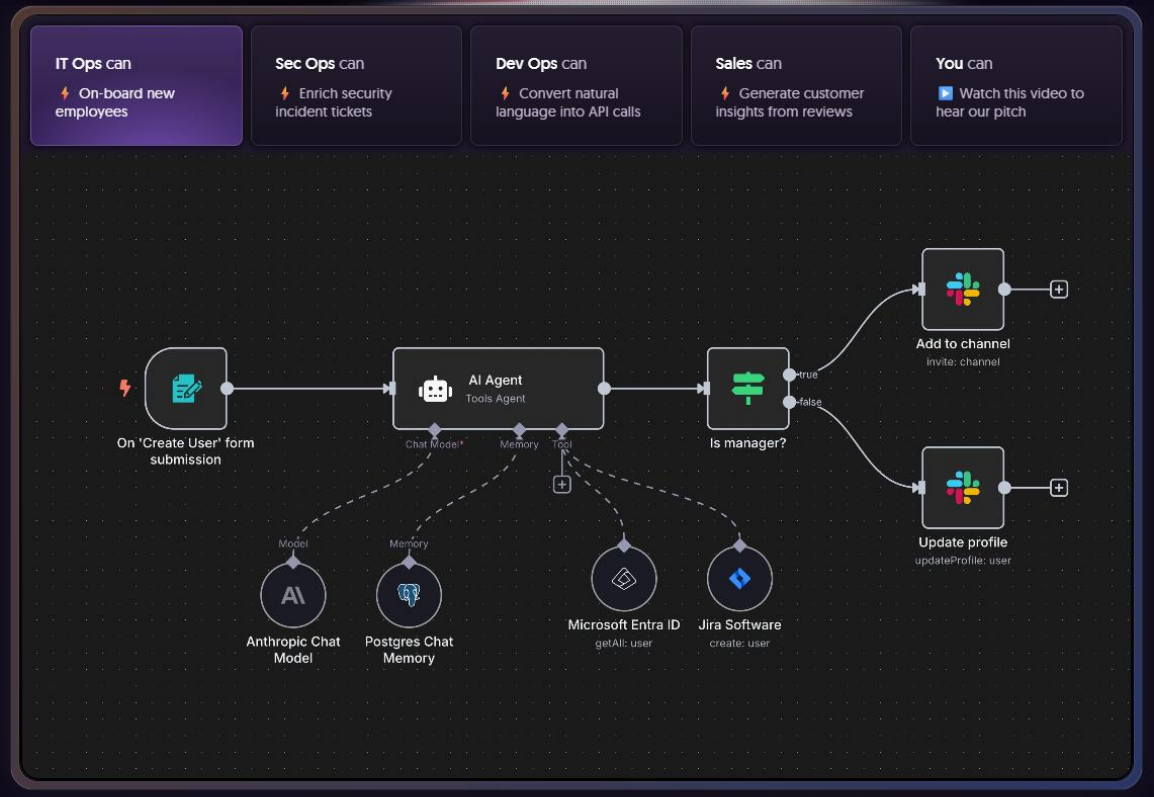
n8n 실습 교안

트리거 노드
(시작 이벤트)
노드 A
노드 B
작업종료
(데이터 출력)
데이터 입력
입력데이터 처리 및 출력
입력데이터 처리 및 출력

Flexible AI workflow automation for technical teams

Build with the precision of code or the speed of drag-n-drop. Host with on-prem control or in-the-cloud convenience. n8n gives you more freedom to implement multi-step AI agents and integrate apps than any other tool.

Get started for free | Talk to sales



Start automating today

Full name

Gerald Hong

Company email

topmind1472@gmail.com

Confirm email address

topmind1472@gmail.com

Password

••••••••••••

Account name

topmind .app.n8n.cloud

Keep up with our constant improvements through our newsletter

성공!

CLOUDFLARE

개인 정보 • 약관

Start free 14-day trial

By continuing, you agree to our terms and conditions.
Privacy policy.

Hi there, Gerald

Answer these questions to get the most out of your n8n trial

1→ What is the size of your company?*

This helps us to customize your experience in n8n

- A Only me
- B <20
- C 20-99
- D 100-499
- E 500-999
- F 1000+
- G I'm not using n8n for work

OK

Sign in to n8n cloud

n8n account name

topmind .app.n8n.cloud

Sign in

New here? Start a free trial

Want to manage your cloud account and billing? Sign in here

Don't remember your account name? Check your welcome email from n8n

Dashboard

Upgrade plan

topmind

Open instance

Currently online

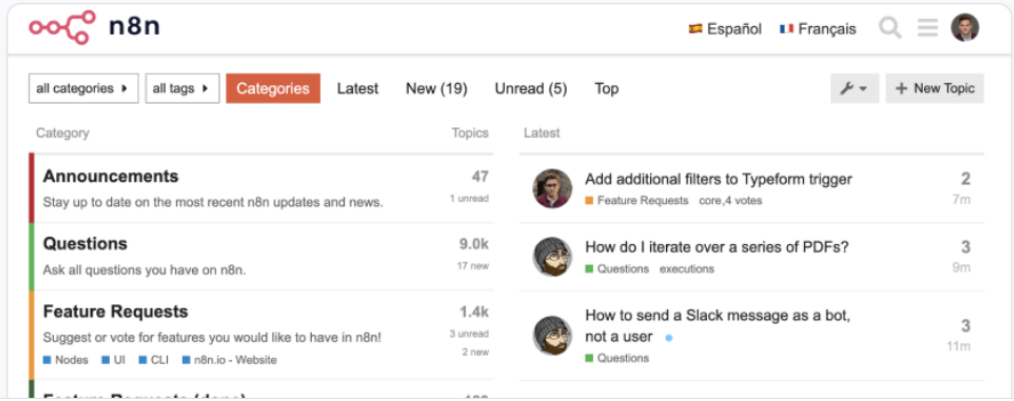
Running version n8n@1.100.1

14 days left in your free trial

0 / 1,000
Executions in July

0 / 5
Active workflows

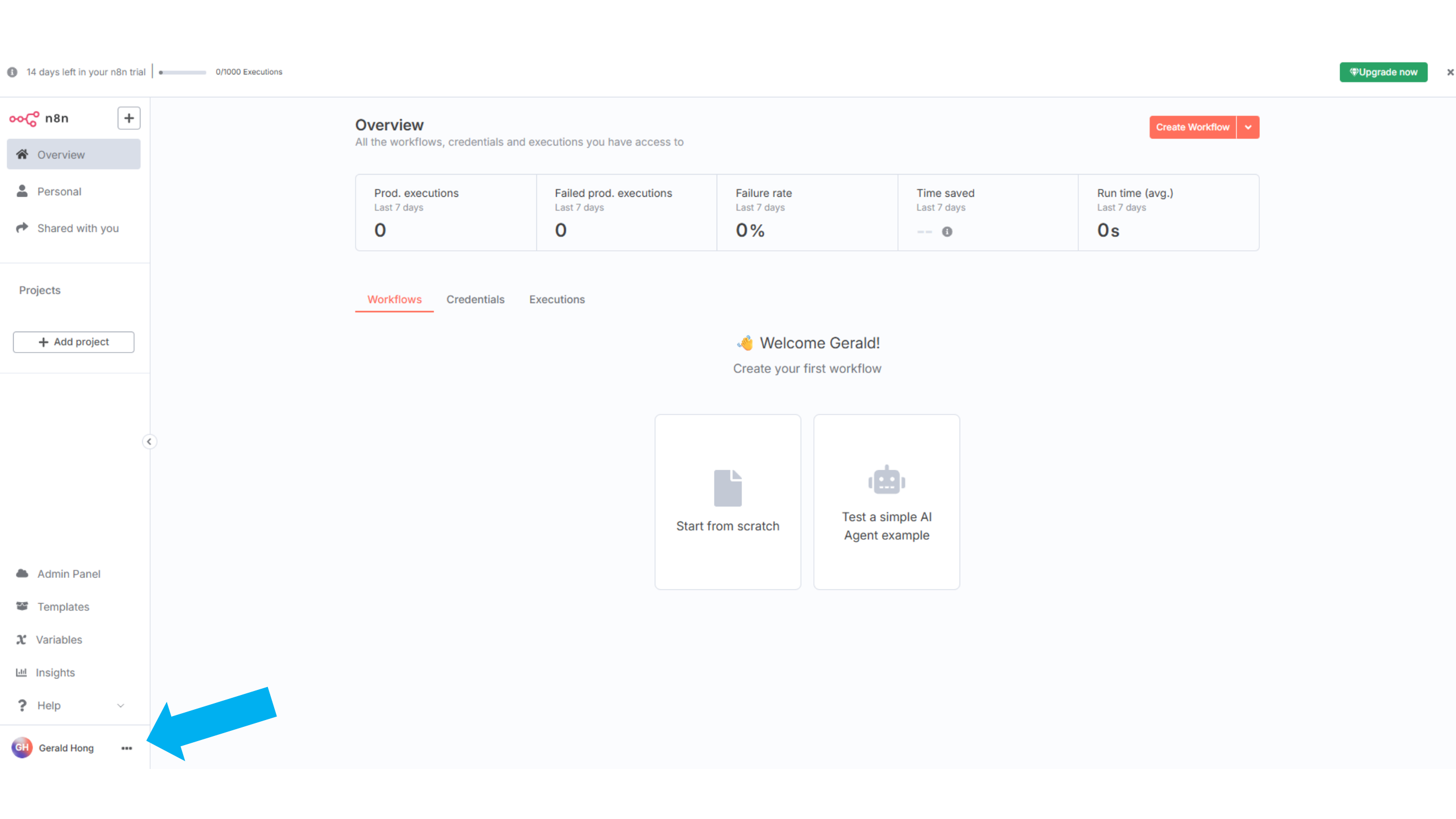
Reaching your monthly limits? Upgrade plan



