

Detailed instructions on how to use Webhook Trigger in n8n

Detailed instructions on how to set up Webhook Trigger in n8n to receive and automate data from third-party applications.

In the n8n automation ecosystem, **Webhook Triggers** are considered the most important "starting point." They allow your workflow to "listen" and respond instantly when an event occurs from third-party applications like Facebook , Google , or your internal system.

This article will guide you on how to set up SEO- friendly Webhook Triggers , making your workflow more professional and fully automated.

What is Webhook Trigger n8n and why should you use it?

What is a Webhook Trigger?

Webhooks are a method that allows applications to communicate with each other in real time. Instead of having to periodically check for data (polling), Webhook Triggers act as an always-open "gateway," waiting for data to be sent.

Why should you use webhooks?

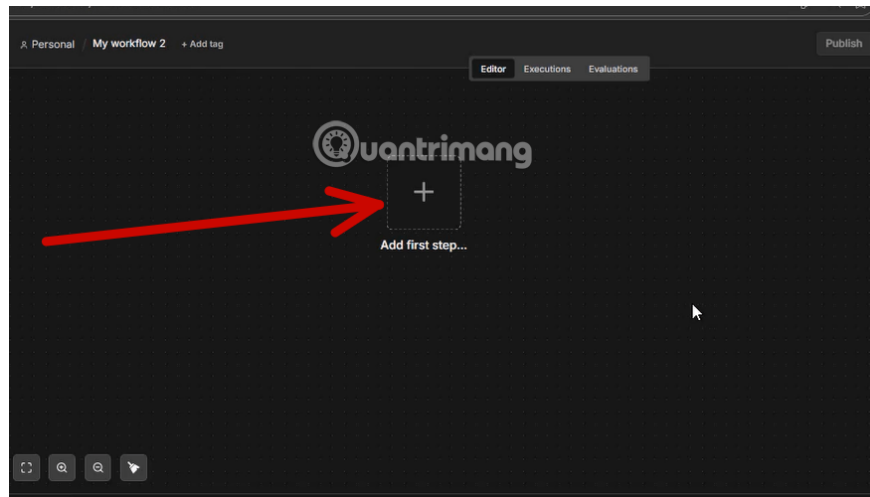
1. **Instant response:** The workflow runs as soon as new data is received.
2. **Save resources:** There's no need to waste resources constantly checking data if there are no changes.
3. **Integration of everything:** Any service that supports "Webhook" or "HTTP POST/GET" can connect to n8n through this Node.

Steps to set up Webhook Trigger in n8n

Follow the detailed steps below to activate your automatic data flow:

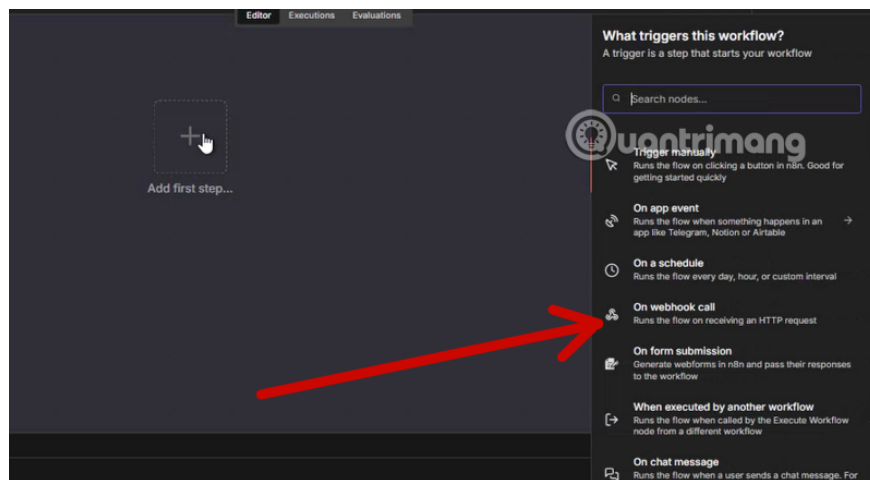
Step 1: Initialize the first step

In the n8n workflow design interface, click the '**Add First Step**' tab to begin building the process.



