Documentação dos Nodes n8n

Core Nodes

AI Transform#

Integrations
Built-in nodes
Core nodes
AI Transform

Use the AI Transform node to generate code snippets based on your prompt. The AI is context-aware, understanding the workflow’s nodes and their data types.
Feature availability
Available only on
Cloud plans
.
Node parameters

Instructions

Enter your prompt for the AI and click the
Generate code
button to automatically populate the
Transformation Code
. For example, you can specify how you want to process or categorize your data. Refer to
Writing good prompts
for more information.
The prompt should be in plain English and under 500 characters.
Transformation Code

The code snippet generated by the node is read-only. To edit this code, adjust your prompt in
Instructions
or copy and paste it into a
Code
node.
Templates and examples

Customer Support WhatsApp Bot with Google Docs Knowledge Base and Gemini AI
by Tharwat Mohamed

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Explore n8n Nodes in a Visual Reference Library
by I versus AI
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Parse Gmail Inbox and Transform into Todoist tasks with Solve Propositions
by Łukasz
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Code node#

Integrations
Built-in nodes
Core nodes
Code
code
code node
Code node

Use the Code node to write custom JavaScript or Python and run it as a step in your workflow.
Coding in n8n
This page gives usage information about the Code node. For more guidance on coding in n8n, refer to the
Code
section. It includes:
Reference documentation on
Built-in methods and variables
Guidance on
Handling dates
and
Querying JSON
A growing collection of examples in the
Cookbook
Examples and templates
For usage examples and templates to help you get started, refer to n8n's
Code integrations
page.
Function and Function Item nodes
The Code node replaces the Function and Function Item nodes from version 0.198.0. If you're using an older version of n8n, you can still view the
Function node documentation

and
Function Item node documentation
.
Usage

How to use the Code node.
Choose a mode

There are two modes:
Run Once for All Items
: this is the default. When your workflow runs, the code in the code node executes once, regardless of how many input items there are.
Run Once for Each Item
: choose this if you want your code to run for every input item.
JavaScript

The Code node supports Node.js.
Supported JavaScript features

The Code node supports:
Promises. Instead of returning the items directly, you can return a promise which resolves accordingly.
Writing to your browser console using
console.log
. This is useful for debugging and troubleshooting your workflows.
External libraries

If you self-host n8n, you can import and use built-in and external npm modules in the Code node. To learn how to enable external modules, refer to the
Enable modules in Code node
guide.
If you use n8n Cloud, you can't import external npm modules. n8n makes two modules available for you:
crypto Node.js module
moment npm package
Built-in methods and variables

n8n provides built-in methods and variables for working with data and accessing n8n data. Refer to
Built-in methods and variables
for more information.
The syntax to use the built-in methods and variables is
$variableNameor$methodName()

. Type
$
in the Code node or expressions editor to see a list of suggested methods and variables.
Keyboard shortcuts

The Code node editing environment supports time-saving and useful keyboard shortcuts for a range of operations from autocompletion to code-folding and using multiple-cursors. A full list can be found in the
list of keyboard shortcuts
.
Python

n8n added Python support in version 1.0. It doesn't include a Python executable. Instead, n8n provides Python support using
Pyodide
, which is a port of CPython to WebAssembly. This limits the available Python packages to the
Packages included with Pyodide
. n8n downloads the package automatically the first time you use it.
Slower than JavaScript
The Code node takes longer to process Python than JavaScript. This is due to the extra compilation steps.
Built-in methods and variables

n8n provides built-in methods and variables for working with data and accessing n8n data. Refer to
Built-in methods and variables
for more information.
The syntax to use the built-in methods and variables is
_variableName
or
_methodName()
. Type
_
in the Code node to see a list of suggested methods and variables.
Keyboard shortcuts

The Code node editing environment supports time-saving and useful keyboard shortcuts for a range of operations from autocompletion to code-folding and using multiple-cursors. A full list can be found in the
list of keyboard shortcuts
.
File system and HTTP requests

You can't access the file system or make HTTP requests. Use the following nodes instead:
Read/Write File From Disk
HTTP Request
Coding in n8n

There are two places where you can use code in n8n: the Code node and the expressions editor. When using either area, there are some key concepts you need to know, as well as some built-in methods and variables to help with common tasks.

Key concepts

When working with the Code node, you need to understand the following concepts:

Data structure
: understand the data you receive in the Code node, and requirements for outputting data from the node.

Item linking
: learn how data items work, and how to link to items from previous nodes. You need to handle item linking in your code when the number of input and output items doesn't match.

Built-in methods and variables

n8n includes built-in methods and variables. These provide support for:

Accessing specific item data
Accessing data about workflows, executions, and your n8n environment
Convenience variables to help with data and time

Refer to
Built-in methods and variables
for more information.

Use AI in the Code node

Feature availability
AI assistance in the Code node is available to Cloud users. It isn't available in self-hosted n8n.
AI generated code overwrites your code
If you've already written some code on the
Code
tab, the AI generated code will replace it. n8n recommends using AI as a starting point to create your initial code, then editing it as needed.
To use ChatGPT to generate code in the Code node:
In the Code node, set
Language
to
JavaScript
.
Select the
Ask AI
tab.
Write your query.
Select
Generate Code
. n8n sends your query to ChatGPT, then displays the result in the
Code
tab.

Common issues

For common questions or issues and suggested solutions, refer to
Common Issues
.
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Compare Datasets#

Integrations
Built-in nodes
Core nodes
Compare Datasets

The Compare Datasets node helps you compare data from two input streams.
Node parameters

Decide which fields to compare. In
Input A Field
, enter the name of the field you want to use from input stream A. In
Input B Field
, enter the name of the field you want to use from input stream B.
Optional
: You can compare by multiple fields. Select
Add Fields to Match
to set up more comparisons.
Choose how to handle differences between the datasets. In
When There Are Differences
, select one of the following:
Use Input A Version
to treat input stream A as the source of truth.
Use Input B Version
to treat input stream B as the source of truth.
Use a Mix of Versions
to use different inputs for different fields.
Use
Prefer
to select either
Input A Version
or
Input B Version
as the main source of truth.
Enter input fields that are exceptions to

For Everything Except
to pull from the other input source. To add multiple input fields, enter a comma-separated list.
Include Both Versions
to include both input streams in the output, which may make the structure more complex.
Decide whether to use
Fuzzy Compare
. When turned on, the comparison will tolerate small type differences when comparing fields. For example, the number 3 and the string
3
are treated as the same with
Fuzzy Compare
turned on, but wouldn't be treated the same with it turned off.
Understand item comparison

Item comparison is a two stage process:
n8n checks if the values of the fields you selected to compare match across both inputs.
If the fields to compare match, n8n then compares all fields within the items, to determine if the items are the same or different.
Node options

Use the node
Options
to refine your comparison or tweak comparison behavior.
Fields to Skip Comparing

Enter field names that you want to ignore in the comparison.
For example, if you compare the two datasets below using
person.language
as the
Fields to Match
, n8n returns them as different. If you add
person.name
to
Fields to Skip Comparing
, n8n returns them as matching.

```
// Input 1
[
{
"person"
:
{
"name"
:
"Stefan"
,
"language"
:
"de"
}
},
{
"person"
```

:
{
"name"
:
"Jim"
,
"language"
:
"en"
}
},
{
"person"
:
{
"name"
:
"Hans"
,
"language"
:
"de"
}
}
]
// Input 2
[
{
"person"
:
{
"name"
:
"Sara"
,
"language"
:
"de"
}
},
{
"person"
:
{
"name"
:
"Jane"
,
"language"
:
"en"
}

},
{
"person"
:
{
"name"
:
"Harriet"
,
"language"
:
"de"
}
}
]

Disable Dot Notation

Whether to disallow referencing child fields using
parent.child
in the field name (turned on) or allow it (turned off, default).

Multiple Matches

Choose how to handle duplicate data. The default is
Include All Matches
. You can choose
Include First Match Only
.

For example, given these two datasets:

```
// Input 1
[
{
"fruit"
:
{
"type"
:
"apple"
,
"color"
:
"red"
}
},
{
"fruit"
:
{
"type"
:
"apple"
,
"color"
:
"red"
}
},
{
"fruit"
```

:
{
"type"
:
"banana"
,
"color"
:
"yellow"
}
}
]
// Input 2
[
{
"fruit"
:
{
"type"
:
"apple"
,
"color"
:
"red"
}
},
{
"fruit"
:
{
"type"
:
"apple"
,
"color"
:
"red"
}
},
{
"fruit"
:
{
"type"
:
"banana"
,
"color"
:
"yellow"
}

}
]
n8n returns three items in the
Same Branch
tab. The data is the same in both branches.
If you select
Include First Match Only
, n8n returns two items, in the
Same Branch
tab. The data is the same in both branches, but n8n only returns the first occurrence of the matching "apple" items.
Understand the output

There are four output options:
In A only Branch
: Contains data that occurs only in the first input.
Same Branch
: Contains data that's the same in both inputs.
Different Branch
: Contains data that's different between inputs.
In B only Branch
: Contains data that occurs only in the second output.
Templates and examples

Intelligent Email Organization with AI-Powered Content Classification for Gmail
by Niranjan G
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Two way sync Pipedrive and MySQL
by n8n Team
View template details
Sync Google Sheets data with MySQL
by n8n Team
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Compression#

Integrations
Built-in nodes
Core nodes
Compression

Use the Compression node to compress and decompress files. Supports Zip and Gzip formats.
Node parameters

This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
The node parameters depend on which
Operation
you select. Choose to:
Compress
: Create a compressed file from your input data.
Decompress
: Decompress an existing compressed file.
Refer to the sections below for parameters specific to each
Operation
.
Compress

Input Binary Field(s)
: Enter the name of the fields in the input data that contain the binary files you want to compress. To compress more than one file, use a comma-separated list.
Output Format
: Choose whether to format the compressed output as
Zip
or
Gzip
.
File Name
: Enter the name of the zip file the node creates.
Put Output File in Field
: Enter the name of the field in the output data to contain the file.
Decompress

Put Output File in Field
: Enter the name of the fields in the input data that contain the binary files you want to decompress. To decompress more than one file, use a comma-separated list.
Output Prefix
: Enter a prefix to add to the output file name.
Templates and examples

Talk to your SQLite database with a LangChain AI Agent 🧠💬
by Yulia
View template details
Transcribing Bank Statements To Markdown Using Gemini Vision AI
by Jimleuk
View template details
Build a Tax Code Assistant with Qdrant, Mistral.ai and OpenAI
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Convert to File#

Integrations
Built-in nodes
Core nodes
Convert to File

Use the Convert to File node to take input data and output it as a file. This converts the input JSON data into a binary format.
Extract From File
To extract data from a file and convert it to JSON, use the
Extract from File
node.
Operations

Convert to CSV
Convert to HTML
Convert to ICS
Convert to JSON
Convert to ODS
Convert to RTF
Convert to Text File
Convert to XLS
Convert to XLSX
Move Base64 String to File
Node parameters and options depend on the operation you select.
Convert to CSV

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to CSV options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to HTML

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to HTML options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to ICS