Need help implementing a specific workflow?

Join our community forums to ask questions and share workflow solutions with the n8n team and other helpful n8n users.

Visit forums


14 days left in your n8n trial
0/1000 Executions
Upgrade now
n8n
Overview
Personal
Shared with you
Projects
Add project
Admin Panel
Templates
Variables
Insights
Help
Gerald Hong
Overview
All the workflows, credentials and executions you have access to
Create Workflow
Prod. executions
Last 7 days
0
Failed prod. executions
Last 7 days
0
Failure rate
Last 7 days
0%
Time saved
Last 7 days
Run time (avg.)
Last 7 days
0s
Workflows
Credentials
Executions
Welcome Gerald!
Create your first workflow
Start from scratch
Test a simple AI Agent example

Settings

Personal
Users
External Secrets
Environments
SSO
LDAP
Log Streaming
Community nodes

Personal Settings

Gerald Hong
Owner
GH

Basic Information

First Name *
Gerald

Last Name *
Hong

Email *
topmind1472@gmail.com

Security

Password
Change password

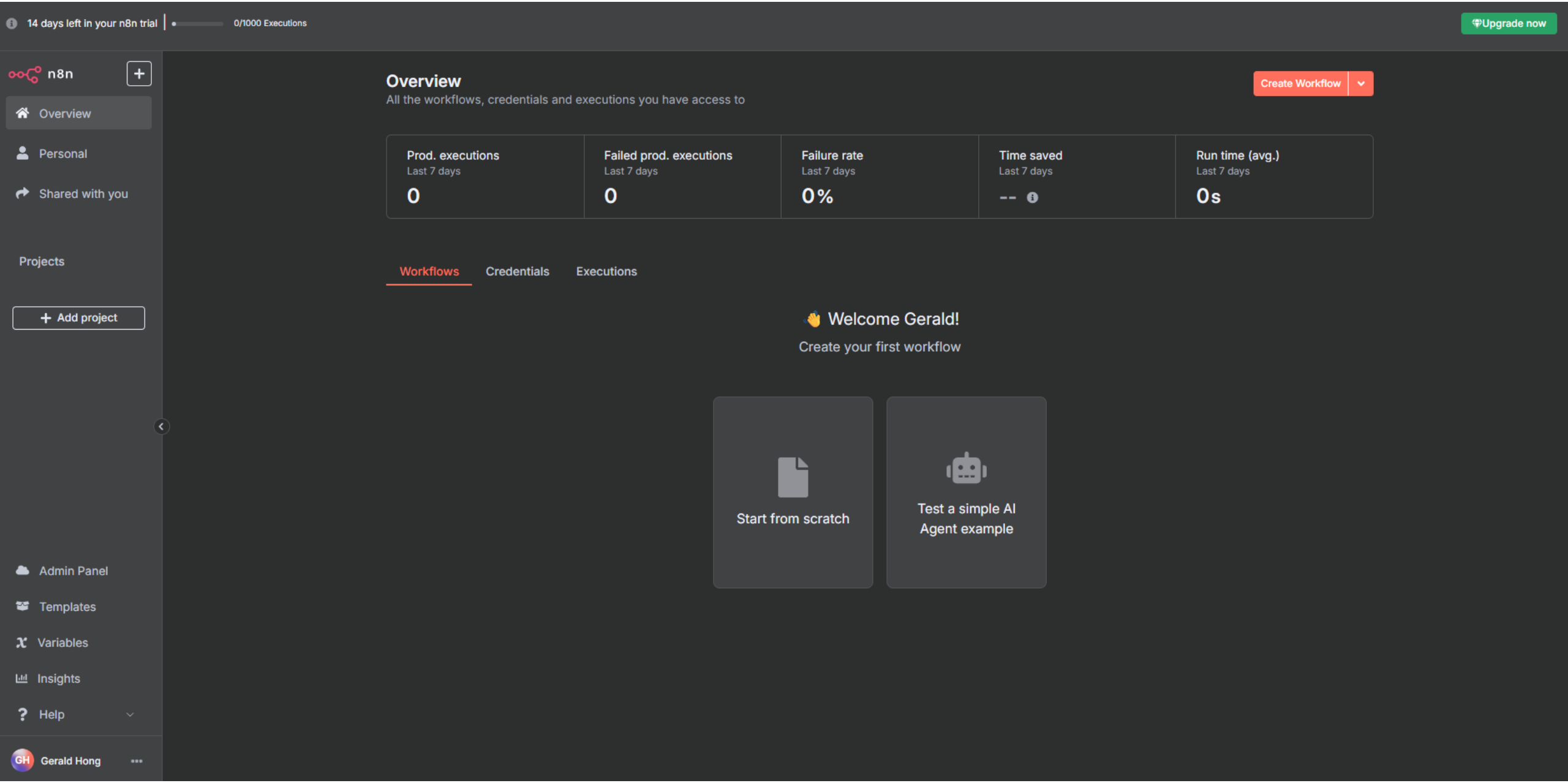
Two-factor authentication (2FA)
Two-factor authentication is currently disabled. Learn more

