



FM

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Premium Workflow

A practical guide – step by step

Product Feed Sync

Keep product data in sync across storefronts and marketplaces: normalize feeds, validate fields and publish updates automatically.

E-COMMERCE

EXPERT

ABOUT 4 HOURS SETUP

OVERVIEW

Product Feed Sync

Keep product data in sync across storefronts and marketplaces: normalize feeds, validate fields and publish updates automatically.

CATEGORY	DIFFICULTY	DURATION
E-commerce	Expert	About 4 hours setup

What you use it for

E-commerce teams selling across multiple channels.

Tools in this workflow

Shopify Admin API · Supabase · n8n · OpenAI API

How to implement it

1

Import product feeds

Import product data from various sources to enable centralized management and updating of product information.

WHAT YOU NEED TO DO

1. Sign in to your Shopify Admin account and navigate to 'Products > All Products'.
2. Use the Shopify Admin API to import product data from external sources.
3. Create a connection to Supabase to store the imported data.
4. Set up an n8n workflow to regularly update the product data.
5. Verify the imported data in the Supabase database.

CHECK AT THE END

- [] Product data is stored in the Supabase database.
- [] Shopify API connection is successfully set up.

RESULT

Product data is successfully imported from various sources and centrally stored.

LINKS

Shopify Admin API: <https://shopify.dev/api/admin-rest>

2

Normalize and validate fields

Normalize and validate the imported data to ensure all fields are uniformly and correctly formatted.

WHAT YOU NEED TO DO

1. Create a workflow in n8n for data validation.
2. Use Supabase to normalize database fields.
3. Verify data consistency and completeness.
4. Create validation rules in n8n for critical fields.
5. Run the workflow and fix any errors that occur.

CHECK AT THE END

- [] All fields are uniformly formatted.
- [] Validation rules have been successfully applied.

RESULT

Product data is normalized and validated, ready for publication.

3

Enrich descriptions with AI

Use AI-powered tools to optimize and enhance product descriptions.

WHAT YOU NEED TO DO

1. Create an API key for the OpenAI API.
2. Set up a workflow in n8n that uses the OpenAI API to optimize descriptions.
3. Configure the workflow to store optimized descriptions in Supabase.
4. Test the workflow with a small data set.

5. Verify the optimized descriptions for quality and relevance.

CHECK AT THE END

☐ OpenAI API key is configured.

☐ Optimized descriptions are stored in Supabase.

RESULT

Product descriptions have been successfully enriched and optimized using AI.

LINKS

OpenAI API: <https://beta.openai.com/docs/>

4

Publish to marketplaces

Automatically publish updated and enhanced product data on various marketplaces.

WHAT YOU NEED TO DO

1. Create a workflow in n8n to publish products.
2. Use the Shopify Admin API to send product data to marketplaces.
3. Configure the workflow to enable regular updates.
4. Verify publication on marketplaces.
5. Ensure all product data is displayed correctly.

CHECK AT THE END

- ☐ Products are published on all desired marketplaces.
- ☐ Data is regularly updated.

RESULT

Product data is successfully published on marketplaces.

LINKS

Shopify Admin API: <https://shopify.dev/api/admin-rest>

5

Monitor sync errors

Monitor the synchronization process to detect and fix errors in a timely manner.

WHAT YOU NEED TO DO

1. Set up an error monitoring workflow in n8n.
2. Configure notifications for synchronization errors.
3. Regularly review Supabase error logs.
4. Analyze and promptly fix recognized errors.
5. Test the workflow to ensure errors are correctly reported.

CHECK AT THE END

- ☐ The error monitoring workflow is active.
- ☐ Error notifications are configured.

RESULT

The synchronization process will be monitored, and errors will be detected and fixed in a timely manner.

RECOMMENDED TOOLS & RESOURCES

Recommended Tools & Resources

All tools in this workflow with their official website.

Shopify Admin API

<https://shopify.dev/docs/api/admin>

Supabase

<https://supabase.com/?ref=flowmatrix>

Official URL

n8n

<https://n8n.io/?ref=flowmatrix>

Official URL

OpenAI API

<https://platform.openai.com/?ref=flowmatrix>

Official URL

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