Put Output File in Field
. Enter the name of the field in the output data to contain the file.
Event Title
: Enter the title for the event.
Start
: Enter the date and time the event will start. All-day events ignore the time.
End
: Enter the date and time the event will end. All-day events ignore the time. If unset, the node uses the start date.
All Day
: Select whether the event is an all day event (turned on) or not (turned off).
Convert to ICS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Attendees
: Use this option to add attendees to the event. For each attendee, add:
Name
Email
RSVP
: Select whether the attendee needs to confirm attendance (turned on) or doesn't (turned off).
Busy Status
: Use this option to set the busy status for Microsoft applications like Outlook. Choose from:
Busy
Tentative
Calendar Name
: For Apple and Microsoft calendars, enter the
calendar name
for the event.
Description
: Enter an event description.
Geolocation
: Enter the
Latitude
and
Longitude
for the event's location.
Location
: Enter the event's intended venue/location.
Recurrence Rule
: Enter a rule to define the repeat pattern of the event (RRULE). Generate rules using the
iCalendar.org RRULE Tool
.
Organizer
: Enter the organizer's
Name
and
Email
.
Sequence
: If you're sending an update for an event with the same universally unique ID (UID), enter the revision sequence number.
Status
: Set the status of the event. Choose from:
Confirmed
Cancelled
Tentative
UID
: Enter a universally unique ID (UID) for the event. The UID should be globally unique. The node automatically generates a UID if you don't enter one.
URL
: Enter a URL associated with the event.
Use Workflow Timezone

: Whether to use UTC time zone (turned off) or the workflow's timezone (turned on). Set the workflow's timezone in the Workflow Settings
.
Convert to JSON

Choose the best output
Mode
for your needs from these options:
All Items to One File
: Send all input items to a single file.
Each Item to Separate File
: Create a file for every input item.
Convert to JSON options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Format
: Choose whether to format the JSON for easier reading (turned on) or not (turned off).
Encoding
: Choose the character set to use to encode the data. The default is
utf8
.
Convert to ODS

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to ODS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to RTF

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to RFT options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to Text File

Enter the name of the
Text Input Field
that contains a string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey
.
Convert to Text File options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Encoding
: Choose the character set to use to encode the data. The default is
utf8
.
Convert to XLS

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to XLS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to XLSX

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to XLSX options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Move Base64 String to File

Enter the name of the
Base64 Input Field
that contains the Base64 string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey
.
Move Base64 String to File options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
MIME Type
: Enter the MIME type of the output file. Refer to
Common MIME types

for a list of common MIME types and the file extensions they relate to.
Templates and examples

Automated Web Scraping: email a CSV, save to Google Sheets & Microsoft Excel
by Mihai Farcas
View template details
🤖 Telegram Messaging Agent for Text/Audio/Images
by Joseph LePage
View template details
Ultimate Scraper Workflow for n8n
by Pablo
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Crypto#

Integrations
Built-in nodes
Core nodes
Crypto

Use the Crypto node to encrypt data in workflows.
Actions

Generate
a random string
Hash
a text or file
in a specified format
Hmac
a text or file
in a specified format
Sign
a string
using a private key
Node parameters

This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Node parameters depend on the action you select.
Generate parameters

Property Name
: Enter the name of the property to write the random string to.
Type
: Select the encoding type to use to generate the string. Choose from:
ASCII
BASE64
HEX
UUID
Hash parameters

Type
: Select the hash type to use. Choose from:
MD5
SHA256
SHA3-256
SHA3-384
SHA3-512
SHA385
SHA512
Binary File
: Turn this parameter on if the data you want to hash is from a binary file.
Value
: If you turn off
Binary File
, enter the value you want to hash.
Binary Property Name
: If you turn on
Binary File
, enter the name of the binary property that contains the data you want to hash.
Property Name
: Enter the name of the property you want to write the hash to.
Encoding
: Select the encoding type to use. Choose from:
BASE64
HEX
Hmac parameters

Binary File
: Turn this parameter on if the data you want to encrypt is from a binary file.
Value
: If you turn off
Binary File
, enter the value you want to encrypt.
Binary Property Name
: If you turn on
Binary File
, enter the name of the binary property that contains the data you want to encrypt.
Type
: Select the encryption type to use. Choose from:
MD5
SHA256
SHA3-256
SHA3-384
SHA3-512
SHA385
SHA512
Property Name
: Enter the name of the property you want to write the hash to.
Secret
: Enter the secret or secret key used for decoding.
Encoding
: Select the encoding type to use. Choose from:
BASE64
HEX
Sign parameters

Value
: Enter the value you want to sign.
Property Name
: Enter the name of the property you want to write the signed value to.
Algorithm Name or ID
: Choose an algorithm name from the list or specify an ID using an
expression
.
Encoding
: Select the encoding type to use. Choose from:
BASE64
HEX
Private Key
: Enter a private key to use when signing the string.
Templates and examples

Conversational Interviews with AI Agents and n8n Forms
by Jimleuk
View template details
Analyze Crypto Markets with the AI-Powered CoinMarketCap Data Analyst
by Don Jayamaha Jr
View template details
Send a ChatGPT email reply and save responses to Google Sheets
by n8n Team
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Date & Time#

Integrations
Built-in nodes
Core nodes
Date & Time

The Date & Time node manipulates date and time data and convert it to different formats.
Timezone settings
The node relies on the timezone setting. n8n uses either:
The workflow timezone, if set. Refer to
Workflow settings
for more information.
The n8n instance timezone, if the workflow timezone isn't set. The default is
America/New York
for self-hosted instances. n8n Cloud tries to detect the instance owner's timezone when they sign up, falling back to GMT as the default.
Self-hosted users can change the instance setting using
Environment variables
. Cloud admins can change the instance timezone in the
Admin dashboard
.
Date and time in other nodes
You can work with data and time in the Code node, and in expressions in any node. n8n supports Luxon to help work with date and time in JavaScript. Refer to
Date and time with Luxon
for more information.
Operations

Add to a Date
: Add a specified amount of time to a date.
Extract Part of a Date
: Extract part of a date, such as the year, month, or day.
Format a Date
: Transform a date's format to a new format using preset options or a custom expression.
Get Current Date
: Get the current date and choose whether to include the current time or not. Useful for triggering other flows and conditional logic.
Get Time Between Dates
: Calculate the amount of time in specific units between two dates.
Round a Date
: Round a date up or down to the nearest unit of your choice, such as month, day, or hour.
Subtract From a Date
: Subtract a specified amount of time from a date.
Refer to the sections below for parameters and options specific to each operation.
Add to a Date

Configure the node for this operation using these parameters:
Date to Add To
: Enter the date you want to change.
Time Unit to Add
: Select the time unit for the
Duration
parameter.
Duration
: Enter the number of time units to add to the date.
Output Field Name
: Enter the name of the field to output the new date to.
Add to a Date options

This operation has one option:
Include Input Fields
. If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
Extract Part of a Date

Configure the node for this operation using these parameters:
Date
: Enter the date you want to round or extract part of.
Part
: Select the part of the date you want to extract. Choose from:
Year
Month
Week
Day

Hour
Minute
Second
Output Field Name
: Enter the name of the field to output the extracted date part to.
Extract Part of a Date options

This operation has one option:
Include Input Fields
. If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
Format a Date

Configure the node for this operation using these parameters:
Date
: Enter the date you want to format.
Format
: Select the format you want to change the date to. Choose from:
Custom Format
: Enter your own custom format using Luxon's
special tokens
. Tokens are case-sensitive.
MM/DD/YYYY
: For
4 September 1986
, this formats the date as
09/04/1986
.
YYYY/MM/DD
: For
4 September 1986
, this formats the date as
1986/09/04
.
MMMM DD YYYY
: For
4 September 1986
, this formats the date as
September 04 1986
.
MM-DD-YYYY
: For
4 September 1986
, this formats the date as
09-04-1986
.
YYYY-MM-DD

: For
4 September 1986
, this formats the date as
1986-09-04
.
Output Field Name
: Enter the name of the field to output the formatted date to.
Format a Date options

This operation includes these options:
Include Input Fields
: If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
From Date Format
: If the node isn't recognizing the
Date
format correctly, enter the format for that
Date
here so the node can process it properly. Use Luxon's
special tokens
to enter the format. Tokens are case-sensitive
Use Workflow Timezone
: Whether to use the input's time zone (turned off) or the workflow's timezone (turned on).
Get Current Date

Configure the node for this operation using these parameters:
Include Current Time
: Choose whether to include the current time (turned on) or to set the time to midnight (turned off).
Output Field Name
: Enter the name of the field to output the current date to.
Get Current Date options

This operation includes these options:
Include Input Fields
: If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
Timezone
: Set the timezone to use. If left blank, the node uses the n8n instance's timezone.
+00:00 timezone
Use
GMT
for +00:00 timezone.
Get Time Between Dates

Configure the node for this operation using these parameters:
Start Date
: Enter the earlier date you want to compare.
End Date
: Enter the later date you want to compare.
Units
: Select the units you want to calculate the time between. You can include multiple units. Choose from:
Year
Month
Week
Day
Hour
Minute
Second
Millisecond
Output Field Name
: Enter the name of the field to output the calculated time between to.
Get Time Between Dates options

The Get Time Between Dates operation includes the
Include Input Fields
option as well as an
Output as ISO String
option. If you leave this option off, each unit you selected will return its own time difference calculation, for example:
1
2
3
4
timeDifference
years : 1
months : 3
days : 13
If you turn on the
Output as ISO String
option, the node formats the output as a single ISO duration string, for example:
P1Y3M13D
.
ISO duration format displays a format as
P<n>Y<n>M<n>DT<n>H<n>M<n>S
.
<n>
is the number for the unit after it.
P = period (duration). It begins all ISO duration strings.
Y = years
M = months
W = weeks
D = days

T = delineator between dates and times, used to avoid confusion between months and minutes
H = hours
M = minutes
S = seconds
Milliseconds don't get their own unit, but instead are decimal seconds. For example, 2.1 milliseconds is 0.0021S
.
Round a Date

Configure the node for this operation using these parameters:
Date
: Enter the date you'd like to round.
Mode
: Choose whether to
Round Down
or
Round Up
.
To Nearest
: Select the unit you'd like to round to. Choose from:
Year
Month
Week
Day
Hour
Minute
Second
Output Field Name
: Enter the name of the field to output the rounded date to.
Round a Date options

This operation has one option:
Include Input Fields
. If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
Subtract From a Date

Configure the node for this operation using these parameters:
Date to Subtract From
: Enter the date you'd like to subtract from.
Time Unit to Subtract
: Select the unit for the
Duration
amount you want to subtract.
Duration

: Enter the amount of the time units you want to subtract from the
Date to Subtract From
.
Output Field Name
: Enter the name of the field to output the rounded date to.
Subtract From a Date options

This operation has one option:
Include Input Fields
. If you'd like to include all of the input fields in the output, turn this option on. If turned off, only the
Output Field Name
and its contents are output.
Templates and examples

Working with dates and times
by Jonathan
View template details
Create an RSS feed based on a website's content
by Tom
View template details
Customer Support WhatsApp Bot with Google Docs Knowledge Base and Gemini AI
by Tharwat Mohamed
View template details
Browse Date & Time integration templates
, or
search all templates
Related resources