Enable 2FA

Personalisation

Theme
System default

Save


14 days left in your n8n trial
0/1000 Executions
Upgrade now
n8n
Overview
Personal
Shared with you
Projects
Add project
Admin Panel
Templates
Variables
Insights
Help
Gerald Hong
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Create Workflow
Prod. executions
Last 7 days
0
Failed prod. executions
Last 7 days
0
Failure rate
Last 7 days
0%
Time saved
Last 7 days
--
Run time (avg.)
Last 7 days
0s
Workflows
Credentials
Executions
Welcome Gerald!
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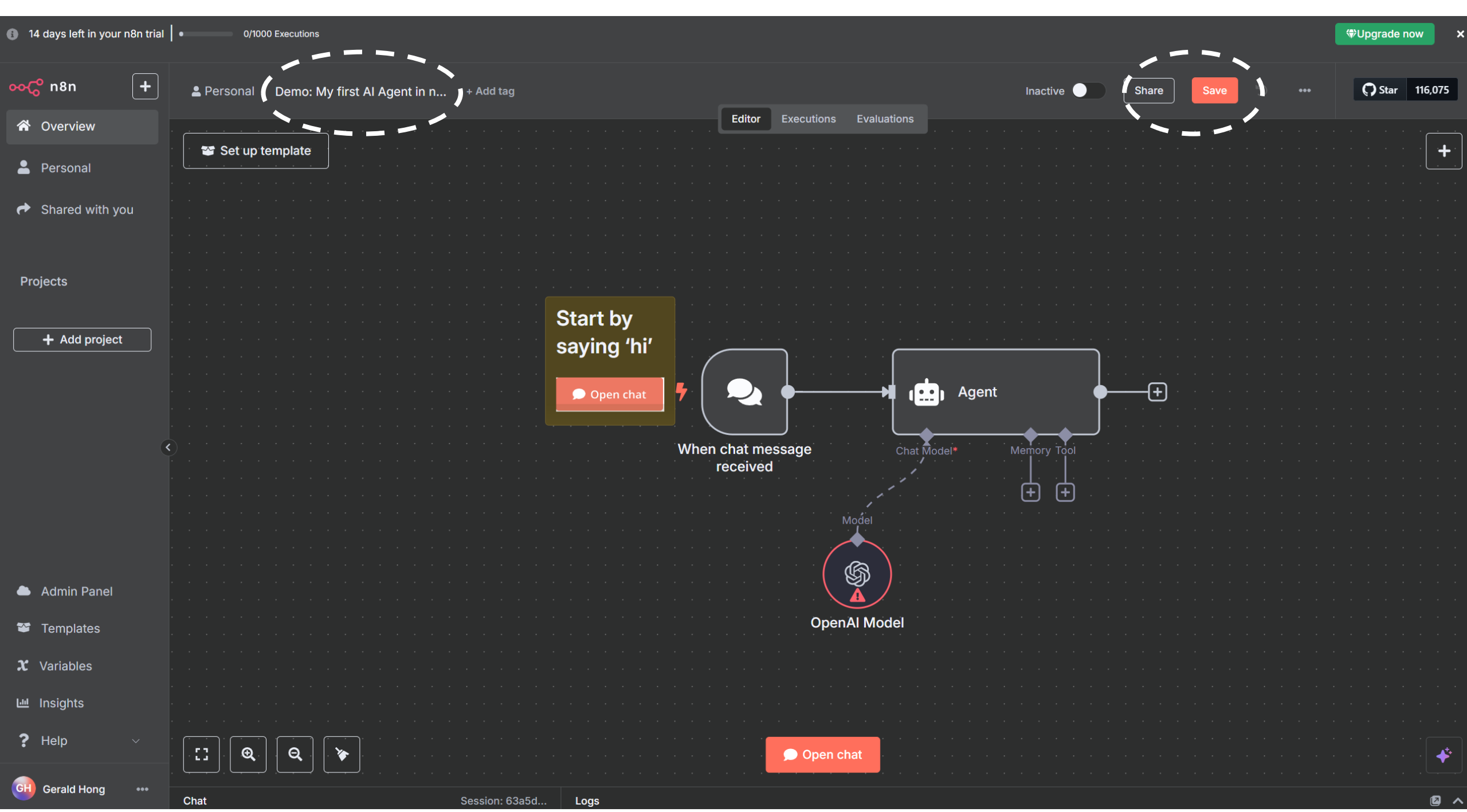

14 days left in your n8n trial
0/1000 Executions
Upgrade now
n8n
Personal
Demo: My first AI Agent in n...
+ Add tag
Inactive
Share
Save
Star
116,075
Editor
Executions
Evaluations
Set up template
Overview
Personal
Shared with you
Projects
+ Add project
Admin Panel
Templates
Variables
Insights
Help
Gerald Hong
Start by saying 'hi'
Open chat
When chat message received
Agent
Chat Model*
Memory
Tool
Model
OpenAI Model
Open chat
Chat
Session: 63a5d...
Logs

14 days left in your n8n trial | 0/1000 Executions
Upgrade now

n8n

Overview
Personal
Shared with you

Projects

+ Add project

Admin Panel
Templates
Variables
Insights
Help

Gerald Hong

Overview

All the workflows, credentials and executions you have access to

Create Workflow

Prod. executions	Failed prod. executions	Failure rate	Time saved	Run time (avg.)
Last 7 days	Last 7 days	Last 7 days	Last 7 days	Last 7 days
0	0	0%	--	0s

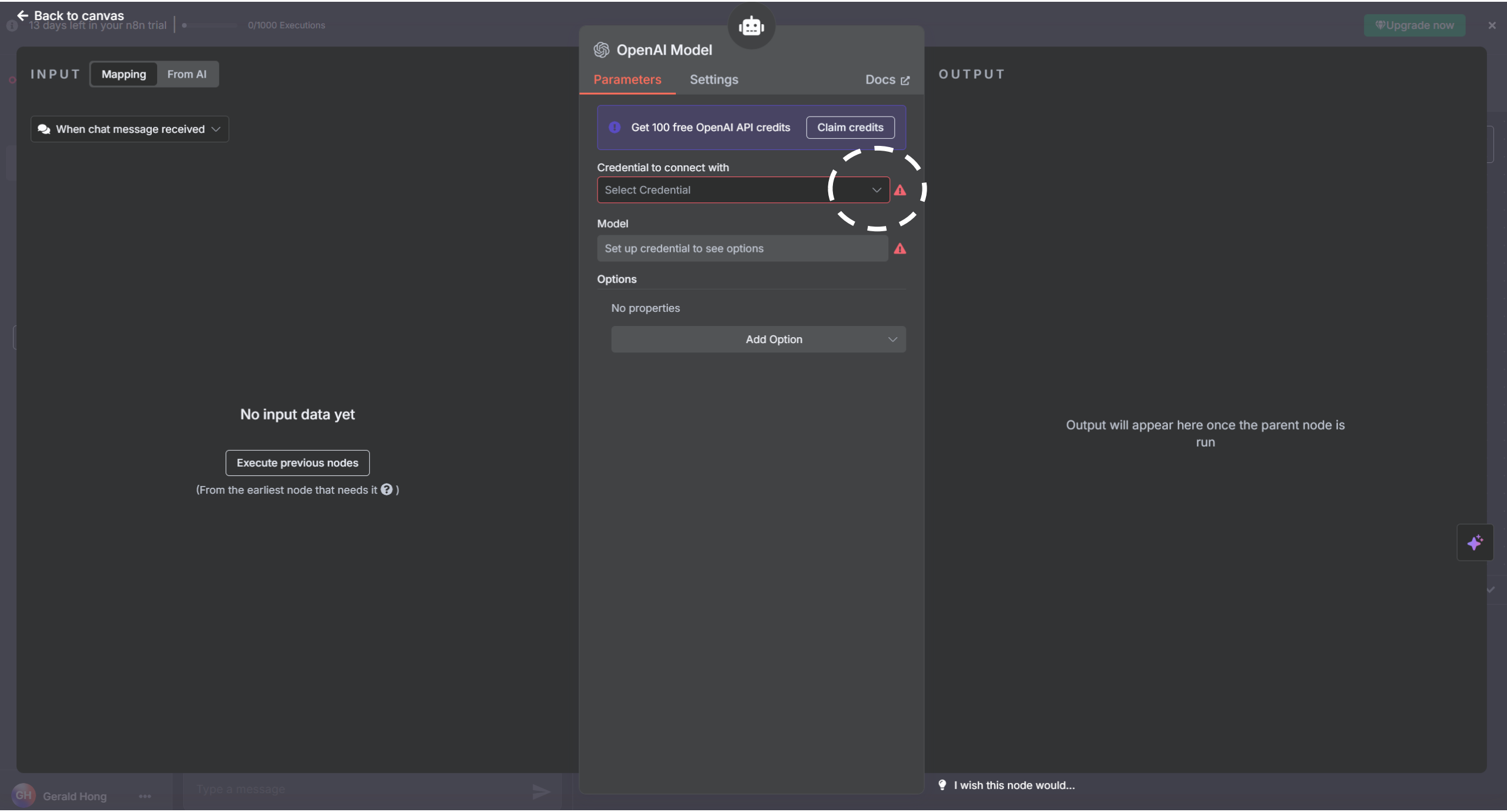
Workflows | Credentials | Executions

Search | Sort by last updated

My first AI Agent
Last updated 3 minutes ago | Created 8 July

Personal | Inactive

Total 1 | 1 | 50/page


Back to canvas
13 days left in your n8n trial
0/1000 Executions
Upgrade now
INPUT
Mapping
From AI
When chat message received
No input data yet
Execute previous nodes
(From the earliest node that needs it)
OpenAI Model
Parameters
Settings
Docs
Get 100 free OpenAI API credits
Claim credits
Credential to connect with
Select Credential
Model
Set up credential to see options
Options
No properties
Add Option
OUTPUT
Output will appear here once the parent node is run
Gerald Hong
Type a message
I wish this node would...