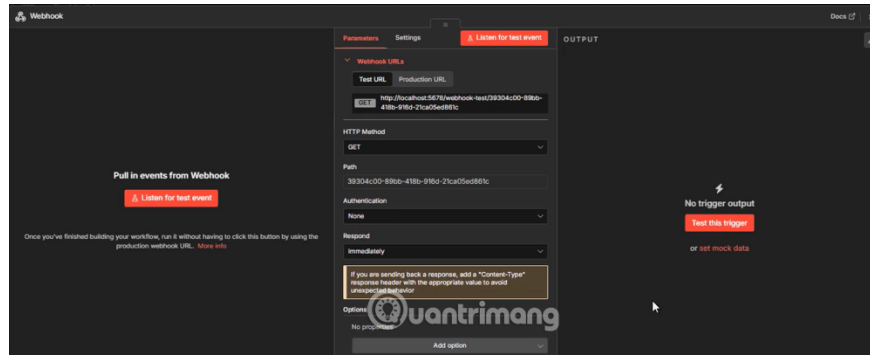
Step 2: Select the Webhook event

From the list of trigger options, find and select 'On Webhook Call' . This is the type of node that will be at the top of the workflow to receive data.



Step 3: Configure technical specifications

Now it's time to set up your "gateway." You need to keep the following points in mind:



1. **HTTP Method:** Select the method for receiving data (usually **POST** for large amounts of data or **GET** for simple data via URL).
2. **Path:** Edit the final path of the URL (Example: my-webhook-endpoint).
3. **Authentication:** Set up security (None, Basic Auth, Header Auth) to ensure only trusted sources can activate the workflow.

You can find more information about this Webhook Node in the section "Explanation of Core Components in Webhook Node" that we have placed below.

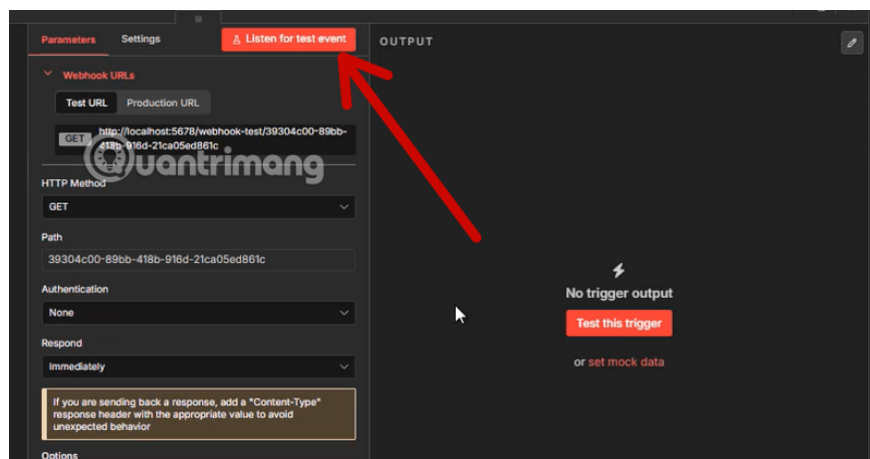
Step 4: Copy the Webhook URL

Nh?p vào **Webhook URL** ?? sao chép nó. B?n s? c?n dán URL này vào d?ch v? ho?c ch??ng trình bên th? ba mà b?n mu?n g?i d? li?u t? ?ó t?i n?n.

L?u ý: n?n cung c?p **Test URL** (?? th? nghi?m) và **Production URL** (khi workflow ?ã ho?t ??ng chính th?c).

B??c 5: Ch?y th? nghi?m (Listen For Test Event)

1. Nh?n vào nút '**Listen For Test Event**'. Lúc này, n?n s? chuy?n sang tr?ng thái ch? ??i. B?n hãy th?c hi?n m?t hành ??ng ? ?ng d?ng bên kia ?? g?i d? li?u v? n?n.



Sau vài giây, khi d? li?u ???c g?i ??n thành công, n8n s? hi?n th? c?u trúc d? li?u nh?n ???c. Nh?n 'Close' ? góc trên bên ph?i ?? quay l?i không gian làm vi?c chính.