The Date & Time node uses
Luxon
. You can also use Luxon in the
Code
node and
expressions
. Refer to
Date and time with Luxon
for more information.
Supported date formats

n8n supports all date formats
supported by Luxon
. Tokens are case-sensitive.
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GitHub repo
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Debug Helper#

Integrations
Built-in nodes
Core nodes
Debug Helper

Use the Debug Helper node to trigger different error types or generate random datasets to help test n8n workflows.
Operations

Define the operation by selecting the
Category
:
Do Nothing
: Don't do anything.
Throw Error
: Throw an error with the specified type and message.
Out Of Memory
: Generate a specific memory size to simulate being out of memory.
Generate Random Data
: Generate some random data in a selected format.
Node parameters

The node parameters depend on the
Category
selected. The
Do Nothing
Category has no other parameters.
Throw Error

Error Type
: Select the type of error to throw. Choose from:
NodeApiError
NodeOperationError
Error
Error Message
: Enter the error message to throw.
Out Of Memory

The Out of Memory Category adds one parameter, the
Memory Size to Generate
. Enter the approximate amount of memory to generate.
Generate Random Data

Data Type
: Choose the type of random data you'd like to generate. Options include:
Address
Coordinates
Credit Card
Email
IPv4
IPv6
MAC
Nanoids
: If you select this data type, you'll also need to enter:
Nanoid Alphabet
: The alphabet the generator will use to generate the nanoids.
Nanoid Length
: The length of each nanoid.
URL
User Data
UUID
Version
Seed
: If you'd like to generate the data using a specific seed, enter it here. This ensures the data gets generated consistently. If you'd rather use random data generation, leave this field empty.
Number of Items to Generate
: Enter the number of random items you'd like to generate.
Output as Single Array
: Whether to generate the data as a single array (turned on) or multiple items (turned off).
Templates and examples

Build an MCP Server with Google Calendar and Custom Functions
by Solomon
View template details
Test Webhooks in n8n Without Changing WEBHOOK_URL (PostBin & BambooHR Example)
by Ludwig
View template details
Extract Domain and verify email syntax on the go
by Zacharia Kimotho
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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.editfields: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.editfields

Edit Image#

Integrations
Built-in nodes
Core nodes
Edit Image

Use the Edit Image node to manipulate and edit images.
Dependencies
If you aren't running n8n on Docker, you need to install
GraphicsMagick
.
You need to use a node such as the
Read/Write Files from Disk
node or the
HTTP Request
node to pass the image file as a data property to the Edit Image node.
Operations

Add a
Blur
to the image to reduce sharpness
Add a
Border
to the image
Composite
an image on top of another image
Create
a new image
Crop
the image

Draw
on an image
Get Information
about the image
Multi Step
perform multiple operations on the image
Resize
: Change the size of the image
Rotate
the image
Shear
image along the X or Y axis
Add
Text
to the image
Make a color in image
Transparent
Node parameters

The parameters for this node depend on the operation you select.
Blur parameters

Property Name
: Enter the name of the binary property that stores the image data.
Blur
: Enter a number to set how strong the blur should be, between 0 and 1000. Higher numbers create blurrier images.
Sigma
: Enter a number to set the stigma for the blur, between 0 and 1000. Higher numbers create blurrier images.
Refer to
Node options
for optional configuration options.
Border parameters

Property Name
: Enter the name of the binary property that stores the image data.
Border Width
: Enter the width of the border.
Border Height
: Enter the height of the border.
Border Color
: Set the color for the border. You can either enter a hex or select the color swatch to open a color picker.
Refer to
Node options
for optional configuration options.
Composite parameters

Property Name
: Enter the name of the binary property that stores the image data. This image is your base image.
Composite Image Property
: Enter the name of the binary property that stores image to composite on top of the
Property Name
image.
Operator
: Select composite operator, which determines how the composite works. Options include:
Add
Atop
Bumpmap
Copy
Copy Black
Copy Blue
Copy Cyan
Copy Green
Copy Magenta
Copy Opacity
Copy Red
Copy Yellow
Difference
Divide
In
Minus
Multiply
Out
Over
Plus
Subtract
Xor
Position X
: Enter the x axis position (horizontal) of the composite image.
Position Y
: Enter the y axis position (vertical) of the composite image.
Refer to
Node options
for optional configuration options.
Create parameters

Property Name
: Enter the name of the binary property that stores the image data.
Background Color
: Set the background color for the image. You can either enter a hex or select the color swatch to open a color picker.
Image Width
: Enter the width of the image.
Image Height
: Enter the height of the image.

Refer to
Node options
for optional configuration options.
Crop parameters

Property Name
: Enter the name of the binary property that stores the image data.
Width
: Enter the width you'd like to crop to.
Height
: Enter the height you'd like to crop to.
Position X
: Enter the x axis position (horizontal) to start the crop from.
Position Y
: Enter the y axis position (vertical) to start the crop from.
Refer to
Node options
for optional configuration options.
Draw parameters

Property Name
: Enter the name of the binary property that stores the image data.
Primitive
: Select the primitive shape to draw. Choose from:
Circle
Line
Rectangle
Color
: Set the color for the primitive. You can either enter a hex or select the color swatch to open a color picker.
Start Position X
: Enter the x axis position (horizontal) to start drawing from.
Start Position Y
: Enter the y axis position (vertical) to start drawing from.
End Position X
: Enter the x axis position (horizontal) to stop drawing at.
End Position Y
: Enter the y axis position (vertical) to start drawing at.
Corner Radius
: Enter a number to set the corner radius. Adding a corner radius will round the corners of the drawn primitive.
Refer to
Node options
for optional configuration options.
Get Information parameters

For this operation, you only need to add the
Property Name

of the binary property that stores the image data.
Refer to
Node options
for optional configuration options.
Multi Step parameters

Property Name
: Enter the name of the binary property that stores the image data.
Operations
: Add the operations you want the multi step operation to perform. You can use any of the other operations.
Refer to
Node options
for optional configuration options.
Resize parameters

Property Name
: Enter the name of the binary property that stores the image data.
Width
: Enter the new width you'd like for the image.
Height
: Enter the new height you'd like for the image.
Option
: Select how you'd like to resize the image. Choose from:
Ignore Aspect Ratio
: Ignore the aspect ratio and resize to the exact height and width you've entered.
Maximum Area
: The height and width you've entered is the maximum area/size for the image. The image maintains its aspect ratio and won't be larger than the height and/or width you've entered.
Minimum Area
: The height and width you've entered is the minimum area/size for the image. The image maintains its aspect ratio and won't be smaller than the height and/or width you've entered.
Only if Larger
: Resize the image only if it's larger than the width and height you entered. The image maintains its aspect ratio.
Only if Smaller
: Resize the image only if it's smaller than the width and height you entered. The image maintains its aspect ratio.
Percent
: Resize the image using the width and height as percentages of the original image.
Refer to
Node options
for optional configuration options.
Rotate parameters

Property Name
: Enter the name of the binary property that stores the image data.
Rotate
: Enter the number of degrees to rotate the image, from --360 to 360.

Background Color
: Set the background color for the image. You can either enter a hex or select the color swatch to open a color picker. This color is used to fill in the empty background whenever the image is rotated by multiples of 90 degrees. If multipled of 90 degrees are used for the
Rotate
field, the background color isn't used.
Refer to
Node options
for optional configuration options.
Shear parameters

Property Name
: Enter the name of the binary property that stores the image data.
Degrees X
: Enter the number of degrees to shear from the x axis.
Degrees Y
: Enter the number of degrees to shear from the y axis.
Refer to
Node options
for optional configuration options.
Text parameters

Property Name
: Enter the name of the binary property that stores the image data.
Text
: Enter the text you'd like to write on the image.
Font Size
: Select the font size for the text.
Font Color
: Set the font color. You can either enter a hex or select the color swatch to open a color picker.
Position X
: Enter the x axis position (horizontal) to begin the text at.
Position Y
: Enter the y axis position (vertical) to begin the text at.
Max Line Length
: Enter the maximum amount of characters in a line before adding a line break.
Refer to
Node options
for optional configuration options.
Transparent parameters

Property Name
: Enter the name of the binary property that stores the image data.
Color
: Set the color to make transparent. You can either enter a hex or select the color swatch to open a color picker.
Refer to
Node options

for optional configuration options.
Node options

File Name
: Enter the filename of the output file.
Format
: Enter the image format of the output file. Choose from:
bmp
gif
jpeg
png
tiff
WebP
The
Text
operation also includes the option for
Font Name or ID
. Select the text font from the dropdown or specify an ID using an
expression
.
Templates and examples

Flux AI Image Generator
by Max Tkacz
View template details
Generate Instagram Content from Top Trends with AI Image Generation
by mustafa kendigüzel
View template details
AI-Powered WhatsApp Chatbot 🤖📲 for Text, Voice, Images & PDFs with memory 🧠
by Davide
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Error Trigger node#

Integrations
Built-in nodes

Core nodes
Error Trigger node

You can use the Error Trigger node to create error workflows. When another linked workflow fails, this node gets details about the failed workflow and the errors, and runs the error workflow.
Usage

Create a new workflow, with the Error Trigger as the first node.
Give the workflow a name, for example
Error Handler
.
Select
Save
.
In the workflow where you want to use this error workflow:
Select
Options
|
Settings
.
In
Error workflow
, select the workflow you just created. For example, if you used the name Error Handler, select
Error handler
.
Select
Save
.
Now, when this workflow errors, the related error workflow runs.
Note the following:
If a workflow uses the Error Trigger node, you don't have to activate the workflow.
If a workflow contains the Error Trigger node, by default, the workflow uses itself as the error workflow.
You can't test error workflows when running workflows manually. The Error Trigger only runs when an automatic workflow errors.
Templates and examples

Browse Error Trigger integration templates
, or
search all templates
Related resources

You can use the
Stop And Error

node to send custom messages to the Error Trigger.
Read more about
Error workflows
in n8n workflows.
Error data

The default error data received by the Error Trigger is:


```
[
{
"execution"
:
{
"id"
:
"231"
,
"url"
:
"https://n8n.example.com/execution/231"
,
"retryOf"
:
"34"
,
"error"
:
{
"message"
:
"Example Error Message"
,
```

"stack"
:
"Stacktrace"
},
"lastNodeExecuted"
:
"Node With Error"
,
"mode"
:
"manual"
},
"workflow"
:
{
"id"
:
"1"
,
"name"
:
"Example Workflow"
}
}
]

All information is always present, except:

execution.id
: requires the execution to be saved in the database. Not present if the error is in the trigger node of the main workflow, as the workflow doesn't execute.

execution.url
: requires the execution to be saved in the database. Not present if the error is in the trigger node of the main workflow, as the workflow doesn't execute.

execution.retryOf
: only present when the execution is a retry of a failed execution.

If the error is caused by the trigger node of the main workflow, rather than a later stage, the data sent to the error workflow is different. There's less information in
execution{}
and more in
trigger{}
:

{
"trigger"
:
{
"error"
:
{
"context"
:
{},
"name"
:
"WorkflowActivationError"
,
"cause"
:
{
"message"
:
""
,
"stack"
:
""
},
"timestamp"
:
1654609328787
,
"message"
:
""
,
"node"
:
{
.
.
.
}
},
"mode"

:
"trigger"
},
"workflow"
:
{
"id"
:
""
,
"name"
:
""
}
}

Evaluation node#

The Evaluation node performs various operations related to
evaluations
to validate your AI workflow reliability. You can use the Evaluation node to conditionally execute logic based on whether the workflow is under evaluation, to write evaluation outcomes back to a Google Sheet dataset, or to log scoring metrics for your evaluation performance to n8n's evaluations tab.