OpenAi account

OpenAi

Save

Connection

Sharing

Details

Need help filling out these fields? Open docs

Ask Assistant for setup instructions

API Key *

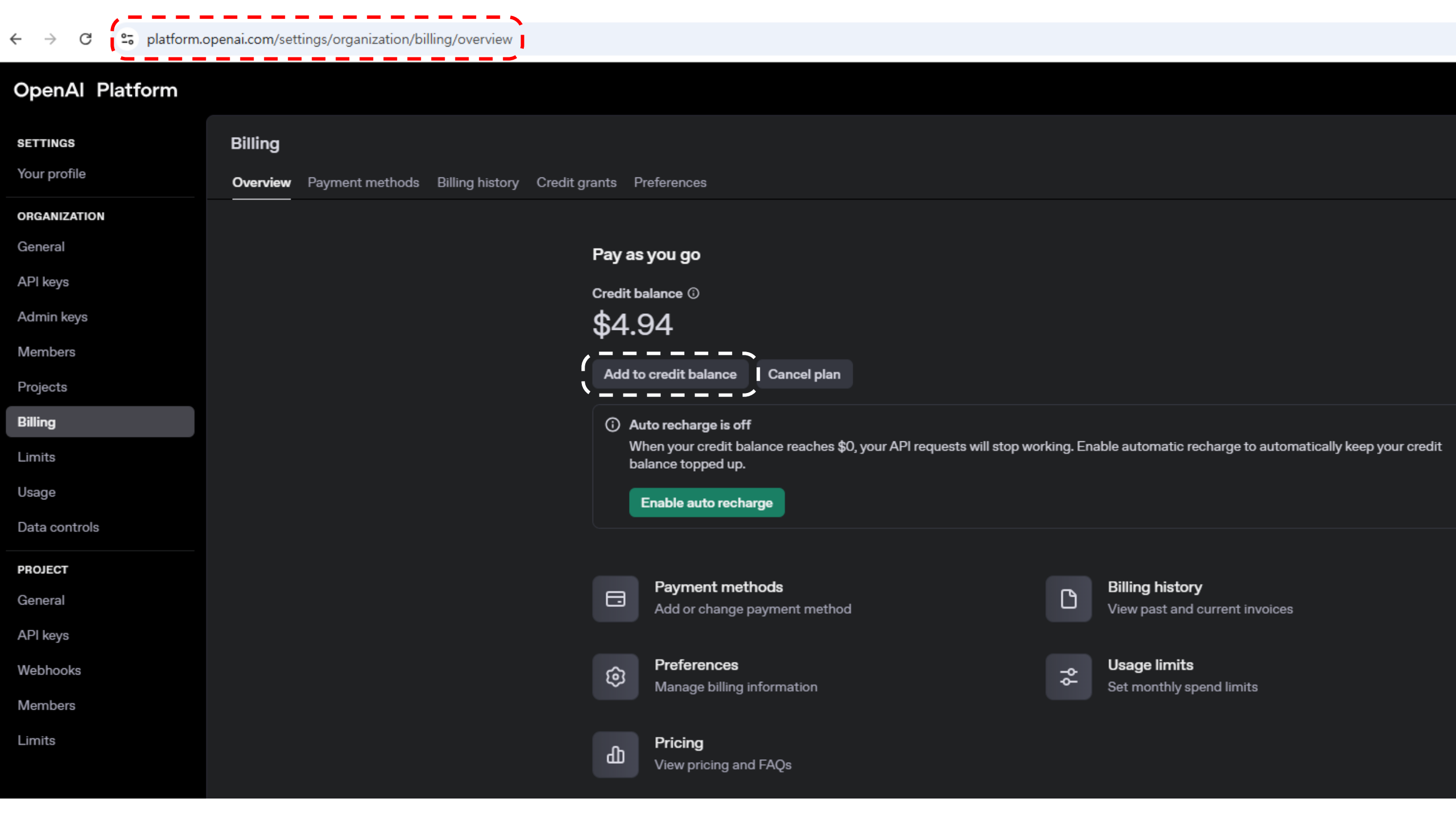
Organization ID (optional)

Only required if you belong to multiple organisations

Base URL

https://api.openai.com/v1

Enterprise plan users can pull in credentials from external vaults. More info


platform.openai.com/settings/organization/billing/overview
OpenAI Platform
SETTINGS
Your profile
ORGANIZATION
General
API keys
Admin keys
Members
Projects
Billing
Limits
Usage
Data controls
PROJECT
General
API keys
Webhooks
Members
Limits
Billing
Overview
Payment methods
Billing history
Credit grants
Preferences
Pay as you go
Credit balance
$4.94
Add to credit balance
Cancel plan
Auto recharge is off
When your credit balance reaches $0, your API requests will stop working. Enable automatic recharge to automatically keep your credit balance topped up.
Enable auto recharge
Payment methods
Add or change payment method
Billing history
View past and current invoices
Preferences
Manage billing information
Usage limits
Set monthly spend limits
Pricing
View pricing and FAQs

OpenAi account

OpenAi

Saved

Connection

Sharing

Details

Connection tested successfully

Retry

Need help filling out these fields? Open docs

Ask Assistant for setup instructions

API Key *

Organization ID (optional)

Only required if you belong to multiple organisations

Base URL

https://api.openai.com/v1

Enterprise plan users can pull in credentials from external vaults. More info

13 days left in your n8n trial | 0/1000 Executions
Upgrade now

n8n

- Overview
- Personal
- Shared with you

Projects

+ Add project

- Admin Panel
- Templates
- Variables
- Insights
- Help
- 1 update

Gerald Hong

Overview

All the workflows, credentials and executions you have access to

Create Workflow

Prod. executions	Failed prod. executions	Failure rate	Time saved	Run time (avg.)
Last 7 days	Last 7 days	Last 7 days	Last 7 days	Last 7 days
0	0	0%	--	0s

Workflows | Credentials | Executions

Search credentials... | Sort by last updated

OpenAi account
OpenAi | Last updated 8 minutes ago | Created 10 July
Personal

4666 Workflow Automation Templates

Search apps, roles, usecases...