B??c 6: Kích ho?t Workflow

1. Cu?i cùng, Webhook Trigger ?ã ???c kích ho?t. Bây gi? b?n có th? n?i thêm các Node ti?p theo (nh? G?i Email, L?u vào Google Sheets) d?a trên d? li?u v?a nh?n ???c.

Gi?i ngh?a các thành ph?n c?t lõi trong Webhook Node

?? s? d?ng Webhook hi?u qu?, b?n c?n hi?u rõ các khái ni?m sau:

1. Webhook URLs (Test URL vs Production URL)

1. **Test URL:** S? d?ng khi b?n ?ang xây d?ng và nh?n nút "Listen for test event". n8n s? ??i m?t tín hi?u g?i ??n ?? hi?n th? d? li?u m?u.
2. **Production URL:** S? d?ng sau khi b?n ?ã nh?n "Save" và "Activate" workflow. ?ây là link c? ??nh ?? ch?y th?c t?.
3. Copy link ?? dán vào ph?n "Webhook URL" c?a ?ng d?ng g?i d? li?u (n?u có).

2. HTTP Method (Ph??ng th?c)

1. **N?u b?n nh?n d? li?u t? m?t Form ho?c AI:** Th??ng ch?n **POST**.
2. **N?u b?n ch? mu?n kích ho?t b?ng cách click vào m?t ???ng link:** Ch?n **GET**.
3. **L?i khuyên:** ?a s? các tích h?p API hi?n nay dùng **POST** ?? truy?n ???c nhi?u d? li?u (nh? n?i dung bài vi?t, ?nh.).

3. Path (???ng d?n)

1. Dãy ký t? lo?ng ngo?ng trong ?nh là m?c ??nh c?a n8n. B?n có th? xóa ?i và ??t tên d? nh? h?n.
2. **Ví d?:** tao-anh-ai ho?c webhook-tu-dong.
3. Khi ?ó link c?a b?n s? g?n h?n: `http://localhost:5678/webhook/tao-anh-ai`.

4. Authentication (Xác th?c) - R?t quan tr?ng

D?a vào ?nh 1 (C?u hình API Key), n?u b?n mu?n workflow c?a mình b?o m?t (ch? ai có Key m?i g?i ???c):

1. Ch?n **Header Auth**.
2. Trong m?c Credential, b?n t?o m?i và ??t tên là `X-API-KEY`.
3. Giá tr? chính là ?o?n mã **Google Gemini API Key** mà b?n ?ã bôi ?? trong ?nh 1.
4. *N?u b?n mu?n làm nhanh ?? th? nghi?m, có th? ?? là **None**, nh?ng ai có link c?ng có th? ch?y workflow c?a b?n.*

5. Respond (Ph?n h?i)

1. **Immediately:** n8n tr? v? mã thành công ngay khi nh?n ???c tín hi?u.

2. **When Last Node Finishes:** n8n will complete the processing (e.g., creating the image using Nano Banana) before returning the results to the original application.
3. **Recommended choice:** If you want the application to send requests and receive results immediately, choose `When Last Node Finishes`.

6. Data connection methods (Main objective)

After you've filled in the information and clicked "**Listen for test event**", you need to submit a test request. When the data appears in the **OUTPUT column (on the right)** :

1. That data will contain the information you need.
2. You will use the following nodes (such as the OpenAI Node or the HTTP Request Node) to retrieve this information.
3. In the **prompt** section of the following nodes, you use a formula `{{ $json.body.noi_dung }}` to retrieve the content from the webhook passed in.

Advantages of the Webhook feature in n8n

1. **Unlimited scalability:** Connect with thousands of applications beyond the n8n's built-in list.
2. **Raw Data Processing:** Receiving all the data from the sender allows you to customize the processing in depth within the workflow.
3. **High flexibility:** You can create your own APIs with just a few clicks.

Webhooks are like an **always-open door** . Instead of n8n having to ask 'Is the data available yet?', when an event occurs (such as an order or a message), the other application will proactively 'knock on the door' and throw the data into n8n to run the workflow for you immediately.

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