Credentials

The Evaluation node's
Set Outputs
operation uses Google Sheets to record evaluation outcomes. To use that operation, you must configure a
Google Sheets credential
.

Operations

The Evaluation node offers the following operations:

Set Outputs
: Write the results of an evaluation back to a Google Sheet dataset.

Set Metrics
: Record metrics scoring the evaluation performance to n8n's
Evaluations
tab.

Check If Evaluating
: Branches the workflow execution logic depending on whether the current execution is an evaluation.
The parameters and options available depend on the operation you select.
Set Outputs

The
Set Outputs
operation has the following parameters:
Credential to connect with
: Create or select an existing
Google Sheets credentials
.
Document Containing Dataset
: Choose the spreadsheet document you want to write the evaluation results to. Usually this is the same document you select in the
Evaluation Trigger
node.
Select
From list
to choose the spreadsheet title from the dropdown list,
By URL
to enter the url of the spreadsheet, or
By ID
to enter the
spreadsheetId
.
You can find the
spreadsheetId
in a Google Sheets URL:
https://docs.google.com/spreadsheets/d/spreadsheetId/edit#gid=0
.
Sheet Containing Dataset
: Choose the sheet you want to write the evaluation results to. Usually this is the same sheet you select in the
Evaluation Trigger
node.
Select
From list
to choose the sheet title from the dropdown list,
By URL
to enter the url of the sheet,
By ID
to enter the
sheetId
, or
By Name
to enter the sheet title.
You can find the
sheetId
in a Google Sheets URL:
https://docs.google.com/spreadsheets/d/aBC-123_xYz/edit#gid=sheetId
.

You define the items to write to the Google Sheet in the
Outputs
section. For each output, you set the following:
Name
: The Google Sheet column name to write the evaluation results to.
Value
: The value to write to the Google Sheet.
Set Metrics

The
Set Metrics
operation includes a
Metrics to Return
section where you define the metrics to record and track for your evaluations. You can see the metric results in your workflow's
Evaluations
tab.
For each metric you wish to record, you set the following details:
Name
: The name to use for the metric.
Value
: The numeric value to record. Once you run your evaluation, you can drag and drop values from previous nodes here. Metric values must be numeric.
Check If Evaluating

The
Check If Evaluating
operation does not have any parameters. This operation provides branching output connectors so that you can conditionally execute logic depending on whether the current execution is an evaluation or not.
Templates and examples

AI Automated HR Workflow for CV Analysis and Candidate Evaluation
by Davide
View template details
HR Job Posting and Evaluation with AI
by Francis Njenga
View template details
AI-Powered Candidate Screening and Evaluation Workflow using OpenAI and Airtable
by Billy Christi
View template details
Browse Evaluation integration templates
, or
search all templates
Related resources

To learn more about n8n evaluations, check out the
evaluations documentation
n8n provides a trigger node for evaluations. You can find the node docs
here
.
For common questions or issues and suggested solutions, refer to the evaluations
tips and common issues
page.
Was this page helpful?
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GitHub repo
.

Execute Command#

Integrations
Built-in nodes
Core nodes
Execute Command
Execute Command

The Execute Command node runs shell commands on the host machine that runs n8n.
Which shell runs the command?
This node executes the command in the default shell of the host machine. For example,
cmd
on Windows and
zsh
on macOS.
If you run n8n with Docker, your command will run in the n8n container and not the Docker host.
Not available on Cloud
This node isn't available on n8n Cloud.
Node parameters

Configure the node using the following parameters.
Execute Once

Choose whether you want the node to execute only once (turned on) or once for every item it receives as input (turned off).
Command

Enter the command to execute on the host machine. Refer to sections below for examples of running
multiple commands
and
cURL commands

.

Run multiple commands

Use one of two methods to run multiple commands in one Execute Command node:

- Enter each command on one line separated by `&&`. For example, you can combine the change directory (cd) command with the list (ls) command using `&&`.

```
cd bin && ls
```

- Enter each command on a separate line. For example, you can write the list (ls) command on a new line after the change directory (cd) command.

```
cd bin
ls
```

Run cURL command

You can also use the HTTP Request node to make a cURL request.

If you want to run the curl command in the Execute Command node, you will have to build a Docker image based on the existing n8n image. The default n8n Docker image uses Alpine Linux. You will have to install the curl package.

1. Create a file named `Dockerfile`.
2. Add the below code snippet to the Dockerfile.

```
FROM docker.n8n.io/n8nio/n8n
USER root
RUN apk --update add curl
USER node
```

3. In the same folder, execute the command below to build the Docker image.

1
docker
build
-t
n8n-curl
Replace the Docker image you used before. For example, replace
docker.n8n.io/n8nio/n8n
with
n8n-curl
.
Run the newly created Docker image. You'll now be able to execute ssh using the Execute Command Node.
Templates and examples

Scrape and store data from multiple website pages
by Miquel Colomer
View template details
Git backup of workflows and credentials
by Allan Daemon
View template details
Track changes of product prices
by sthosstudio
View template details
Browse Execute Command integration templates
, or
search all templates
Common issues

For common questions or issues and suggested solutions, refer to
Common Issues
.
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.

Execute Sub-workflow#

Integrations
Built-in nodes
Core nodes
Execute Sub-workflow

Use the Execute Sub-workflow node to run a different workflow on the host machine that runs n8n.
Node parameters

Source

Select where the node should get the sub-workflow's information from:
Database
: Select this option to load the workflow from the database by ID. You must also enter either:
From list
: Select the workflow from a list of workflows available to your account.
Workflow ID
: Enter the ID for the workflow. The URL of the workflow contains the ID after
/workflow/
. For example, if the URL of a workflow is
https://my-n8n-acct.app.n8n.cloud/workflow/abCDE1f6gHiJKL7
, the
Workflow ID
is
abCDE1f6gHiJKL7
.
Local File
: Select this option to load the workflow from a locally saved JSON file. You must also enter:
Workflow Path
: Enter the path to the local JSON workflow file you want the node to execute.
Parameter
: Select this option to load the workflow from a parameter. You must also enter:
Workflow JSON
: Enter the JSON code you want the node to execute.
URL
: Select this option to load the workflow from a URL. You must also enter:
Workflow URL
: Enter the URL you want to load the workflow from.
Workflow Inputs

If you select a sub-workflow using the
database
and
From list
options, the sub-workflow's input items will automatically display, ready for you to fill in or map values.
You can optionally remove requested input items, in which case the sub-workflow receives
null
as the item's value. You can also enable
Attempt to convert types
to try to automatically convert data to the sub-workflow item's requested type.
Input items won't appear if the sub-workflow's Workflow Input Trigger node uses the "Accept all data" input data mode.
Mode

Use this parameter to control the execution mode for the node. Choose from these options:
Run once with all items
: Pass all input items into a single execution of the node.
Run once for each item
: Execute the node once for each input item in turn.
Node options

This node includes one option:
Wait for Sub-Workflow Completion
. This lets you control whether the main workflow should wait for the sub-workflow's completion before moving on to the next step (turned on) or whether the main workflow should continue without waiting (turned off).
Templates and examples

Scrape business emails from Google Maps without the use of any third party APIs
by Akram Kadri
View template details
Back Up Your n8n Workflows To Github
by Jonathan
View template details
Host Your Own AI Deep Research Agent with n8n, Apify and OpenAI o3
by Jimleuk
View template details
Browse Execute Sub-workflow integration templates
, or
search all templates
Set up and use a sub-workflow

This section walks through setting up both the parent workflow and sub-workflow.
Create the sub-workflow

Create a new workflow.
Create sub-workflows from existing workflows
You can optionally create a sub-workflow directly from an existing parent workflow using the
Execute Sub-workflow
node. In the node, select the
Database
and
From list
options and select
Create a sub-workflow
in the list.
You can also extract selected nodes directly using
Sub-workflow conversion
in the context menu.

Optional
: configure which workflows can call the sub-workflow:
Select the
Options
menu >
Settings
. n8n opens the
Workflow settings
modal.
Change the
This workflow can be called by
setting. Refer to
Workflow settings
for more information on configuring your workflows.
Add the
Execute Sub-workflow
trigger node (if you are searching under trigger nodes, this is also titled
When Executed by Another Workflow
).
Set the
Input data mode
to choose how you will define the sub-workflow's input data:
Define using fields below
: Choose this mode to define individual input names and data types that the calling workflow needs to provide. The
Execute Sub-workflow node
or
Call n8n Workflow Tool node
in the calling workflow will automatically pull in the fields defined here.
Define using JSON example
: Choose this mode to provide an example JSON object that demonstrates the expected input items and their types.
Accept all data
: Choose this mode to accept all data unconditionally. The sub-workflow won't define any required input items. This sub-workflow must handle any input inconsistencies or missing values.
Add other nodes as needed to build your sub-workflow functionality.
Save the sub-workflow.
Sub-workflow mustn't contain errors
If there are errors in the sub-workflow, the parent workflow can't trigger it.
Load data into sub-workflow before building
This requires the ability to
load data from previous executions
, which is available on n8n Cloud and registered Community plans.
If you want to load data into your sub-workflow to use while building it:
Create the sub-workflow and add the
Execute Sub-workflow Trigger
.
Set the node's
Input data mode
to
Accept all data
or define the input items using fields or JSON if they're already known.
In the sub-workflow
settings

, set
Save successful production executions
to
Save
.
Skip ahead to setting up the parent workflow, and run it.
Follow the steps to
load data from previous executions
.
Adjust the
Input data mode
to match the input sent by the parent workflow if necessary.
You can now pin example data in the trigger node, enabling you to work with real data while configuring the rest of the workflow.
Call the sub-workflow

Open the workflow where you want to call the sub-workflow.
Add the
Execute Sub-workflow
node.
In the
Execute Sub-workflow
node, set the sub-workflow you want to call. You can choose to call the workflow by ID, load a workflow from a local file, add workflow JSON as a parameter in the node, or target a workflow by URL.
Find your workflow ID
Your sub-workflow's ID is the alphanumeric string at the end of its URL.
Fill in the required input items defined by the sub-workflow.
Save your workflow.
When your workflow executes, it will send data to the sub-workflow, and run it.
You can follow the execution flow from the parent workflow to the sub-workflow by opening the Execute Sub-workflow node and selecting the
View sub-execution
link. Likewise, the sub-workflow's execution contains a link back to the parent workflow's execution to navigate in the other direction.
How data passes between workflows

As an example, imagine you have an Execute Sub-workflow node in
Workflow A
. The Execute Sub-workflow node calls another workflow called
Workflow B
:
The Execute Sub-workflow node passes the data to the Execute Sub-workflow Trigger node (titled "When executed by another node" in the canvas) of
Workflow B
.
The last node of
Workflow B
sends the data back to the Execute Sub-workflow node in
Workflow A
.

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GitHub repo
.

