

# DAY 3 - API INTEGRATION AND DATA MIGRATION

## 1. Sanity Installation & Sanity Create Project:

```
E:\Day-03 Hackhton\code>npm create sanity@latest
Need to install the following packages:
create-sanity@3.70.0
Ok to proceed? (y) y

> code@0.1.0 npx
> create-sanity

You are logged in as bil2023aljutt@gmail.com using Google
Fetching existing projects

Create a new project or select an existing one Create new project
Your project name: dayapi3
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.
```

```
Run `npm audit` for details.

added 16 packages, and audited 1293 packages in 9s

245 packages are looking for funding
  run `npm fund` for details

1 moderate severity vulnerability

To address all issues, run:
  npm audit fix --force

Run `npm audit` for details.

Success! Your Sanity configuration files has been added to this project
```

## 2. Token Add:

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30 days left in trial

?

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PLAN

Growth Trial

STATUS

Active

PROJECT ID

etkyy0vj

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

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30 days left in trial

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API

Settings

Learn more about webhooks

Get more webhooks

Webhooks

CORS origins

Tokens

There are no GROQ-powered webhooks in this project  
Maybe try creating a new webhook?

CORS origins

+ Add CORS origin

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	16 minutes	
http://localhost:3333	Allowed	16 minutes	

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30 days left in trial

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Getting started

Overview

Members

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Webhooks

CORS origins

Tokens

Tokens

+ Add API token

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

Name

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

DAY03API

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)