AI Sales IT Ops Marketing Document Ops Other Support

Trending AI templates

+6

Angie, Personal AI Assistant with Telegram Voice and Text

Derek Cheung

+1

Chat with local LLMs using n8n and Ollama

Mihai Farcas

+1

Chat with a database using AI

David Roberts

+9

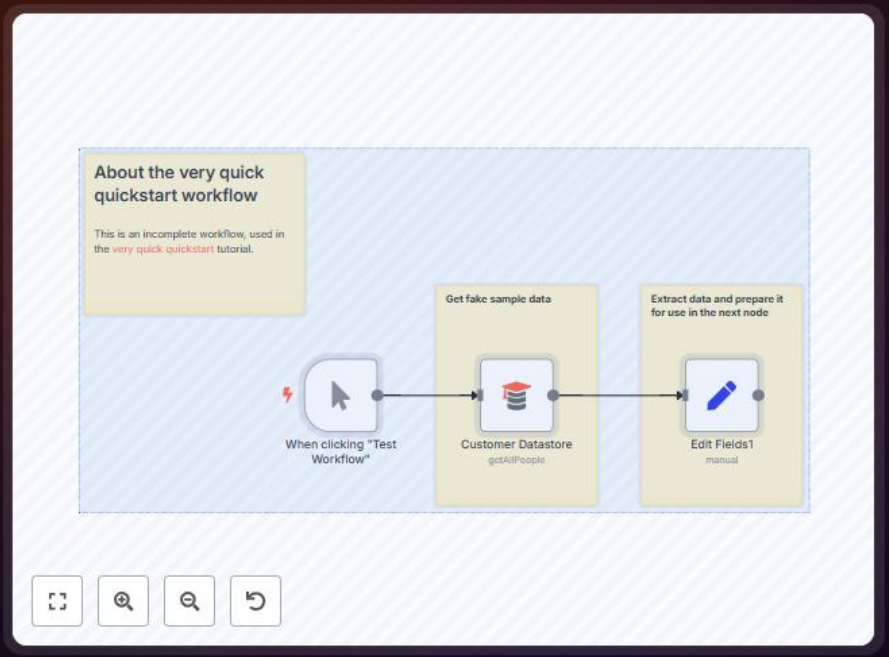
+3

+1

← Back to Templates

Very quick quickstart

Use for free



CREATED BY

Deborah

LAST UPDATE

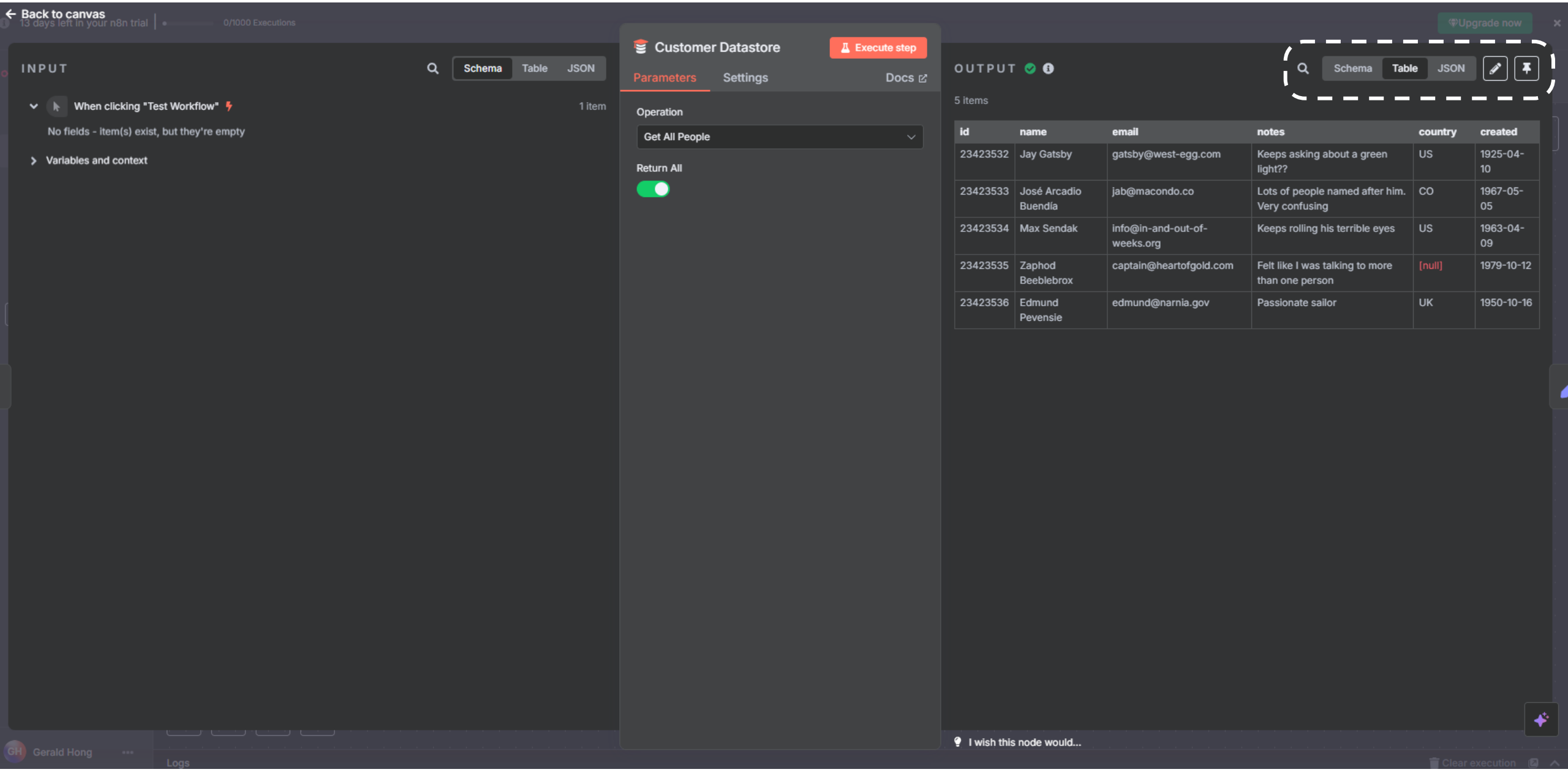
Last update a year ago

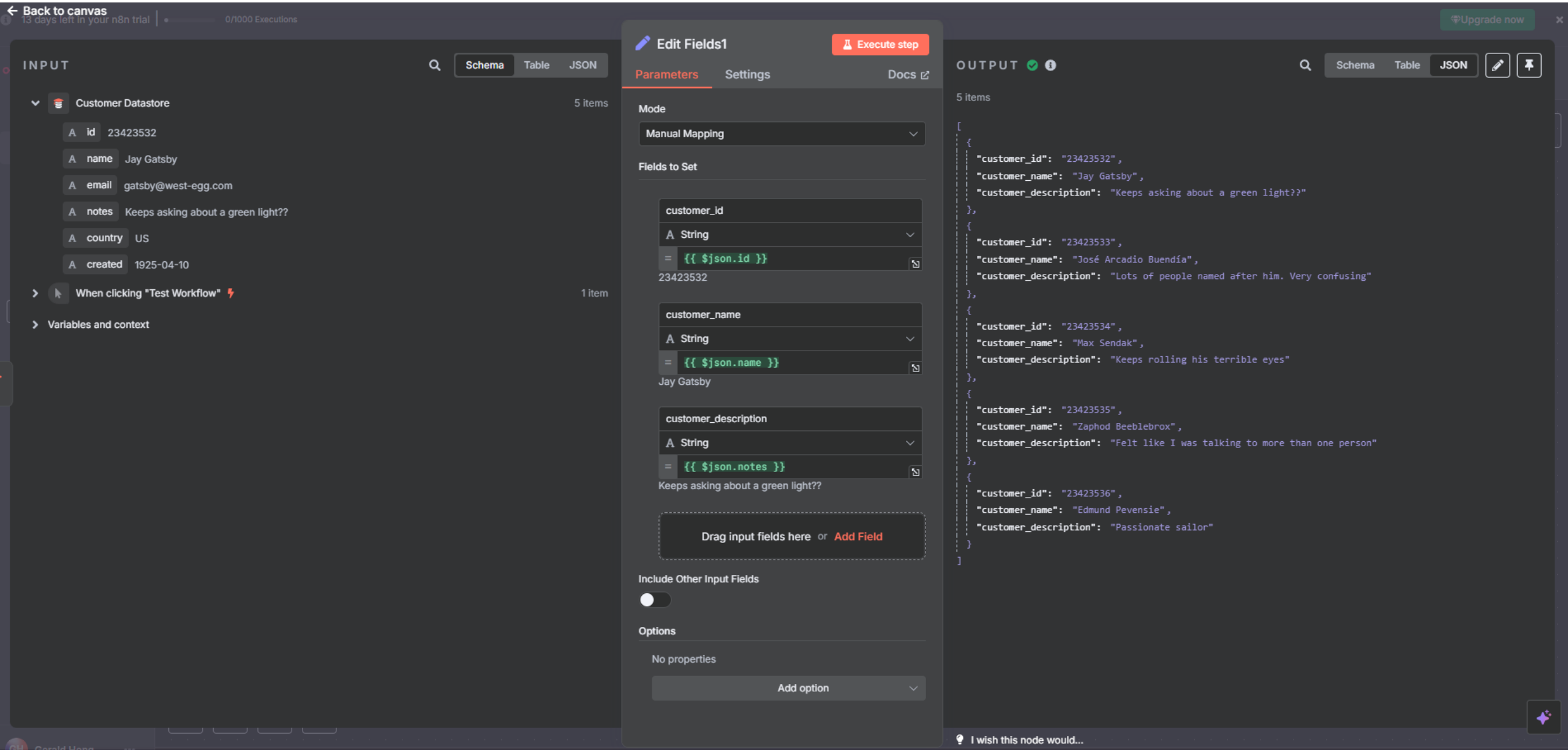
CATEGORIES

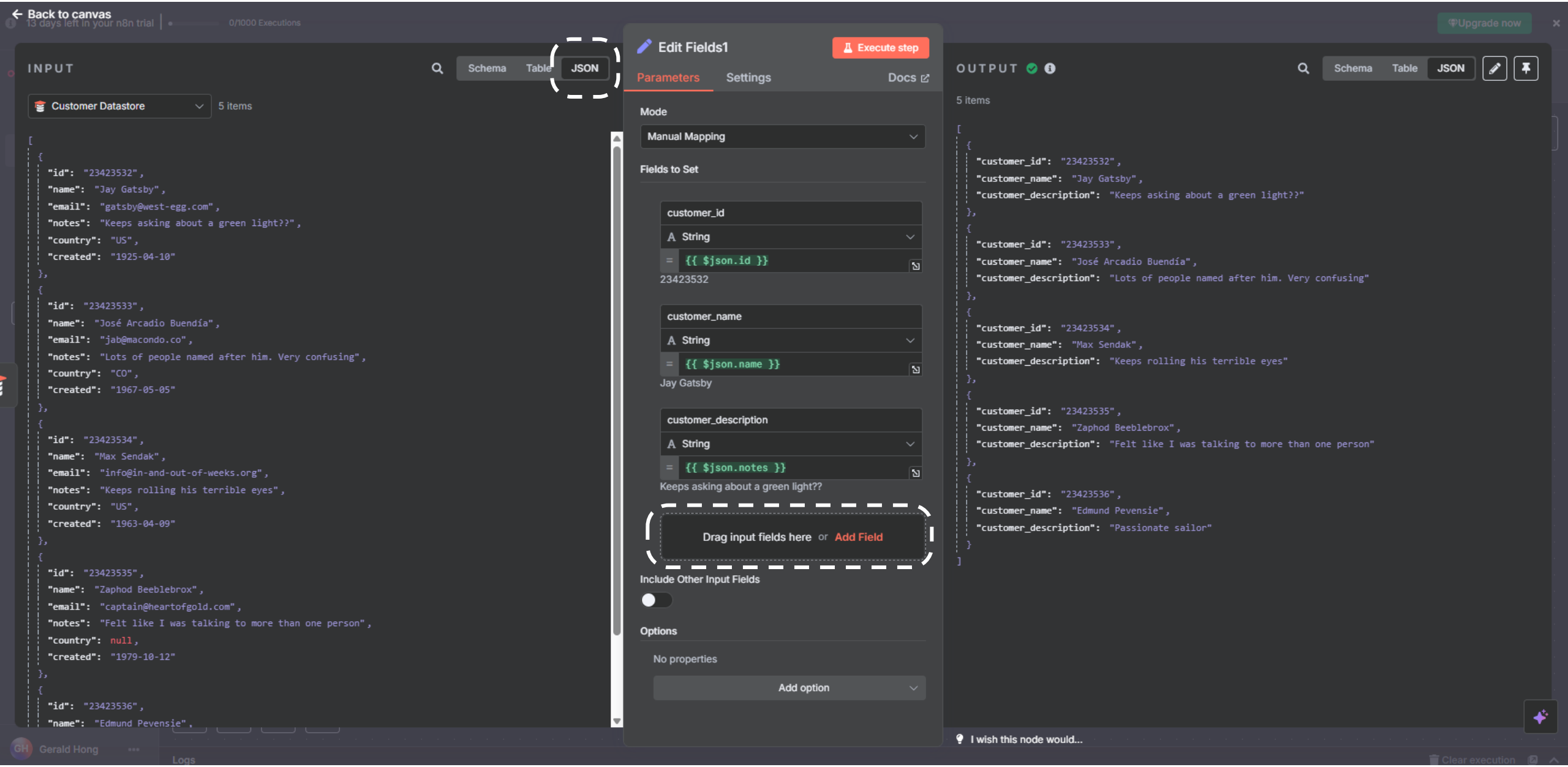
Miscellaneous

Want to learn the basics of n8n? Our comprehensive quick quickstart tutorial is here to guide you through the basics of n8n, step by step.

Designed with beginners in mind, this tutorial provides a hands-on approach to learning n8n's basic functionalities.


Back to canvas
13 days left in your n8n trial
0/1000 Executions
Upgrade now
INPUT
Schema
Table
JSON
When clicking "Test Workflow"
1 item
No fields - item(s) exist, but they're empty
Variables and context
Customer Datastore
Execute step
Parameters
Settings
Docs
Operation
Get All People
Return All
OUTPUT
Schema
Table
JSON
5 items
id
name
email
notes
country
created
23423532
Jay Gatsby
gatsby@west-egg.com
Keeps asking about a green light??
US
1925-04-10
23423533
José Arcadio Buendía
jab@macondo.co
Lots of people named after him. Very confusing
CO
1967-05-05
23423534
Max Sendak
info@in-and-out-of-weeks.org
Keeps rolling his terrible eyes
US
1963-04-09
23423535
Zaphod Beeblebrox
captain@heartofgold.com