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.facebookleadads: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.facebookleadads

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.facebookmarketing: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.facebookmarketing

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.flowise: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.flowise

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.freshsales: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.freshsales

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.freshservice: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.freshservice

Code node#

Integrations
Built-in nodes
Core nodes
Code
code
code node
Code node

Use the Code node to write custom JavaScript or Python and run it as a step in your workflow.
Coding in n8n
This page gives usage information about the Code node. For more guidance on coding in n8n, refer to the
Code
section. It includes:
Reference documentation on
Built-in methods and variables
Guidance on
Handling dates
and
Querying JSON
A growing collection of examples in the
Cookbook
Examples and templates
For usage examples and templates to help you get started, refer to n8n's
Code integrations

page.
Function and Function Item nodes
The Code node replaces the Function and Function Item nodes from version 0.198.0. If you're using an older version of n8n, you can still view the
Function node documentation
and
Function Item node documentation
.
Usage

How to use the Code node.
Choose a mode

There are two modes:
Run Once for All Items
: this is the default. When your workflow runs, the code in the code node executes once, regardless of how many input items there are.
Run Once for Each Item
: choose this if you want your code to run for every input item.
JavaScript

The Code node supports Node.js.
Supported JavaScript features

The Code node supports:
Promises. Instead of returning the items directly, you can return a promise which resolves accordingly.
Writing to your browser console using
console.log
. This is useful for debugging and troubleshooting your workflows.
External libraries

If you self-host n8n, you can import and use built-in and external npm modules in the Code node. To learn how to enable external modules, refer to the
Enable modules in Code node
guide.
If you use n8n Cloud, you can't import external npm modules. n8n makes two modules available for you:
crypto Node.js module
moment npm package
Built-in methods and variables

n8n provides built-in methods and variables for working with data and accessing n8n data. Refer to
Built-in methods and variables
for more information.
The syntax to use the built-in methods and variables is
$variableNameor$methodName()
. Type
$
in the Code node or expressions editor to see a list of suggested methods and variables.
Keyboard shortcuts

The Code node editing environment supports time-saving and useful keyboard shortcuts for a range of operations from autocompletion to code-folding and using multiple-cursors. A full list can be found in the
list of keyboard shortcuts
.
Python

n8n added Python support in version 1.0. It doesn't include a Python executable. Instead, n8n provides Python support using
Pyodide
, which is a port of CPython to WebAssembly. This limits the available Python packages to the
Packages included with Pyodide
. n8n downloads the package automatically the first time you use it.
Slower than JavaScript
The Code node takes longer to process Python than JavaScript. This is due to the extra compilation steps.
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File system and HTTP requests

You can't access the file system or make HTTP requests. Use the following nodes instead:
Read/Write File From Disk
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Coding in n8n

There are two places where you can use code in n8n: the Code node and the expressions editor. When using either area, there are some key concepts you need to know, as well as some built-in methods and variables to help with common tasks.
Key concepts

When working with the Code node, you need to understand the following concepts:
Data structure
: understand the data you receive in the Code node, and requirements for outputting data from the node.
Item linking
: learn how data items work, and how to link to items from previous nodes. You need to handle item linking in your code when the number of input and output items doesn't match.
Built-in methods and variables

n8n includes built-in methods and variables. These provide support for:
Accessing specific item data
Accessing data about workflows, executions, and your n8n environment
Convenience variables to help with data and time
Refer to
Built-in methods and variables
for more information.
Use AI in the Code node

Feature availability
AI assistance in the Code node is available to Cloud users. It isn't available in self-hosted n8n.
AI generated code overwrites your code
If you've already written some code on the
Code
tab, the AI generated code will replace it. n8n recommends using AI as a starting point to create your initial code, then editing it as needed.
To use ChatGPT to generate code in the Code node:
In the Code node, set
Language
to
JavaScript
.
Select the
Ask AI
tab.

Write your query.
Select
Generate Code
. n8n sends your query to ChatGPT, then displays the result in the
Code
tab.
Common issues

For common questions or issues and suggested solutions, refer to
Common Issues
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Was this page helpful?
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GitHub repo
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Code node#

Integrations
Built-in nodes
Core nodes
Code
code
code node
Code node

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Accessing data about workflows, executions, and your n8n environment

Convenience variables to help with data and time

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to

JavaScript

.

Select the

Ask AI

tab.

Write your query.

Select

Generate Code

. n8n sends your query to ChatGPT, then displays the result in the

Code

tab.

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Common Issues
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GitHub repo
.

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.github: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.github

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googleanalytics: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googleanalytics

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecalendar: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecalendar

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecloudstorage: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecloudstorage

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecontacts: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googlecontacts

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googledrive: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googledrive

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googleforms: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.googleforms

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.gotowebinar: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.gotowebinar

GraphQL#

Integrations
Built-in nodes
Core nodes
GraphQL

GraphQL
is an open-source data query and manipulation language for APIs, and a runtime for fulfilling queries with existing data. Use the GraphQL node to query a GraphQL endpoint.
Node parameters

This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Authentication

Select the type of authentication to use.
If you select anything other than
None
, the
Credential for
parameter appears for you to select an existing or create a new authentication credential for that authentication type.
HTTP Request Method

Select the underlying HTTP Request method the node should use. Choose from:
GET
POST
: If you select this method, you'll also need to select the
Request Format
the node should use for the query payload. Choose from:
GraphQL (Raw)
JSON
Endpoint

Enter the GraphQL Endpoint you'd like to hit.
Ignore SSL Issues

When you turn on this control, n8n ignores SSL certificate validation failure.
Query

Enter the GraphQL query you want to execute.
Refer to
Related Resources
for information on writing your query.
Response Format

Select the format you'd like to receive query results in. Choose between:
JSON
String
: If you select this format, enter a
Response Data Property Name
to define the property the string is written to.
Headers

Enter any
Headers
you want to pass as part of the query as
Name
/
Value
pairs.
Templates and examples

Get top 5 products on Product Hunt every hour
by Harshil Agrawal
View template details
API queries data from GraphQL
by Jan Oberhauser
View template details
Sentiment Analysis Tracking on Support Issues with Linear and Slack
by Jimleuk
View template details
Browse GraphQL integration templates
, or
search all templates
Related resources

To use the GraphQL node, you need to understand GraphQL query language. GraphQL have their own
Introduction to GraphQL

tutorial.
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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.harvest: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.harvest

HTTP Request node#

Integrations
Built-in nodes
Core nodes
HTTP Request
HTTP Request node

The HTTP Request node is one of the most versatile nodes in n8n. It allows you to make HTTP requests to query data from any app or service with a REST API. You can use the HTTP Request node a regular node or attached to an
AI agent
to use as a
tool
.
When using this node, you're creating a REST API call. You need some understanding of basic API terminology and concepts.
There are two ways to create an HTTP request: configure the
node parameters
or
import a curl command
.
Credentials
Refer to
HTTP Request credentials
for guidance on setting up authentication.
Node parameters

Method

Select the method to use for the request:
DELETE
GET
HEAD
OPTIONS
PATCH
POST

PUT
URL

Enter the endpoint you want to use.
Authentication

n8n recommends using the
Predefined Credential Type
option when it's available. It offers an easier way to set up and manage credentials, compared to configuring generic credentials.
Predefined credentials

Credentials for integrations supported by n8n, including both built-in and community nodes. Use
Predefined Credential Type
for custom operations without extra setup. Refer to
Custom API operations
for more information.
Generic credentials

Credentials for integrations not supported by n8n. You'll need to manually configure the authentication process, including specifying the required API endpoints, necessary parameters, and the authentication method.
You can select one of the following methods:
Basic auth
Custom auth
Digest auth
Header auth
OAuth1 API
OAuth2 API
Query auth
Refer to
HTTP request credentials
for more information on setting up each credential type.
Send Query Parameters

Query parameters act as filters on HTTP requests. If the API you're interacting with supports them and the request you're making needs a filter, turn this option on.
Specify your query parameters
using one of the available options:
Using Fields Below
: Enter
Name
/
Value

pairs of
Query Parameters
. To enter more query parameter name/value pairs, select
Add Parameter
. The name is the name of the field you're filtering on, and the value is the filter value.
Using JSON
: Enter
JSON
to define your query parameters.
Refer to your service's API documentation for detailed guidance.
Send Headers

Use this parameter to send headers with your request. Headers contain metadata or context about your request.
Specify Headers
using one of the available options:
Using Fields Below
: Enter
Name
/
Value
pairs of
Header Parameters
. To enter more header parameter name/value pairs, select
Add Parameter
. The name is the header you wish to set, and the value is the value you want to pass for that header.
Using JSON
: Enter
JSON
to define your header parameters.
Refer to your service's API documentation for detailed guidance.
Send Body

If you need to send a body with your API request, turn this option on.
Then select the
Body Content Type
that best matches the format for the body content you wish to send.
Form URLencoded

Use this option to send your body as
application/x-www-form-urlencoded
.
Specify Body
using one of the available options:
Using Fields Below
: Enter
Name

/
Value
pairs of
Body Parameters
. To enter more body parameter name/value pairs, select
Add Parameter
. The name should be the form field name, and the value is what you wish to set that field to.
Using Single Field
: Enter your name/value pairs in a single
Body
parameter with format
fieldname1=value1&fieldname2=value2
.
Refer to your service's API documentation for detailed guidance.
Form-Data

Use this option to send your body as
multipart/form-data
.
Configure your
Body Parameters
by selecting the
Parameter Type
:
Choose
Form Data
to enter
Name
/
Value
pairs.
Choose
n8n Binary File
to pull the body from a file the node has access to.
Name
: Enter the ID of the field to set.
Input Data Field Name
: Enter the name of the incoming field containing the binary file data you want to process.
Select
Add Parameter
to enter more parameters.
Refer to your service's API documentation for detailed guidance.
JSON

Use this option to send your body as JSON.
Specify Body
using one of the available options:
Using Fields Below

: Enter
Name
/
Value
pairs of
Body Parameters
. To enter more body parameter name/value pairs, select
Add Parameter
.
Using JSON
: Enter
JSON
to define your body.
Refer to your service's API documentation for detailed guidance.
n8n Binary File

Use this option to send the contents of a file stored in n8n as the body.
Enter the name of the incoming field that contains the file as the
Input Data Field Name
.
Refer to your service's API documentation for detailed guidance on how to format the file.
Raw

Use this option to send raw data in the body.
Content Type
: Enter the
Content-Type
header to use for the raw body content. Refer to the IANA
Media types
documentation for a full list of MIME content types.
Body
: Enter the raw body content to send.
Refer to your service's API documentation for detailed guidance.
Node options

Select
Add Option
to view and select these options. Options are available to all parameters unless otherwise noted.
Array Format in Query Parameters

Option availability
This option is only available when you turn on
Send Query Parameters
.