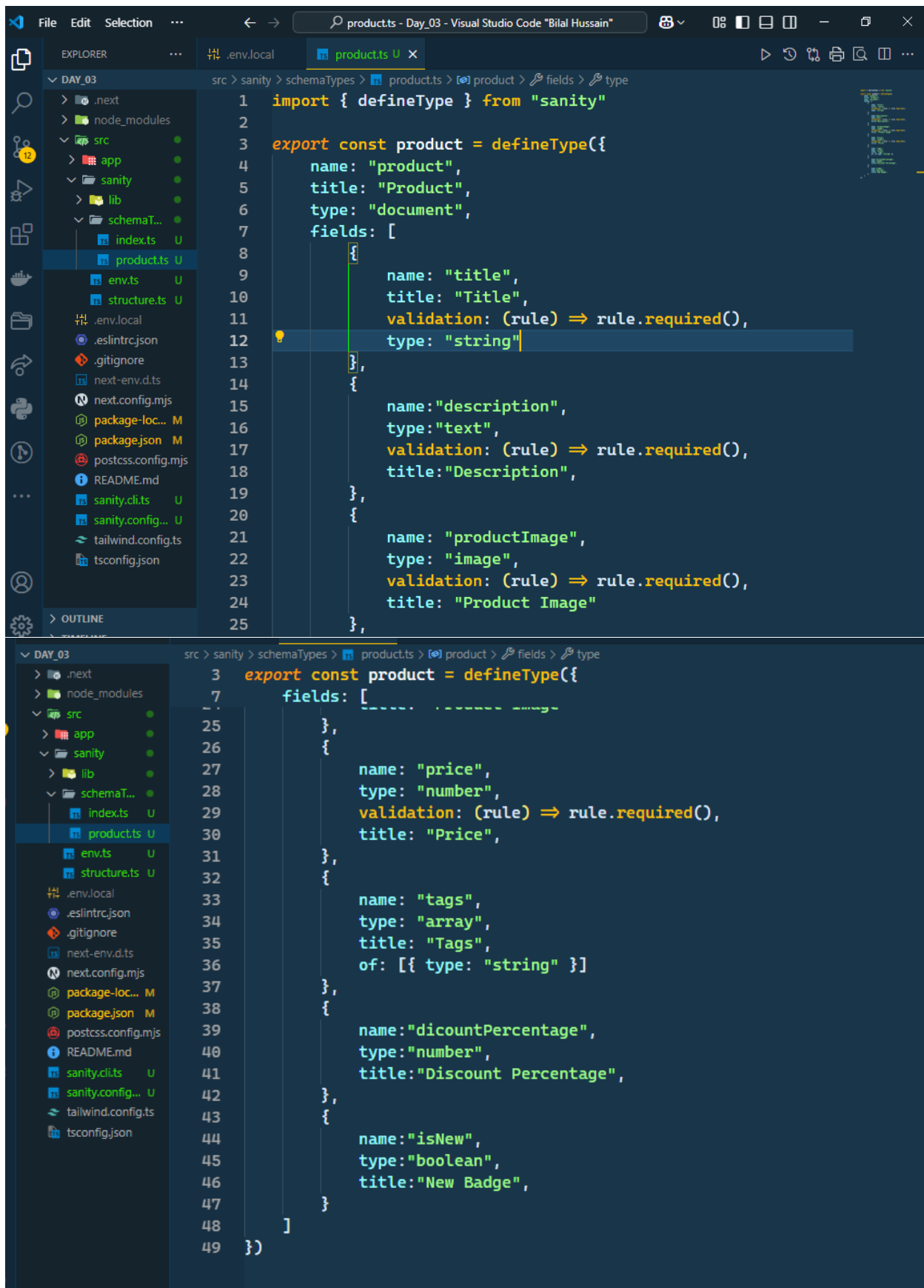
Viewer

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

Save

Cancel

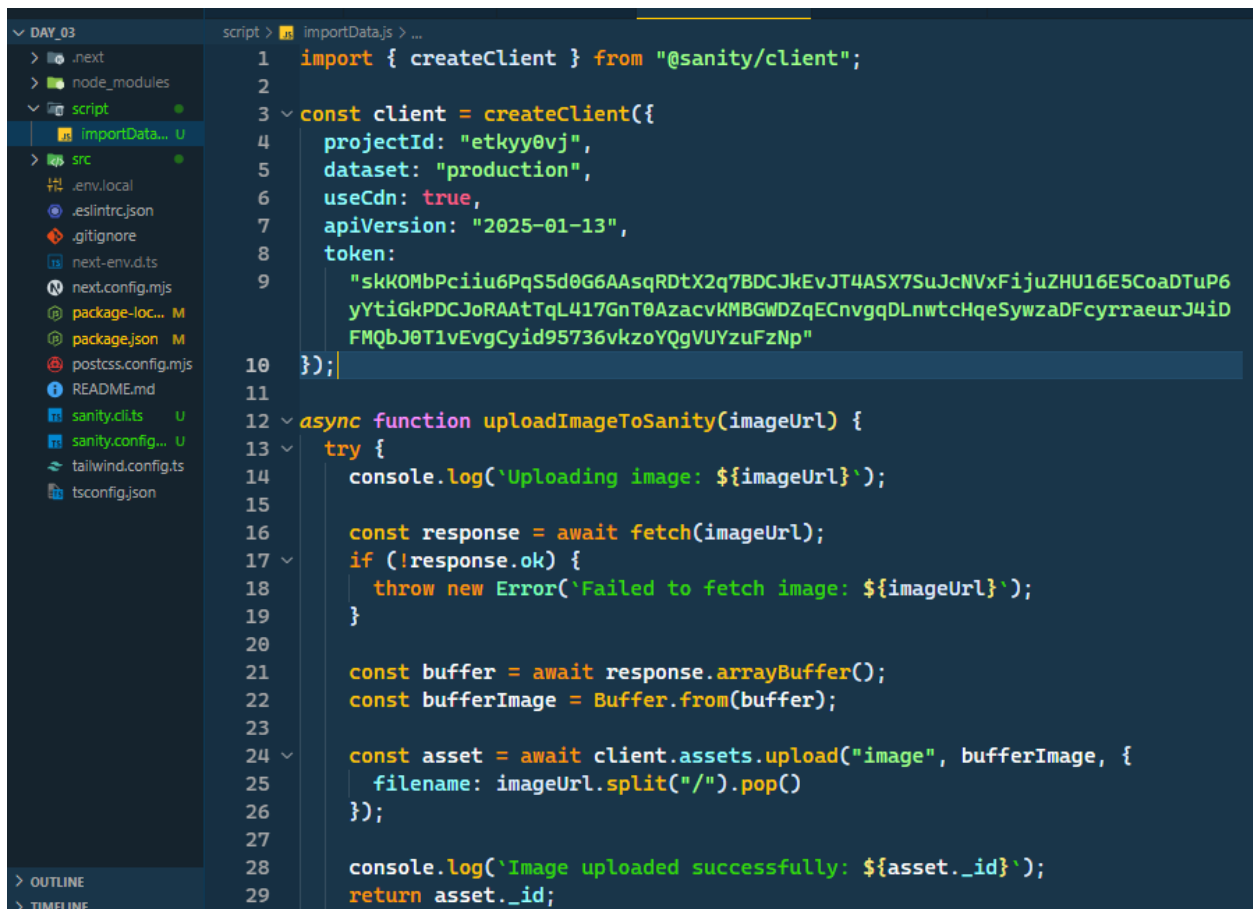
### 3. Migration Process and Tools Utilized



```
1 import { defineType } from "sanity"
2
3 export const product = defineType({
4   name: "product",
5   title: "Product",
6   type: "document",
7   fields: [
8     {
9       name: "title",
10      title: "Title",
11      validation: (rule) => rule.required(),
12      type: "string"
13    },
14    {
15      name: "description",
16      type: "text",
17      validation: (rule) => rule.required(),
18      title: "Description",
19    },
20    {
21      name: "productImage",
22      type: "image",
23      validation: (rule) => rule.required(),
24      title: "Product Image"
25    }
26  ]
27 })
```

```
3 export const product = defineType({
7   fields: [
25     },
26     {
27       name: "price",
28       type: "number",
29       validation: (rule) => rule.required(),
30       title: "Price",
31     },
32     {
33       name: "tags",
34       type: "array",
35       title: "Tags",
36       of: [{ type: "string" }]
37     },
38     {
39       name: "discountPercentage",
40       type: "number",
41       title: "Discount Percentage",
42     },
43     {
44       name: "isNew",
45       type: "boolean",
46       title: "New Badge",
47     }
48   ]
49 })
```