Felt like I was talking to more than one person
[null]
1979-10-12
23423536
Edmund Pevensie
edmund@narnia.gov
Passionate sailor
UK
1950-10-16
I wish this node would...
Gerald Hong
Logs
Clear execution


Back to canvas
13 days left in your n8n trial
0/1000 Executions
Upgrade now
INPUT
Schema
Table
JSON
Customer Datastore
5 items
id 23423532
name Jay Gatsby
email gatsby@west-egg.com
notes Keeps asking about a green light??
country US
created 1925-04-10
When clicking "Test Workflow"
1 item
Variables and context
Edit Fields1
Execute step
Parameters
Settings
Docs
Mode
Manual Mapping
Fields to Set
customer_id
String
{{ $json.id }}
23423532
customer_name
String
{{ $json.name }}
Jay Gatsby
customer_description
String
{{ $json.notes }}
Keeps asking about a green light??
Drag input fields here or Add Field
Include Other Input Fields
Options
No properties
Add option
OUTPUT
Schema
Table
JSON
5 items
[
{
"customer_id": "23423532",
"customer_name": "Jay Gatsby",
"customer_description": "Keeps asking about a green light??"
},
{
"customer_id": "23423533",
"customer_name": "José Arcadio Buendía",
"customer_description": "Lots of people named after him. Very confusing"
},
{
"customer_id": "23423534",
"customer_name": "Max Sendak",
"customer_description": "Keeps rolling his terrible eyes"
},
{
"customer_id": "23423535",
"customer_name": "Zaphod Beeblebrox",
"customer_description": "Felt like I was talking to more than one person"
},
{
"customer_id": "23423536",
"customer_name": "Edmund Pevensie",
"customer_description": "Passionate sailor"
}
]
I wish this node would...