Use this option to control the format for arrays included in query parameters. Choose from these options:
No Brackets
: Arrays will format as the name=value for each item in the array, for example:
foo=bar&foo=qux
.
Brackets Only
: The node adds square brackets after each array name, for example:
foo[]=bar&foo[]=qux
.
Brackets with Indices
: The node adds square brackets with an index value after each array name, for example:
foo[0]=bar&foo[1]=qux
.
Refer to your service's API documentation for guidance on which option to use.
Batching

Control how to batch large numbers of input items:
Items per Batch
: Enter the number of input items to include in each batch.
Batch Interval
: Enter the time to wait between each batch of requests in milliseconds. Enter 0 for no batch interval.
Ignore SSL Issues

By default, n8n only downloads the response if SSL certificate validation succeeds. If you'd like to download the response even if SSL certificate validation fails, turn this option on.
Lowercase Headers

Choose whether to lowercase header names (turned on, default) or not (turned off).
Redirects

Choose whether to follow redirects (turned on by default) or not (turned off). If turned on, enter the maximum number of redirects the request should follow in
Max Redirects
.
Response

Use this option to set some details about the expected API response, including:
Include Response Headers and Status
: By default, the node returns only the body. Turn this option on to return the full response (headers and response status code) as well as the body.
Never Error
: By default, the node returns success only when the response returns with a 2xx code. Turn this option on to return success regardless of

the code returned.
Response Format
: Select the format in which the data gets returned. Choose from:
Autodetect
(default): The node detects and formats the response based on the data returned.
File
: Select this option to put the response into a file. Enter the field name where you want the file returned in
Put Output in Field
.
JSON
: Select this option to format the response as JSON.
Text
: Select this option to format the response as plain text. Enter the field name where you want the file returned in
Put Output in Field
.
Pagination

Use this option to paginate results, useful for handling query results that are too big for the API to return in a single call.
Inspect the API data first
Some options for pagination require knowledge of the data returned by the API you're using. Before setting up pagination, either check the API documentation, or do an API call without pagination, to see the data it returns.
Understand pagination
Pagination means splitting a large set of data into multiple pages. The amount of data on each page depends on the limit you set.
For example, you make an API call to an endpoint called
/users
. The API wants to send back information on 300 users, but this is too much data for the API to send in one response.
If the API supports pagination, you can incrementally fetch the data. To do this, you call
/users
with a pagination limit, and a page number or URL to tell the API which page to send. In this example, say you use a limit of 10, and start from page 0. The API sends the first 10 users in its response. You then call the API again, increasing the page number by 1, to get the next 10 results.
Configure the pagination settings:
Pagination Mode
:
Off
: Turn off pagination.
Update a Parameter in Each Request
: Use this when you need to dynamically set parameters for each request.
Response Contains Next URL
: Use this when the API response includes the URL of the next page. Use an expression to set
Next URL
.
For example setups, refer to
HTTP Request node cookbook | Pagination
.
n8n provides built-in variables for working with HTTP node requests and responses when using pagination:
Variable
Description
$pageCountThepaginationcount.Trackshowmanypagesthenodehasfetched.$request
The request object sent by the HTTP node.

$responseTheresponseobjectfromtheHTTPcall.Includes$response.body
,
$response.headers, and$response.statusCode
. The contents of
body
and
headers
depend on the data sent by the API.
API differences
Different APIs implement pagination in different ways. Check the API documentation for the API you're using for details. You need to find out things like:
Does the API provide the URL for the next page?
Are there API-specific limits on page size or page number?
The structure of the data that the API returns.
Proxy

Use this option if you need to specify an HTTP proxy.
Enter the
Proxy
the request should use.
Timeout

Use this option to set how long the node should wait for the server to send response headers (and start the response body). The node aborts requests that exceed this value for the initial response.
Enter the
Timeout
time to wait in milliseconds.
Tool-only options

The following options are only available when attached to an
AI agent
as a
tool
.
Optimize Response

Whether to optimize the tool response to reduce the amount of data passed to the LLM. Optimizing the response can reduce costs and can help the LLM ignore unimportant details, often leading to better results.
When optimizing responses, you select an expected response type, which determines other options you can configure. The supported response types are:
JSON

When expecting a
JSON
response, you can configure which parts of the JSON data to use as a response with the following choices:
Field Containing Data
: This field identifies a specific part of the JSON object that contains your relevant data. You can leave this blank to use the entire response.
Include Fields
: This is how you choose which fields you want in your response object. There are three choices:
All
: Include all fields in the response object.
Selected
: Include only the fields specified below.
Fields
: A comma-separated list of fields to include in the response. You can use dot notation to specify nested fields. You can drag fields from the Input panel to add them to the field list.
Exclude
: Include all fields
except
the fields specified below.
Fields
: A comma-separated list of fields to exclude from the response. You can use dot notation to specify nested fields. You can drag fields from the Input panel to add them to the field list.
HTML

When expecting
HTML
, you can identify the part of an HTML document relevant to the LLM and optimize the response with the following options:
Selector (CSS)
: A specific element or element type to include in the response HTML. Uses the
body
element by default.
Return Only Content
: Whether to strip HTML tags and attributes from the response, leaving only the actual content. This uses fewer tokens and may be easier for the model to understand.
Elements To Omit
: A comma-separated list of CSS selectors to exclude when extracting content.
Truncate Response
: Whether to limit the response size to save tokens.
Max Response Characters
: The maximum number of characters to include in the HTML response. The default value is 1000.
Text

When expecting a generic
Text
response, you can optimize the results with the following options:
Truncate Response
: Whether to limit the response size to save tokens.
Max Response Characters

: The maximum number of characters to include in the HTML response. The default value is 1000.
Import curl command

curl
is a command line tool and library for transferring data with URLs.
You can use curl to call REST APIs. If the API documentation of the service you want to use provides curl examples, you can copy them out of the documentation and into n8n to configure the HTTP Request node.
Import a curl command:
From the HTTP Request node's
Parameters
tab, select
Import cURL
. The
Import cURL command
modal opens.
Paste your curl command into the text box.
Select
Import
. n8n loads the request configuration into the node fields. This overwrites any existing configuration.
Templates and examples

Building Your First WhatsApp Chatbot
by Jimleuk
View template details
Scrape and summarize webpages with AI
by n8n Team
View template details
AI agent that can scrape webpages
by Eduard
View template details
Browse HTTP Request integration templates
, or
search all templates
Common issues

For common questions or issues and suggested solutions, refer to
Common Issues
.
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If#

Integrations
Built-in nodes
Core nodes
If
If node
if
if node
If

Use the If node to split a workflow conditionally based on comparison operations.
Add conditions

Create comparison
Conditions
for your If node.
Use the data type dropdown to select the data type and comparison operation type for your condition. For example, to filter for dates after a particular date, select
Date & Time > is after
.
The fields and values to enter into the condition change based on the data type and comparison you select. Refer to
Available data type comparisons
for a full list of all comparisons by data type.
Select
Add condition
to create more conditions.
Combining conditions

You can choose to keep data:
When it meets all conditions: Create two or more conditions and select
AND
in the dropdown between them.
When it meets any of the conditions: Create two or more conditions and select
OR
in the dropdown between them.
Templates and examples

AI agent that can scrape webpages
by Eduard
View template details

✨🤖Automate Multi-Platform Social Media Content Creation with AI
by Joseph LePage
View template details
Pulling data from services that n8n doesn’t have a pre-built integration for
by Jonathan
View template details
Browse If integration templates
, or
search all templates
Branch execution with If and Merge nodes

0.236.0 and below
n8n removed this execution behavior in version 1.0. This section applies to workflows using the
v0 (legacy)
workflow execution order. By default, this is all workflows built before version 1.0. You can change the execution order in your
workflow settings
.
If you add a Merge node to a workflow containing an If node, it can result in both output data streams of the If node executing.
One data stream triggers the Merge node, which then goes and executes the other data stream.
For example, in the screenshot below there's a workflow containing an Edit Fields node, If node, and Merge node. The standard If node behavior is to execute one data stream (in the screenshot, this is the
true
output). However, due to the Merge node, both data streams execute, despite the If node not sending any data down the
false
data stream.
Related resources

Refer to
Splitting with conditionals
for more information on using conditionals to create complex logic in n8n.
If you need more than two conditional outputs, use the
Switch node
.
Available data type comparisons

String

String data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to

contains
does not contain
starts with
does not start with
ends with
does not end with
matches regex
does not match regex
Number

Number data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to
is greater than
is less than
is greater than or equal to
is less than or equal to
Date & Time

Date & Time data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to
is after
is before
is after or equal to
is before or equal to
Boolean

Boolean data type supports these comparisons:
exists
does not exist
is empty
is not empty
is true
is false
is equal to
is not equal to
Array

Array data type supports these comparisons:
exists
does not exist
is empty
is not empty
contains
does not contain
length equal to
length not equal to
length greater than
length less than
length greater than or equal to
length less than or equal to
Object

Object data type supports these comparisons:
exists
does not exist
is empty
is not empty
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GitHub repo
.

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Transforming data#

Using n8n
Key concepts
Data
Transforming data

n8n uses a predefined
data structure
that allows all nodes to process incoming data correctly.
Your incoming data may have a different data structure, in which case you will need to transform it to allow each item to be processed individually.
For example, the image below shows the output of an
HTTP Request
node that returns data incompatible with n8n's data structure. The node returns the data and displays that only one item was returned.
To transform this kind of structure into the n8n data structure you can use the data transformation nodes:
Aggregate

: take separate items, or portions of them, and group them together into individual items.
Limit
: remove items beyond a defined maximum number.
Remove Duplicates
: identify and delete items that are identical across all fields or a subset of fields.
Sort
: organize lists of in a desired ordering, or generate a random selection.
Split Out
: separate a single data item containing a list into multiple items.
Summarize
: aggregate items together, in a manner similar to Excel pivot tables.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mailerlite: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mailerlite

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Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mattermost: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mattermost

Merge#

Integrations
Built-in nodes
Core nodes
Merge

Use the Merge node to combine data from multiple streams, once data of all streams is available.
Major changes in 0.194.0
The n8n team overhauled this node in n8n 0.194.0. This document reflects the latest version of the node. If you're using an older version of n8n, you can find the previous version of this document
here
.
Minor changes in 1.49.0
n8n version 1.49.0 introduced the option to add more than two inputs. Older versions only support up to two inputs. If you're running an

older version and want to combine multiple inputs in these versions, use the
Code node
.
The
Mode > SQL Query
feature was also added in n8n version 1.49.0 and isn't available in older versions.
Node parameters

You can specify how the Merge node should combine data from different data streams by choosing a
Mode
:
Append

Keep data from all inputs. Choose a
Number of Inputs
to output items of each input, one after another. The node waits for the execution of all connected inputs.
Append mode inputs and output
Combine

Combine data from two inputs. Select an option in
Combine By
to determine how you want to merge the input data.
Matching Fields

Compare items by field values. Enter the fields you want to compare in
Fields to Match
.
n8n's default behavior is to keep matching items. You can change this using the
Output Type
setting:
Keep Matches
: Merge items that match. This is like an inner join.
Keep Non-Matches
: Merge items that don't match.
Keep Everything
: Merge items together that do match and include items that don't match. This is like an outer join.
Enrich Input 1
: Keep all data from Input 1, and add matching data from Input 2. This is like a left join.
Enrich Input 2
: Keep all data from Input 2, and add matching data from Input 1. This is like a right join.
Combine by Matching Fields mode inputs and output
Position

Combine items based on their order. The item at index 0 in Input 1 merges with the item at index 0 in Input 2, and so on.
Combine by Position mode inputs and output
All Possible Combinations

Output all possible item combinations, while merging fields with the same name.
Combine by All Possible Combinations mode inputs and output
Combine mode options

