

# “Day 3: API Integration Report – [E-Commerce]”

## API Integration Process:

### Setting Up Environment Variables:

To begin, I have been added environment variable in “.env.local” file provided by Sanity after its Installation in My Project. This file holds the environment variables for integrating Sanity with my Next.js project. The essential variables are:

```
""  
NEXT_PUBLIC_SANITY_PROJECT_ID= My_Project_ID  
  
NEXT_PUBLIC_SANITY_DATASET= production  
  
SANITY_API_TOKEN= My_sanity_token  
""
```

### Adding a Script to package.json

To run the import script, I need to add a new script to our package.json file. Open your package.json and add the following to the "scripts" section:

```
""  
  
"scripts": {  
  
  "dev": "next dev --turbo",  
  
  "build": "next build",  
  
  "start": "next start",  
  
  "lint": "next lint",  
  
  "import-data": "node scripts/importSanityData.mjs"  
  
}  
""
```

## Installing Necessary Packages

To enable API integration with Sanity and third-party services, I installed the following packages:

```
npm install @sanity/client axios dotenv
```

## Running the Import Script

Finally, I executed the import script with the following command:

```
npm run import-data
```

## Adjustments Made to Schemas

I customized the product schema in Sanity to align with the structure of the external API data with My Next.js Project. The schema includes fields for product name, description, price, image, and other relevant details.

## Migration Tools:

- **Axios:** For fetching data from the third-party API.
- **Sanity Client:** For inserting the transformed data into the Sanity backend.
- **Node.js Scripts:** Custom scripts were written for automating the migration process.

## Conclusion

By following this process, I successfully integrated Sanity with my Next.js project, customized schemas for my product data, and migrated products from a third-party API into Sanity. This setup provides a robust and flexible solution for managing content while maintaining scalability for future needs.