Back to canvas
13 days left in your n8n trial
0/1000 Executions
Upgrade now
INPUT
Schema
Table
JSON
Customer Datastore
5 items
[
{
"id": "23423532",
"name": "Jay Gatsby",
"email": "gatsby@west-egg.com",
"notes": "Keeps asking about a green light??",
"country": "US",
"created": "1925-04-10"
},
{
"id": "23423533",
"name": "José Arcadio Buendía",
"email": "jab@macondo.co",
"notes": "Lots of people named after him. Very confusing",
"country": "CO",
"created": "1967-05-05"
},
{
"id": "23423534",
"name": "Max Sendak",
"email": "info@in-and-out-of-weeks.org",
"notes": "Keeps rolling his terrible eyes",
"country": "US",
"created": "1963-04-09"
},
{
"id": "23423535",
"name": "Zaphod Beeblebrox",
"email": "captain@heartofgold.com",
"notes": "Felt like I was talking to more than one person",
"country": null,
"created": "1979-10-12"
},
{
"id": "23423536",
"name": "Edmund Pevensie",
Edit Fields1
Execute step
Parameters
Settings
Docs
Mode
Manual Mapping
Fields to Set
customer_id
String
{{ $json.id }}
23423532
customer_name
String
{{ $json.name }}
Jay Gatsby
customer_description
String
{{ $json.notes }}
Keeps asking about a green light??
Drag input fields here or Add Field
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Add option
OUTPUT
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Table
JSON
5 items
[
{
"customer_id": "23423532",
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"customer_id": "23423533",
"customer_name": "José Arcadio Buendía",
"customer_description": "Lots of people named after him. Very confusing"
},
{
"customer_id": "23423534",
"customer_name": "Max Sendak",
"customer_description": "Keeps rolling his terrible eyes"
},
{
"customer_id": "23423535",
"customer_name": "Zaphod Beeblebrox",
"customer_description": "Felt like I was talking to more than one person"
},
{
"customer_id": "23423536",
"customer_name": "Edmund Pevensie",
"customer_description": "Passionate sailor"
}
]
I wish this node would...
Gerald Hong
Logs
Clear execution

Kakao Credential 등록

https://developers.kakao.com/ 좌측 상단 메뉴 '앱 '

앱

전체 앱 4

+ 앱 생성

앱 이름으로 검색

ID 1274222 | 비즈 앱

n8n-info

역할 Owner 플랫폼 Web

APP

ID 1189189

신규 알림

역할 Owner

APP

ID 1188897

제타알림톡

역할 Owner

APP

ID 810012

map

역할 Owner

팝업 창에서 앱 이름과 회사명 입력 → 카테고리 선택 → 하단 경고문 박스에 체크(☑)하고 저장합니다. 우리는 이 앱을 제품으로 사용할 것이 아니고 테스트에 사용할 것이기 때문에 편하게 입력해도 됩니다. 이미지 등록도 필수 아님.

앱 > 앱 설정 > 대시보드

앱 설정
대시보드
앱
일반
카카오톡 채널
추가 기능 신청
웹훅
멤버
고급
유료 API

제품 설정
카카오 로그인
비즈니스 인증
카카오톡 메시지
카카오맵

APP
ID 1278848
n8n Cloud

역할 Owner

앱 변경

대시보드

앱의 항목별 주요 설정과 사용 현황을 확인할 수 있습니다.

비즈니스

앱을 사용 중인 서비스의 비즈니스 정보입니다.

비즈 앱 등록

이 앱은 비즈 앱이 아닙니다.
사업자 정보를 등록하여 비즈 앱으로 전환할 수 있습니다.
비즈 앱 전환 시 이메일을 필수 동의항목으로 설정할 수 있고, 비즈니스 채널 연결이 가능합니다.
사업자 번호가 없는 개인 개발자는 본인인증과 카카오비즈니스 통합 서비스 약관 동의 완료 후 비즈 앱 전환이 가능합니다.

'앱키' 에서 'REST API 키' 복사

앱 설정

대시보드

앱

일반

카카오톡 채널

추가 기능 신청

웹훅

멤버

고급

유료 API

제품 설정

카카오 로그인

비즈니스 인증

카카오톡 메시지

카카오맵

플랫폼

문서 확인

서비스를 제공하는 플랫폼에 대한 설정입니다.

Android

Android 플랫폼 등록

iOS

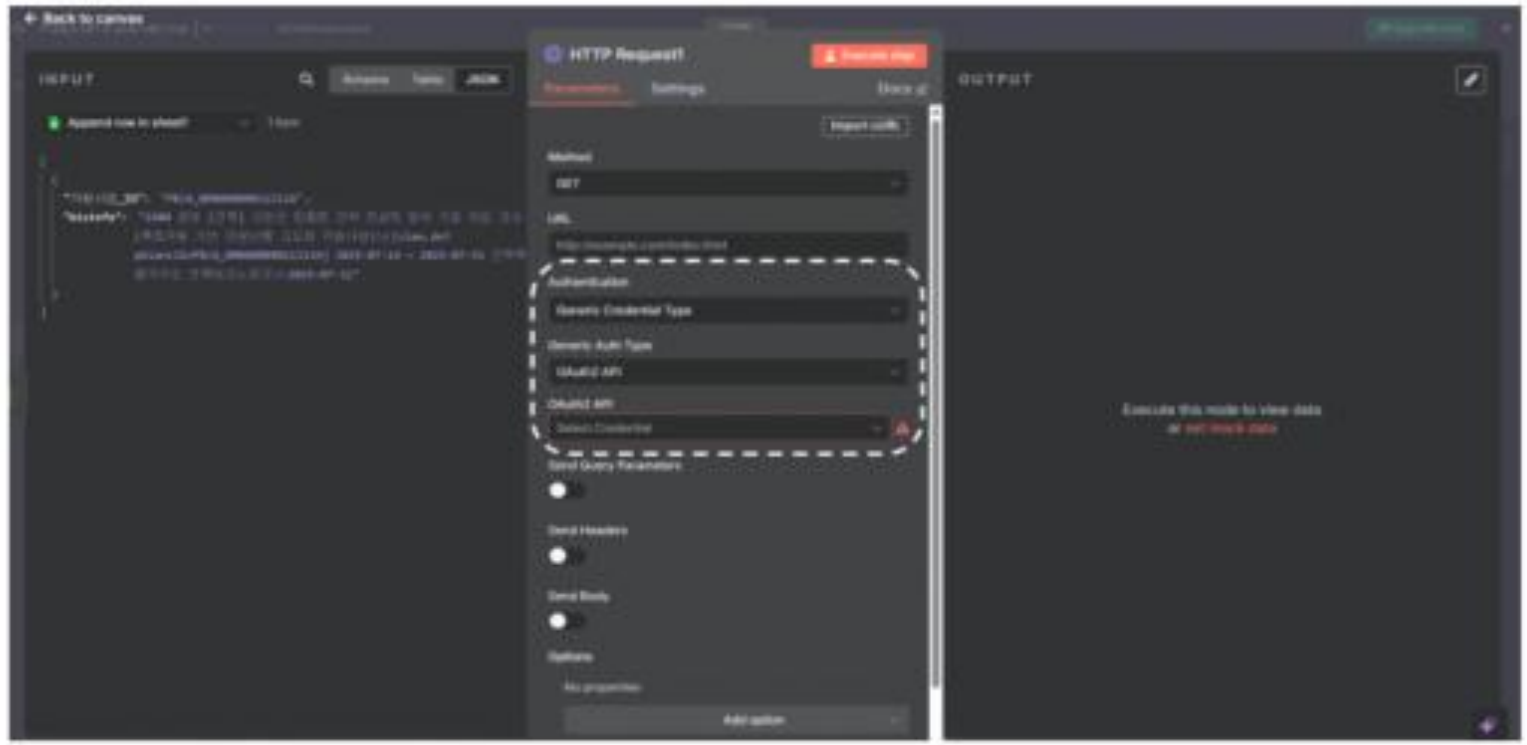
iOS 플랫폼 등록

Web

Web 플랫폼 등록

다음, 좌측 패널에서 카카오 로그인 하위 메뉴를 엽니다. '일반'을 선택하고 화면의 '사용 설정' 상태 버튼을 이동하여 활성화 시킵니다. 화면을 아래로 내리면 '리다이렉트 URI' 메뉴가 보입니다. 파란색 '리다이렉트 URI 등록'을 클릭하면 팝업창이 뜹니다.

파라미터 화면에서 'Authentication' 부분 선택 → 'Generic Credential Type'을 선택합니다. 그 아래 'Generic Auth Type' 부분 선택 → 'OAuth 2 API'를 선택한 후, 그 아래 'OAuth API' 부분 선택 → '+ Create new credential'을 선택하면 크레덴셜 생성 화면으로 이동합니다.



Unnamed credential

OAuth2 API

Save

Connection

Sharing

Details

Need help filling out these fields? Open docs

Ask Assistant for setup instructions

OAuth Redirect URL

https://oauth.n8n.cloud/oauth2/callback

In the service you're connecting to, use the URL above when prompted to enter an OAuth callback or redirect URL

Grant Type

Authorization Code

크레덴셜 생성화면에서 'OAuth Redirect URL'란에 마우스를 가져가 복사합니다. 그 상태로 다시 카카오 화면으로 돌아갑니다.