When merging data by
Mode > Combine
, you can set these
Options
:
Clash Handling
: Choose how to merge when data streams clash, or when there are sub-fields. Refer to
Clash handling
for details.
Fuzzy Compare
: Whether to tolerate type differences when comparing fields (enabled), or not (disabled, default). For example, when you enable this, n8n treats
"3"
and
3
as the same.
Disable Dot Notation
: This prevents accessing child fields using
parent.child
in the field name.
Multiple Matches
: Choose how n8n handles multiple matches when comparing data streams.
Include All Matches
: Output multiple items if there are multiple matches, one for each match.
Include First Match Only
: Keep the first item per match and discard the remaining multiple matches.
Include Any Unpaired Items
: Choose whether to keep or discard unpaired items when merging by position. The default behavior is to leave out the items without a match.
Clash Handling

If multiple items at an index have a field with the same name, this is a clash. For example, if all items in both Input 1 and Input 2 have a field named
language
, these fields clash. By default, n8n prioritizes Input 2, meaning if

language
has a value in Input 2, n8n uses that value when merging the items.
You can change this behavior by selecting
Options

Clash Handling
:
When Field Values Clash
: Choose which input to prioritize, or choose
Always Add Input Number to Field Names
to keep all fields and values, with the input number appended to the field name to show which input it came from.
Merging Nested Fields
Deep Merge
: Merge properties at all levels of the items, including nested objects. This is useful when dealing with complex, nested data structures where you need to ensure the merging of all levels of nested properties.
Shallow Merge
: Merge properties at the top level of the items only, without merging nested objects. This is useful when you have flat data structures or when you only need to merge top-level properties without worrying about nested properties.
SQL Query

Write a custom SQL Query to merge the data.
Example:
1
SELECT
*
FROM
input1
LEFT
JOIN
input2
ON
input1
.
name

input2
.
id
Data from previous nodes are available as tables and you can use them in the SQL query as input1, input2, input3, and so on, based on their order. Refer to
AlaSQL GitHub page

for a full list of supported SQL statements.
Choose Branch

Choose which input to keep. This option always waits until the data from both inputs is available. You can choose to
Output
:
The
Input 1 Data
The
Input 2 Data
A Single, Empty Item
The node outputs the data from the chosen input, without changing it.
Templates and examples

Scrape and summarize webpages with AI
by n8n Team
View template details
✨🤖Automate Multi-Platform Social Media Content Creation with AI
by Joseph LePage
View template details
Telegram AI Chatbot
by Eduard
View template details
Browse Merge integration templates
, or
search all templates
Merging data streams with uneven numbers of items

The items passed into Input 1 of the Merge node will take precedence. For example, if the Merge node receives five items in Input 1 and 10 items in Input 2, it only processes five items. The remaining five items from Input 2 aren't processed.
Branch execution with If and Merge nodes

0.236.0 and below
n8n removed this execution behavior in version 1.0. This section applies to workflows using the
v0 (legacy)
workflow execution order. By default, this is all workflows built before version 1.0. You can change the execution order in your
workflow settings
.
If you add a Merge node to a workflow containing an If node, it can result in both output data streams of the If node executing.
One data stream triggers the Merge node, which then goes and executes the other data stream.
For example, in the screenshot below there's a workflow containing an Edit Fields node, If node, and Merge node. The standard If node behavior is to execute one data stream (in the screenshot, this is the
true
output). However, due to the Merge node, both data streams execute, despite the If node not sending any data down the

false
data stream.

Try it out: A step by step example

Create a workflow with some example input data to try out the Merge node.

Set up sample data using the Code nodes

Add a Code node to the canvas and connect it to the Start node.

Paste the following JavaScript code snippet in the
JavaScript Code
field:

```
return [
{
json: {
name: 'Stefan',
language: 'de',
}
},
{
```

```
json
:
{
name
:
'Jim'
,
language
:
'en'
,
}
},
{
json
:
{
name
:
'Hans'
,
language
:
'de'
,
}
}
];
```

Add a second Code node, and connect it to the Start node.
Paste the following JavaScript code snippet in the
JavaScript Code
field:

```
return
[
{
json
:
{
```

greeting
:
'Hello'
,
language
:
'en'
,
}
},
{
json
:
{
greeting
:
'Hallo'
,
language
:
'de'
,
}
}
];
Try out different merge modes

Add the Merge node. Connect the first Code node to
Input 1
, and the second Code node to
Input 2
. Run the workflow to load data into the Merge node.
The final workflow should look like this:
View template details
Now try different options in
Mode
to see how it affects the output data.
Append

Select
Mode

Append
, then select
Execute step
.

Your output in table view should look like this:
name
language
greeting
Stefan
de
Jim
en
Hans
de
en
Hello
de
Hallo
Combine by Matching Fields

You can merge these two data inputs so that each person gets the correct greeting for their language.
Select
Mode

Combine
.
Select
Combine by

Matching Fields
.
In both
Input 1 Field
and
Input 2 Field
, enter
language
. This tells n8n to combine the data by matching the values in the
language
field in each data set.
Select
Execute step
.
Your output in table view should look like this:
name
language
greeting
Stefan
de
Hallo
Jim

en
Hello
Hans
de
Hallo
Combine by Position

Select
Mode

Combine
,
Combine by

Position
, then select
Execute step
.
Your output in table view should look like this:
name
language
greeting
Stefan
en
Hello
Jim
de
Hallo
Keep unpaired items

If you want to keep all items, select
Add Option

Include Any Unpaired Items
, then turn on
Include Any Unpaired Items
.
Your output in table view should look like this:
name
language
greeting
Stefan
en
Hello

Jim
de
Hallo
Hans
de
Combine by All Possible Combinations

Select
Mode

Combine
,
Combine by

All Possible Combinations
, then select
Execute step
.
Your output in table view should look like this:
name
language
greeting
Stefan
en
Hello
Stefan
de
Hallo
Jim
en
Hello
Jim
de
Hallo
Hans
en
Hello
Hans
de
Hallo
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Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftdynamics365crm: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftdynamics365crm

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftexcel: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftexcel

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftonedrive: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftonedrive

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftoutlook: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftoutlook

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftsharepoint: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftsharepoint

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftsql: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftsql

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftteams: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.microsoftteams

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mondaycom: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mondaycom

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mongodb: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mongodb

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.moosend: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.moosend

Convert to File#

Integrations
Built-in nodes
Core nodes
Convert to File

Use the Convert to File node to take input data and output it as a file. This converts the input JSON data into a binary format.
Extract From File
To extract data from a file and convert it to JSON, use the
Extract from File
node.
Operations

Convert to CSV
Convert to HTML
Convert to ICS
Convert to JSON
Convert to ODS
Convert to RTF
Convert to Text File
Convert to XLS
Convert to XLSX
Move Base64 String to File

Node parameters and options depend on the operation you select.
Convert to CSV

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to CSV options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to HTML

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to HTML options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to ICS

Put Output File in Field
. Enter the name of the field in the output data to contain the file.
Event Title
: Enter the title for the event.
Start
: Enter the date and time the event will start. All-day events ignore the time.
End
: Enter the date and time the event will end. All-day events ignore the time. If unset, the node uses the start date.
All Day

: Select whether the event is an all day event (turned on) or not (turned off).
Convert to ICS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Attendees
: Use this option to add attendees to the event. For each attendee, add:
Name
Email
RSVP
: Select whether the attendee needs to confirm attendance (turned on) or doesn't (turned off).
Busy Status
: Use this option to set the busy status for Microsoft applications like Outlook. Choose from:
Busy
Tentative
Calendar Name
: For Apple and Microsoft calendars, enter the
calendar name
for the event.
Description
: Enter an event description.
Geolocation
: Enter the
Latitude
and
Longitude
for the event's location.
Location
: Enter the event's intended venue/location.
Recurrence Rule
: Enter a rule to define the repeat pattern of the event (RRULE). Generate rules using the
iCalendar.org RRULE Tool
.
Organizer
: Enter the organizer's
Name
and
Email
.
Sequence
: If you're sending an update for an event with the same universally unique ID (UID), enter the revision sequence number.
Status
: Set the status of the event. Choose from:
Confirmed
Cancelled
Tentative
UID

: Enter a universally unique ID (UID) for the event. The UID should be globally unique. The node automatically generates a UID if you don't enter one.
URL
: Enter a URL associated with the event.
Use Workflow Timezone
: Whether to use UTC time zone (turned off) or the workflow's timezone (turned on). Set the workflow's timezone in the
Workflow Settings
.
Convert to JSON

Choose the best output
Mode
for your needs from these options:
All Items to One File
: Send all input items to a single file.
Each Item to Separate File
: Create a file for every input item.
Convert to JSON options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Format
: Choose whether to format the JSON for easier reading (turned on) or not (turned off).
Encoding
: Choose the character set to use to encode the data. The default is
utf8
.
Convert to ODS

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to ODS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.

Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to RTF

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to RFT options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to Text File

Enter the name of the
Text Input Field
that contains a string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey
.
Convert to Text File options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Encoding
: Choose the character set to use to encode the data. The default is
utf8
.
Convert to XLS

Configure the node for this operation with the
Put Output File in Field

parameter. Enter the name of the field in the output data to contain the file.
Convert to XLS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to XLSX

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to XLSX options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Move Base64 String to File

Enter the name of the
Base64 Input Field
that contains the Base64 string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey
.
Move Base64 String to File options

You can also configure this operation with these
Options
:

File Name
: Enter the file name for the generated output file.
MIME Type
: Enter the MIME type of the output file. Refer to
Common MIME types
for a list of common MIME types and the file extensions they relate to.
Templates and examples

Automated Web Scraping: email a CSV, save to Google Sheets & Microsoft Excel
by Mihai Farcas
View template details
🤖 Telegram Messaging Agent for Text/Audio/Images
by Joseph LePage
View template details
Ultimate Scraper Workflow for n8n
by Pablo
View template details
Browse Convert to File integration templates
, or
search all templates
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.msg91: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.msg91

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mysql: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.mysql

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.activationtrigger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.activationtrigger

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.aggregate: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.aggregate

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.chattrigger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.chattrigger

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.code: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.code

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.comparedatasets: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.comparedatasets

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.compression: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.compression

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.converttofile: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.converttofile

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.crypto: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.crypto

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.datetime: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.datetime

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.debughelper: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.debughelper

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.editfields: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.editfields

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.editimage: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.editimage

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.emailtrigger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.emailtrigger

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.errortrigger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.errortrigger

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.evaluation: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.evaluation

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.evaluationtrigger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.evaluationtrigger

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.executecommand: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.executecommand

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.executeworkflow: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.executeworkflow

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.function: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.function

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.functionitem: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.functionitem

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.httprequest: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.httprequest

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.if: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.if

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.itemlists: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.itemlists

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.merge: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.merge

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.movebinarydata: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.movebinarydata

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.nocode: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.nocode

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.noop: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.noop

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.readbinaryfile: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.readbinaryfile

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.readbinaryfiles: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.readbinaryfiles

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.removeduplicates: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.n8n-nodes-base.removeduplicates

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeverycron: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeverycron

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryday: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryday

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryhour: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryhour

