



FLOWMATRIX.DEV

Premium Workflow

A practical guide – step by step

Webhook Event Routing

Route incoming webhooks reliably: verify signatures, deduplicate events and forward them to the right services.

ENGINEERING

ADVANCED

ABOUT 2 HOURS SETUP

OVERVIEW

Webhook Event Routing

Route incoming webhooks reliably: verify signatures, deduplicate events and forward them to the right services.

CATEGORY	DIFFICULTY	DURATION
Engineering	Advanced	About 2 hours setup

What you use it for

Platforms integrating with multiple third-party services.

Tools in this workflow

Cloudflare Workers API · Supabase · n8n · Resend Email API

How to implement it

1

Receive webhook payloads

Receive webhook payloads from various sources via HTTP POST requests and ensure that the data is correct and complete.

WHAT YOU NEED TO DO

1. Create a new Cloudflare Worker under 'Workers' > 'Create a Worker'.
2. Define an HTTP POST endpoint in the worker script to receive the payloads.
3. Log the received data for verification of completeness.
4. Store the received payloads in a Supabase database table.

CHECK AT THE END

- [] Cloudflare Worker is active and reachable.
- [] Webhook payloads are correctly stored in the Supabase database.

RESULT

Webhook payloads will be successfully received and stored.

LINKS

Cloudflare Workers API: <https://developers.cloudflare.com/workers/>

2

Verify signatures

Verify the signatures of received webhook payloads to ensure data authenticity.

WHAT YOU NEED TO DO

1. Implement a function in your Cloudflare Worker that verifies the payload signature.
2. Compare the received signature with the expected signature based on a secret key.
3. Log the result of the signature verification for each payload.
4. Only forward payloads with a valid signature to further processing.

CHECK AT THE END

- [] Signature verification is implemented and tested.
- [] Only payloads with a valid signature are forwarded.

RESULT

Only authentic webhook payloads will be allowed for processing.

LINKS

Webhook Security: <https://stripe.com/docs/webhooks/signatures>

3

Deduplicate events

Ensure that no duplicate events are processed by verifying received webhooks for uniqueness.

WHAT YOU NEED TO DO

1. Add a unique event ID field to each incoming webhook.
2. Store the event IDs in a separate table in Supabase.
3. Verify at each new webhook whether the event ID already exists.
4. Only process webhooks with new, unique event IDs.

CHECK AT THE END

- [] Event IDs are correctly generated and stored.
- [] Duplicate events are successfully recognized and ignored.

RESULT

Only unique webhook events are processed.

LINKS

Event Deduplication: <https://supabase.com/docs/guides/realtime>

4

Route to services

Forward verified and deduplicated payloads to the corresponding backend services.

WHAT YOU NEED TO DO

1. Create routing rules based on payload content.
2. Use n8n to send data to various APIs or internal systems.
3. Configure n8n workflows to correctly process payloads.
4. Test routing logic with different payload examples.

CHECK AT THE END

- ☐ Routing rules are correctly implemented.
- ☐ Payloads are successfully forwarded to the right services.

RESULT

Payloads are reliably forwarded to the intended services.

5

Alert on failures

Dismiss alarms to notify your team in case of errors during webhook payload processing.

WHAT YOU NEED TO DO

1. Implement error monitoring in Cloudflare Worker.
2. Use the Resend Email API to send notifications on errors.
3. Configure the email template for error notifications.
4. Test error alarms by intentionally introducing errors in processing.

CHECK AT THE END

- ☐ Error monitoring is active and functioning.
- ☐ Error notifications are being sent correctly.

RESULT

Your team will be notified of errors in webhook processing.

LINKS

Resend Email API: <https://resend.com/docs>

RECOMMENDED TOOLS & RESOURCES

Recommended Tools & Resources

All tools in this workflow with their official website.

Cloudflare Workers API

<https://workers.cloudflare.com/>

Supabase

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

Official URL

n8n

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

Official URL

Resend Email API

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

Official URL

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