Authorization URL *

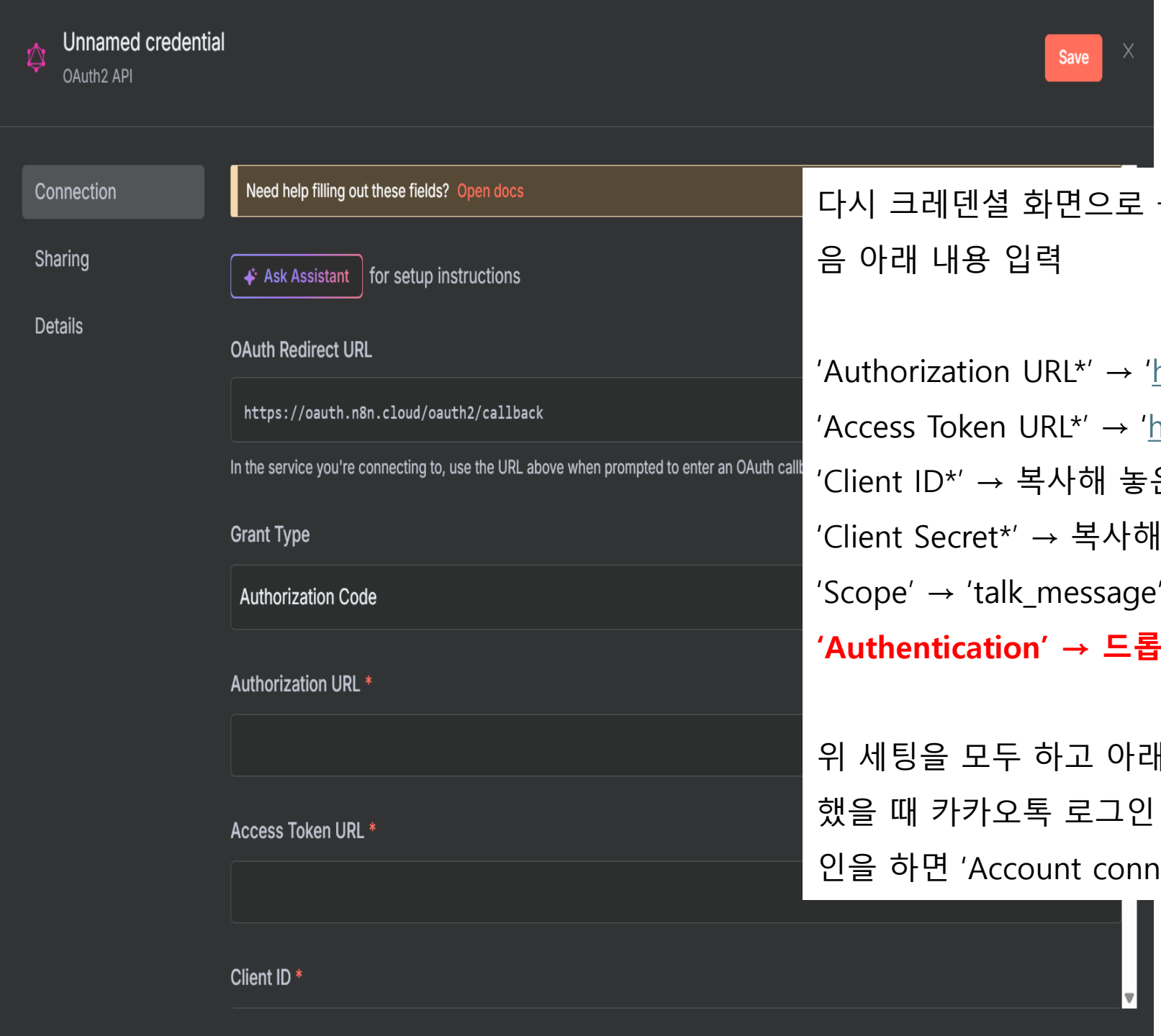
Access Token URL *

Client ID *

복사한 내용을 카카오 리다이렉트 URI 화면에 입력하고 저장합니다.

바로 아래 'Client Secret' 메뉴에서 '클라이언트 시크릿 발급' 버튼을 클릭하여 코드를 발급받고[60], 코드 아래 상태를 '사용함'으로 설정합니다.

다음 좌측 패널에서 동의항목을 클릭 후 화면 '접근권한' 메뉴의 '카카오톡 메시지 전송' 오른쪽 끝 '설정' 버튼을 클릭합니다. 팝업 창에서 '이용 중 동의'를 선택하고 동의 목적에 '정부지원사업 알림'이라고 입력하고 저장합니다.



다시 크레덴셜 화면으로 돌아와 위 제목을 'kakao credential'로 고친 다음 아래 내용 입력

'Authorization URL*' → 'https://kauth.kakao.com/oauth/authorize'

'Access Token URL*' → 'https://kauth.kakao.com/oauth/token'

'Client ID*' → 복사해 놓은 REST API key 붙여넣기

'Client Secret*' → 복사해 놓은 시크릿 key 붙여넣기

'Scope' → 'talk_message'

'Authentication' → 드롭다운 메뉴로 'Body' 선택

위 세팅을 모두 하고 아래 붉은 색 'Connect my account' 버튼을 클릭했을 때 카카오톡 로그인 화면이 뜨면 성공! 개인정보 동의를 하고 로그인을 하면 'Account connected'라는 초록색 바(Bar)가 보임

다시 HTTP 노드 파라미터 세팅 화면에서 아래와 같이 세팅합니다.

‘Method’ → 드롭다운 메뉴로 ‘POST’ 선택

‘URL’ → ‘https://kapi.kakao.com/v2/api/talk/memo/default/send’

‘Send Headers’ → 버튼을 밀어서 활성화

‘Specify Headers’ → 드롭다운 메뉴로 ‘Using Fields Below’ 상태

‘Head Parameters’

- ‘Name’ → ‘Content-Type’
- ‘Value’ → ‘application/x-www-form-urlencoded;charset=utf-8’

‘Send Body’ → 버튼을 밀어서 활성화

‘Body Content Type’ → 드롭다운 메뉴로 ‘JSON’ 선택

‘Specify Body’ → 드롭다운 메뉴로 ‘Using Fields Below’ 상태

‘Body Parameters’

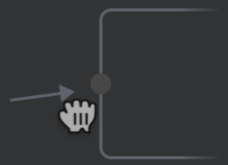
- ‘Name’ → ‘template_object’
- ‘Value’ → 하단 박스 내 코드

```
{
    "object_type": "text",
    "text": "{{ $json.name }} 님의 상담 신청이 접수되었습니다.\n\n📞 Phone : {{ $json.phone }}\n💌 Email : {{ $json.email }}\n🗓️ Time : {{ $json.time }}",
    "link": {
      "web_url": "https://landing.koex.kr"
    },
    "button_title": "홍박사 랜딩페이지"
}
```

{ "object_type": "text", "text": "{{ $json.name }} 님의 상담 신청이 접수되었습니다.₩n₩n📞 Phone : {{ $json.phone }}₩n💌 Email : {{ $json.email }}₩n🗓️ Time : {{ $json.time }}", "link": { "web_url": "https://landing.koex.kr" }, "button_title": "홍박사 랜딩페이지"}

Back to canvas

INPUT



Wire me up

This node can only receive input data if you connect it to another node. Learn more

Kakao send me

Execute step

Parameters | Settings | Docs

Import cURL

Method

POST

URL

https://kapi.kakao.com/v2/api/talk/memo/default/send

Authentication

Generic Credential Type

Generic Auth Type

OAuth2 API

OAuth2 API

Kakao credential

Send Query Parameters

Send Headers

Specify Headers

Using Fields Below

Header Parameters

OUTPUT

Schema | Table | JSON

1 item


```
[
  {
    "result_code": 0
  }
]
```


I wish this node would...

YK Hong

Logs