

 Uzair Zia

marketplacetechnicalfoundation1

30 days left in trial



PLAN

Growth Trial

STATUS

Active

PROJECT ID

a6duiied

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings


Usage

View more →

0 / 1m API CDN Requests	55 / 250k API Requests
0 B / 100 GB Assets	175 KB / 100 GB Bandwidth
1 / 2 Datasets	10 / 10k Documents
1 / 20 User seats	

Project members

View all →




Invite your first team member

[+ Invite project members](#)

Activity

View more →

 Jan 18 at 8:26 AM

API token admin was added to the project

5 new

Create Content Mapping, Visual Editing, content Releases

y

S

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U

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Webhooks

CORS origins

Tokens

Name

Examples: "Employee import", "Website preview" or "PDF generator".

admin

Permissions

Choose the access privileges for the token.

Contributor

☐

Read and write access to draft content within all datasets, with no access to project settings. (Tokens: read+write drafts)

☐

Deploy Studio (Token only)

Access to deploy Sanity Studio and GraphQL APIs to our hosted service.

☐

Developer

Read and write access to all datasets, with access to project settings for developers. (Tokens: read+write)

☒

Editor

Read and write access to all datasets, with limited access to project settings. (Tokens: read+write)

☐

Viewer

Read access to all datasets, with limited access to project settings. (Tokens: read-only)

Save

Cancel

S

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U

Getting started

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Tokens

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	13 hours	
http://localhost:3333	Allowed	13 hours	

Tokens

[+ Add API token](#)

Tokens are used to authenticate apps and scripts to access project data.

NAME	PERMISSIONS	CREATED	
admin	Editor	13 hours	

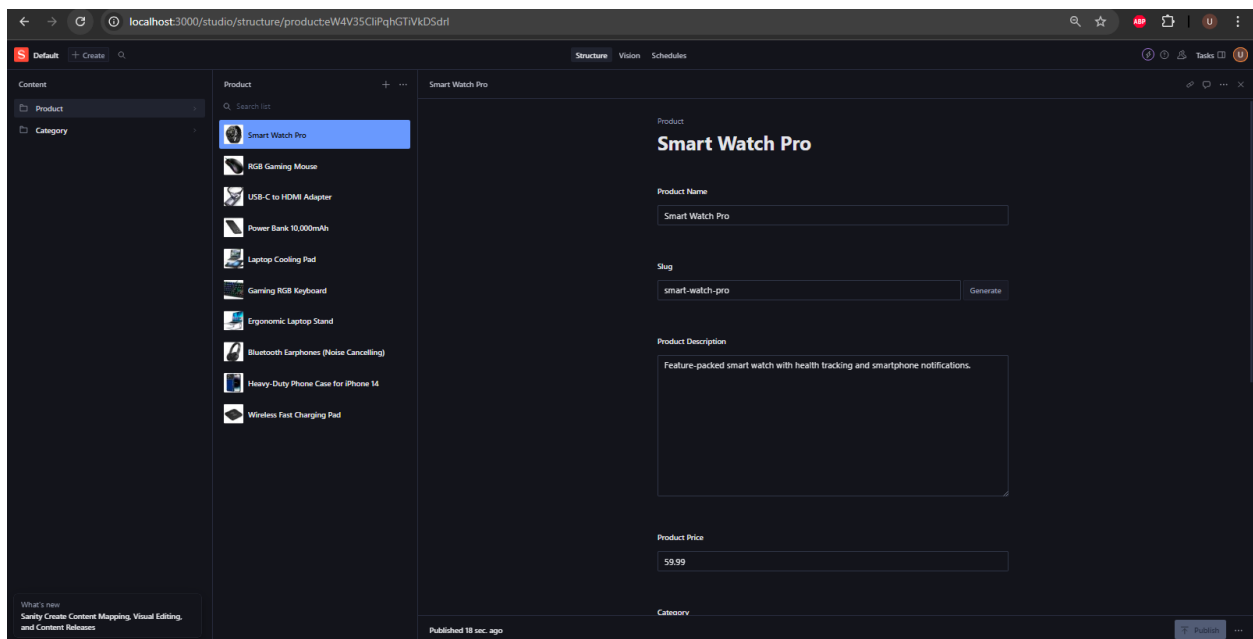
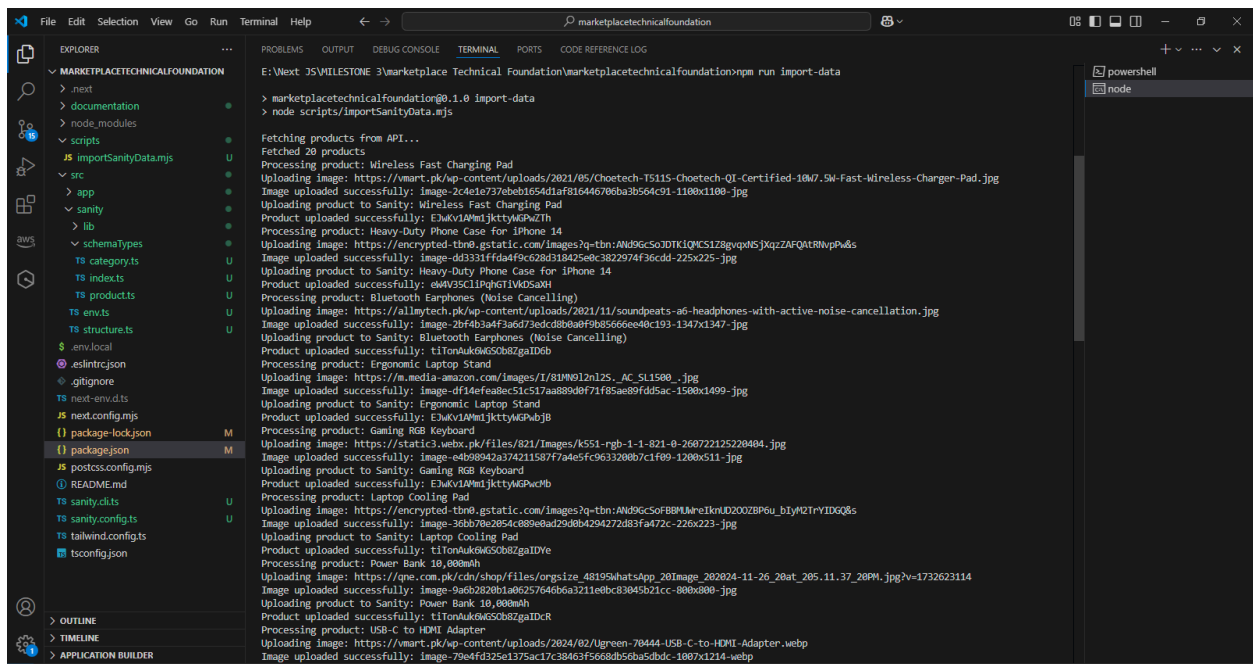
```
File Edit Selection View Go Run Terminal Help
$ .env.local TS indexes U TS products U X
src > sanity > schemaTypes > TS products > ...
1
2 export default {
3   name: 'product',
4   type: 'document',
5   title: 'Product',
6   fields: [
7     {
8       name: 'name',
9       type: 'string',
10      title: 'Product Name'
11    },
12    {
13      name: 'slug',
14      type: 'slug',
15      title: 'Slug',
16      options: {
17        source: 'name'
18      }
19    },
20    {
21      name: 'description',
22      type: 'text',
23      title: 'Product Description',
24    },
25    {
26      name: 'price',
27      type: 'number',
28      title: 'Product Price'
29    },
30    {
31      name: 'category',
32      type: 'reference',
33      title: 'Category',
34      to: [{type: 'category'}]
35    },
36    {
37      name: 'image',
38      type: 'image',
39      title: 'Product Image',
40    }
41  ]
42 }
```