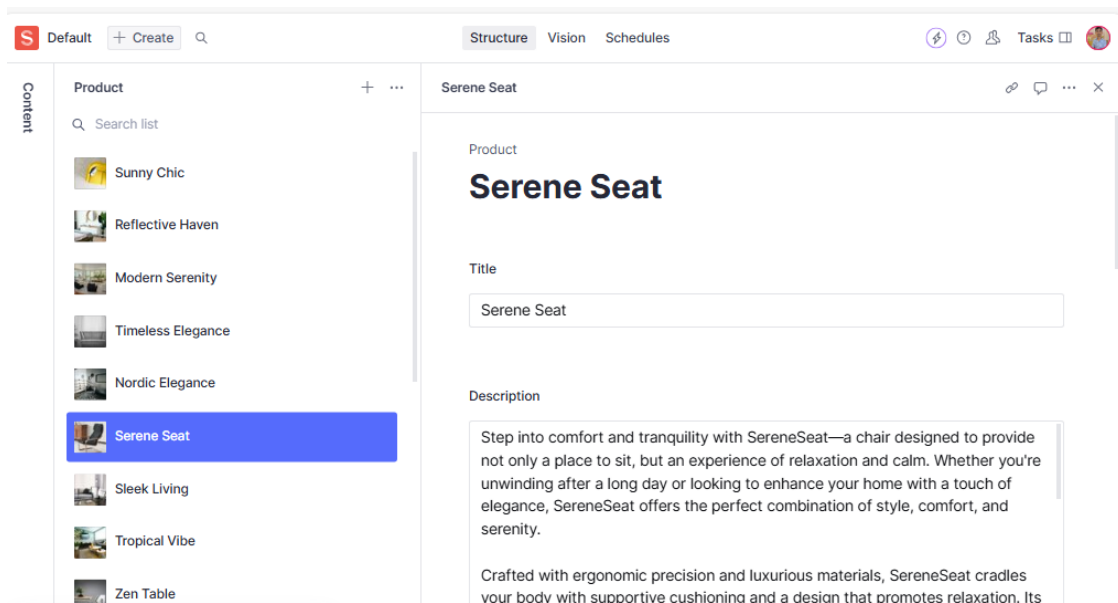
```
1 import { type SchemaTypeDefinition } from 'sanity'
2 import { product } from './product'
3
4 export const schema: { types: SchemaTypeDefinition[] } = {
5   types: [product],
6 }
7
```



```
1 import { createClient } from '@sanity/client';
2
3 const client = createClient({
4   projectId: 'etkyy0vj',
5   dataset: 'production',
6   useCdn: true,
7   apiVersion: '2025-01-13',
8   token:
9     'skk0MbPciiu6PqS5d0G6AAsqRDtX2q7BDCJkEvJT4ASX7SuJcNVxFijuZHU16E5CoaDTuP6
10     yYtiGkPDCJoRAAtTqL417GnT0AzacvKMBGWDZqECnvgqDLnwtcHqeSywzaDFcyrraeurJ4iD
11     FMQbJ0T1vEvgCyid95736vkzoYQgVUYzuFzNp"
12 });
13
14 async function uploadImageToSanity(imageUrl) {
15   try {
16     console.log('Uploading image: ${imageUrl}');
17     const response = await fetch(imageUrl);
18     if (!response.ok) {
19       throw new Error('Failed to fetch image: ${imageUrl}');
20     }
21     const buffer = await response.arrayBuffer();
22     const bufferImage = Buffer.from(buffer);
23
24     const asset = await client.assets.upload('image', bufferImage, {
25       filename: imageUrl.split('/').pop()
26     });
27
28     console.log('Image uploaded successfully: ${asset._id}');
29     return asset._id;
30   }
31 }
32
```

```
DAY_03 package.json > {} scripts > import-data
You, 29 seconds ago | 1 author (You)
1 {
2   "name": "code",
3   "version": "0.1.0",
4   "private": true,
5   "type": "module",
6   "scripts": {
7     "dev": "next dev",
8     "build": "next build",
9     "start": "next start",
10    "lint": "next lint",
11    "import-data": "node script/importData.js"
12  },
13  "dependencies": {
14    "@sanity/client": "^6.25.0",
15    "@sanity/image-url": "^1.1.0",
16    "@sanity/vision": "^3.70.0"
```