The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure for 'MARKETPLACETECHNICALFOUNDATION', including files like '.next', 'documentation', 'node_modules', 'scripts', 'src', 'app', 'sanity', 'lib', 'schemaTypes', 'category.ts', 'index.ts', 'products.ts', 'env.ts', 'structure.ts', '.env.local', 'eslint.config', '.gitignore', 'next-env.d.ts', 'next.config.mjs', 'package-lock.json', 'package.json', 'postcss.config.mjs', 'README.md', 'sanity.d.ts', 'sanity.config.ts', 'tailwind.config.ts', and 'tsconfig.json'. The 'scripts' directory is expanded, showing 'importSanityData.mjs'. The main editor area displays the content of this file, which is a JavaScript module. It imports 'createClient' from '@sanity/client', 'axios' from 'axios', 'dotenv' from 'dotenv', and 'fileURLToPath' from 'url'. It also imports 'path' from 'path'. The code defines a function 'uploadImageToSanity' that takes an 'imageUrl' and uses 'axios' to fetch the image, then uploads it to Sanity. Another function 'importData' is defined, which fetches products from an API and processes them, including uploading images to Sanity. The file is named 'importSanityData.mjs' and is located in the 'scripts' directory.

```
1 import { createClient } from '@sanity/client'
2 import axios from 'axios'
3 import dotenv from 'dotenv'
4 import { fileURLToPath } from 'url'
5 import path from 'path'
6
7 // Load environment variables from .env.local
8 const __filename = fileURLToPath(import.meta.url)
9 const __dirname = path.dirname(__filename)
10 dotenv.config({ path: path.resolve(__dirname, '../.env.local') })
11 // Create Sanity client
12 const client = createClient({
13   projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
14   dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
15   useCdn: false,
16   token: process.env.SANITY_API_TOKEN,
17   apiVersion: '2021-08-31'
18 })
19
20 async function uploadImageToSanity(imageUrl) {
21   try {
22     console.log('Uploading image: ${imageUrl}')
23     const response = await axios.get(imageUrl, { responseType: 'arraybuffer' })
24     const buffer = Buffer.from(response.data)
25     const asset = await client.assets.upload('image', buffer, {
26       filename: imageUrl.split('/').pop()
27     })
28     console.log('Image uploaded successfully: ${asset.id}')
29     return asset.id
30   } catch (error) {
31     console.error('Failed to upload image:', imageUrl, error)
32     return null
33   }
34 }
35
36 async function importData() {
37   try {
38     console.log('Fetching products from API...')
39     const response = await axios.get('https://677deb9594bde1c12529bf80.mockapi.io/ecommerceweb/products')
40     const products = response.data
41     console.log('Fetched ${products.length} products')
42     for (const product of products) {
43       console.log('Processing product: ${product.name}')
44       let imageRef = null
45       if (product.image) {
46         imageRef = await uploadImageToSanity(product.image)
47       }
48       const sanityProduct = {
49         _type: 'product',
50         name: product.name,
51         description: product.description,
52         stock: product.stock,
53         price: product.price,
54         discountPercentage: 0,
55         priceWithoutDiscount: product.price,
56         tags: product.category ? [product.category] : [],
57         sizes: [],
58         image: imageRef ? {
59           _type: 'image',
60           asset: {
```

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```
1 {
2   "name": "marketplacetechnicalfoundation",
3   "version": "0.1.0",
4   "private": true,
5   "scripts": {
6     "dev": "next dev",
7     "build": "next build",
8     "start": "next start",
9     "lint": "next lint",
10    "import-data": "node scripts/importSanityData.mjs"
11  },
```



localhost:3000/studio/vision

Default + Create

Structure Vision Schedules

Tasks

production

Other

v2025-01-18

raw

https://afduied.api.sanity.io/v2025-01-18/data/query/production?query=%5B%5D%3D

1

*[_type == 'product']

PARAMS

1 {

2 }

3 }

What's new

Sanity Create Content Mapping, Visual Editing, and Content Releases

[-] 10 items

0: [-] 14 properties

description: A compact and lightweight fast wireless charger compatible with all Qi-enabled devices.

discountPercentage: 0

price: 29.99

_createdAt: 2025-01-18T14:47:02Z

_updatedAt: 2025-01-18T14:47:02Z

_rev: E3wKv1AMw1jkttyMPwZQf

_type: product

sizes: [] 0 items

tags: [-] 1 item

0: [-] 2 items

0: Mobile Accessories

1: Charging Devices

image: [-] 2 properties

_type: image

asset: [-] 2 properties

_ref: image-2c4e1e737eb1654d1af816446706ba3b564c91-1100x1100-jpg

_type: reference

priceWithoutDiscount: 29.99

stock: 120

1: [-] 14 properties

image: [-] 2 properties

_type: image

asset: [-] 2 properties

_ref: image-df14efea8ec51c517aa889d0f71f85ae89fd5ac-1500x1499-jpg

_type: reference

_rev: E3wKv1AMw1jkttyMPwbg9

tags: [-] 1 item


0: [-] 2 items

Execution: 3ms End-to-end: 174ms


Save result as JSON CSV

localhost:3000


AccessoriesHub Data fetched from Sanity




Wireless Fast Charging Pad
A compact and lightweight fast wireless charger compatible with all Qi-enabled devices.
Mobile Accessories
\$29.99 ~~\$-79.09~~




Ergonomic Laptop Stand
Adjustable aluminum laptop stand for improved posture and ventilation.
Laptop Accessories
\$39.99 ~~\$-89.09~~




Gaming RGB Keyboard
Maple Gaming Keyboard with 7-Color RGB LED Backlighting for an immersive gaming experience.
Laptop Accessories
\$28 ~~\$-78.00~~




RGB Gaming Mouse
Ergonomic gaming mouse with adjustable DPI and customizable RGB lighting.
Laptop Accessories
\$18.99 ~~\$-68.00~~




Heavy-Duty Phone Case for iPhone 14
Shockproof and waterproof case with military-grade protection.
Mobile Accessories
\$19.99 ~~\$-69.09~~




USB-C to HDMI Adapter
Compact USB-C to HDMI adapter supporting 4K video output.
Laptop Accessories
\$14.99 ~~\$-64.00~~




Smart Watch Pro
Feature-packed smart watch with health tracking and smartphone notifications.
Mobile Accessories
\$69.99 ~~\$-109.99~~



Bluetooth Earphones (Noise Cancelling)
High-quality noise-cancelling Bluetooth earphones with a long-lasting battery and immersive sound.
Mobile Accessories
\$35.5 ~~\$-85.60~~



Laptop Cooling Pad



Power Bank 10,000mAh