## 5. Screenshots:



Content

Product

Product

Search list

Sunny Chic

Reflective Haven

Modern Serenity

Timeless Elegance

Nordic Elegance

Serene Seat

Sleek Living

Tropical Vibe

What's new

Sanity Create Content Mapping, Visual Editing, and Content Releases

Default

Create

Structure

Vision

Schedules

Tasks

DATASET

production

API VERSION

Other

CUSTOM API VERSION

v2025-01-21

PERSPECTIVE

raw

QUERY URL [COPY TO CLIPBOARD]

https://etkyy0vj.api.sanity.io/v2025-01-21/data/q

QUERY

1 \*[[type == product]]

PARAMS

1 {

2 }

3 }

RESULT

[...] 58 items

0: { ... } 12 properties

isNew: false

\_updatedAt: 2025-01-21T07:38:27Z

dicountPercentage: 30

\_createdAt: 2025-01-21T07:38:27Z

\_rev: 03H5IWZJxxErG40FS9K0QU

description: Introducing TimberCraft—a collection that celebrates the timeless beauty of wood craftsmanship and the art of nature’s finest materials. Inspired by the rustic charm and durability of natural wood, TimberCraft brings warmth, character, and a touch of handcrafted elegance to any space. Perfect for those who value authenticity and sustainability, this collection combines the strength of timber with refined design, making it the ideal choice for modern and traditional homes alike. Each piece in the TimberCraft collection is meticulously crafted to highlight the unique grains and textures of the wood, bringing an organic, earthy feel to your space. Whether you're looking for furniture, decor, or accents, TimberCraft offers a variety of beautifully designed pieces that blend rustic appeal with contemporary sophistication. The collection is designed to stand the test of time, with materials chosen for their durability and lasting beauty. TimberCraft is perfect for those who appreciate quality, craftsmanship, and the enduring beauty of wood. From striking tables and chairs to decorative accessories, this collection adds a natural elegance to any room, transforming your living area into a warm and welcoming retreat. Key Features: Made from high-quality, sustainable timber for durability and lasting appeal Rustic yet refined design that complements both modern and traditional

Fetch

Listen


Execution: 21ms End-to-end: 195ms

Save result as

JSON

CSV


## 6. Data Display Fronted



**Rustic Vase Set**

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate timeless beauty...


**Rp 210**



**Amber Haven**

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glow and timeless beauty...

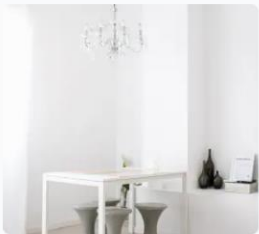
**Rp 150**



**Vase Set**

Elevate your home decor with the timeless beauty of the Vase Set. Designed to complement any interior style, this carefully...

**Rp 150**



**Syltherine**

Introducing Syltherine – the ultimate fusion of elegance and power. Crafted for those who demand exceptional performance, Syltherine is a...

**Rp 200**



### Rustic Vase Set

4.2

☆

56 Ratings

\$210

~~\$240~~

Incl. VAT plus shipping

🚚

2-4 Day Shipping

Add To Cart

Checkout Now

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate timeless beauty and a warm, inviting atmosphere, this set of vases adds a touch of rustic elegance to any space. Crafted with care and attention to detail, these vases are designed to...