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryminute: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryminute

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeverymonth: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeverymonth

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryweek: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryweek

Error scraping https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryyear: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/core-nodes/n8n-nodes-base.scheduleeveryyear

Edit Fields (Set)#

Integrations
Built-in nodes
Core nodes
Edit Fields (Set)

Use the Edit Fields node to set workflow data. This node can set new data as well as overwrite data that already exists. This node is crucial in workflows which expect incoming data from previous nodes, such as when inserting values to Google Sheets or databases.
Node parameters

These are the settings and options available in the Edit Fields node.
Mode

You can either use
Manual Mapping
to edit fields using the GUI or
JSON Output

to write JSON that n8n adds to the input data.
Fields to Set

If you select
Mode

Manual Mapping
, you can configure the fields by dragging and dropping values from
INPUT
.
The default behavior when you drag a value is:
n8n sets the value's name as the field name.
The field value contains an expression which accesses the value.
If you don't want to use expressions:
Hover over a field. n8n displays the
Fixed | Expressions
toggle.
Select
Fixed
.
You can do this for both the name and value of the field.
Keep Only Set Fields

Enable this to discard any input data that you don't use in
Fields to Set
.
Include in Output

Choose which input data to include in the node's output data.
Node options

Use these options to customize the behavior of the node.
Include Binary Data

If the input data includes binary data, choose whether to include it in the Edit Fields node's output data.
Ignore Type Conversion Errors

Manual Mapping only.
Enabling this allows n8n to ignore some data type errors when mapping fields.
Support Dot Notation

By default, n8n supports dot notation.
For example, when using manual mapping, the node follows the dot notation for the
Name
field. That means if you set the name in the
Name
field as
number.one
and the value in the
Value
field as
20
, the resulting JSON is:
1
{
"number"
:
{
"one"
:
20
}
}
You can prevent this behavior by selecting
Add Option

Support Dot Notation
, and setting the
Dot Notion
field to off. Now the resulting JSON is:
1
{
"number.one"
:
20
}
Templates and examples

Creating an API endpoint
by Jonathan
View template details
Scrape and summarize webpages with AI
by n8n Team

View template details
Very quick quickstart
by Deborah
View template details
Browse Edit Fields (Set) integration templates
, or
search all templates

Arrays and expressions in JSON Output mode

You can use arrays and expressions when creating your JSON Output.

For example, given this input data generated by the Customer Datastore node:

40
41
42
[
{
"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"
,
"email"
:
"edmund@narnia.gov"
,
"notes"
:
"Passionate sailor"
,
"country"
:
"UK"
,
"created"
:
"1950-10-16"
}
]
Add the following JSON in the
JSON Output
field, with
Include in Output
set to
All Input Fields
:
1
2
3
4
5
6
7
8
9
{
"newKey"
:
"new value"
,
"array"
:
[{{

jso
n
.id
}},
"{{ json.name }}"
],
"object"
:
{
"innerKey1"
:
"new value"
,
"innerKey2"
:
json.id }}"
,
"innerKey3"
:
"{{ "{{ json.name }}"
,
}
}

You get this output:

[
{
"id"
:
"23423532"
,
"name"
:
"Jay Gatsby"
,
"email"
:
"gatsby@west-egg.com"
,
"notes"
:
"Keeps asking about a green light??"
,
"country"
:
"US"
,
"created"
:
"1925-04-10"
,
"newKey"
:
"new value"
,
"array"
:
[
23423532
,
"Jay Gatsby"
],
"object"
:
{

"innerKey1"
:
"new value"
,
"innerKey2"
:
"23423532"
,
"innerKey3"
:
"Jay Gatsby"
}
},
{
"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"
,
"newKey"
:
"new value"
,
"array"
:
[
23423533
,
"José Arcadio Buendía"
],
"object"
:
{

"innerKey1"
:
"new value"
,
"innerKey2"
:
"23423533"
,
"innerKey3"
:
"José Arcadio Buendía"
}
},
{
"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"
,
"newKey"
:
"new value"
,
"array"
:
[
23423534
,
"Max Sendak"
],
"object"
:
{

"innerKey1"
:
"new value"
,
"innerKey2"
:
"23423534"
,
"innerKey3"
:
"Max Sendak"
}
},
{
"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"
,
"newKey"
:
"new value"
,
"array"
:
[
23423535
,
"Zaphod Beeblebrox"
],
"object"
:
{

"innerKey1"
:
"new value"
,
"innerKey2"
:
"23423535"
,
"innerKey3"
:
"Zaphod Beeblebrox"
}
},
{
"id"
:
"23423536"
,
"name"
:
"Edmund Pevensie"
,
"email"
:
"edmund@narnia.gov"
,
"notes"
:
"Passionate sailor"
,
"country"
:
"UK"
,
"created"
:
"1950-10-16"
,
"newKey"
:
"new value"
,
"array"
:
[
23423536
,
"Edmund Pevensie"
],
"object"
:
{

"innerKey1"
:
"new value"
,
"innerKey2"
:
"23423536"
,
"innerKey3"
:
"Edmund Pevensie"
}
}
]
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Loop Over Items#

Integrations
Built-in nodes
Core nodes
Loop Over Items

The Loop Over Items node helps you loop through data when needed.
The node saves the original incoming data, and with each iteration, returns a predefined amount of data through the
loop
output.
When the node execution completes, it combines all of the processed data and returns it through the
done
output.
When to use the Loop Over Items node

By default, n8n nodes are designed to process a list of input items (with some exceptions, detailed below). Depending on what you're trying to achieve, you often don't need the Loop Over Items node in your workflow. You can learn more about how n8n processes multiple items on the
looping in n8n
page.
These links highlight some of the cases where the Loop Over Items node can be useful:
Loop until all items are processed
: describes how the Loop Over Items node differs from normal item processing and when you might want to incorporate this node.
Node exceptions
: outlines specific cases and nodes where you may need to use the Loop Over Items node to manually build looping logic.
Avoiding rate limiting

: demonstrates how to batch API requests to avoid rate limits from other services.
Node parameters

Batch Size

Enter the number of items to return with each call.
Node options

Reset

If turned on, the node will reset with the current input-data newly initialized with each loop. Use this when you want the Loop Over Items node to treat incoming data as a new set of data instead of a continuation of previous items.
For example, you can use the Loop Over Items node with the reset option and an
If node
to query a paginated service when you don't know how many pages you need in advance. The loop queries pages one at a time, performs any processing, and increments the page number. The loop reset ensures the loop recognizes each iteration as a new set of data. The If node evaluates an exit condition to decide whether to perform another iteration or not.
Include a valid termination condition
For workflows like the example described above, it's critical to include a valid termination condition for the loop. If your termination condition never matches, your workflow execution will get stuck in an infinite loop.
When enabled, you can adjust the reset conditions by switching the parameter representation from
Fixed
to
Expression
. The results of your expression evaluation determine when the node will reset item processing.
Templates and examples

Scrape business emails from Google Maps without the use of any third party APIs
by Akram Kadri
View template details
Back Up Your n8n Workflows To Github
by Jonathan
View template details
Scrape and store data from multiple website pages
by Miquel Colomer
View template details
Browse Loop Over Items (Split in Batches) integration templates
, or
search all templates
Read RSS feed from two different sources

This workflow allows you to read an RSS feed from two different sources using the Loop Over Items node. You need the Loop Over Items node in the workflow as the RSS Feed Read node only processes the first item it receives. You can also find the workflow on n8n.io.

The example walks through building the workflow, but assumes you are already familiar with n8n. To build your first workflow, including learning how to add nodes to a workflow, refer to Try it out.

The final workflow looks like this:

View workflow file

Copy the workflow file above and paste into your instance, or manually build it by following these steps:

Add the manual trigger.

Add the Code node.

Copy this code into the Code node:

```
return [
  {
    json: {
      url: 'https://medium.com/feed/n8n-io',
    }
  },
  {
    json: {
      url: 'https://dev.to/feed/n8n',
    }
  }
];
```

Add the Loop Over Items node.
Configure Loop Over Items: set the batch size to
1
in the
Batch Size
field.
Add the RSS Feed Read node.
Select
Test Workflow
. This runs the workflow to load data into the RSS Feed Read node.
Configure RSS Feed Read: map
url
from the input to the
URL
field. You can do this by dragging and dropping from the
INPUT
panel, or using this expression:
{{ $json.url }}
.
Select
Test Workflow
to run the workflow and see the resulting data.
Check that the node has processed all items

To check if the node still has items to process, use the following expression:
{{$node["Loop Over Items"].context["noItemsLeft"]}}
. This expression returns a boolean value. If the node still has data to process, the expression returns
false
, otherwise it returns
true
.
Get the current running index of the node

To get the current running index of the node, use the following expression:
{{$node["Loop Over Items"].context["currentRunIndex"];}}
.
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GitHub repo
.

Convert to File#

Integrations
Built-in nodes
Core nodes
Convert to File

Use the Convert to File node to take input data and output it as a file. This converts the input JSON data into a binary format.
Extract From File
To extract data from a file and convert it to JSON, use the
Extract from File
node.
Operations

Convert to CSV
Convert to HTML
Convert to ICS
Convert to JSON
Convert to ODS
Convert to RTF
Convert to Text File
Convert to XLS
Convert to XLSX
Move Base64 String to File
Node parameters and options depend on the operation you select.
Convert to CSV

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to CSV options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to HTML

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to HTML options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to ICS

Put Output File in Field
. Enter the name of the field in the output data to contain the file.
Event Title
: Enter the title for the event.
Start
: Enter the date and time the event will start. All-day events ignore the time.
End
: Enter the date and time the event will end. All-day events ignore the time. If unset, the node uses the start date.
All Day
: Select whether the event is an all day event (turned on) or not (turned off).
Convert to ICS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Attendees
: Use this option to add attendees to the event. For each attendee, add:
Name
Email
RSVP
: Select whether the attendee needs to confirm attendance (turned on) or doesn't (turned off).
Busy Status
: Use this option to set the busy status for Microsoft applications like Outlook. Choose from:
Busy
Tentative
Calendar Name
: For Apple and Microsoft calendars, enter the
calendar name
for the event.
Description
: Enter an event description.
Geolocation
: Enter the
Latitude
and
Longitude

for the event's location.
Location
: Enter the event's intended venue/location.
Recurrence Rule
: Enter a rule to define the repeat pattern of the event (RRULE). Generate rules using the
iCalendar.org RRULE Tool
.
Organizer
: Enter the organizer's
Name
and
Email
.
Sequence
: If you're sending an update for an event with the same universally unique ID (UID), enter the revision sequence number.
Status
: Set the status of the event. Choose from:
Confirmed
Cancelled
Tentative
UID
: Enter a universally unique ID (UID) for the event. The UID should be globally unique. The node automatically generates a UID if you don't enter one.
URL
: Enter a URL associated with the event.
Use Workflow Timezone
: Whether to use UTC time zone (turned off) or the workflow's timezone (turned on). Set the workflow's timezone in the
Workflow Settings
.
Convert to JSON

Choose the best output
Mode
for your needs from these options:
All Items to One File
: Send all input items to a single file.
Each Item to Separate File
: Create a file for every input item.
Convert to JSON options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Format
: Choose whether to format the JSON for easier reading (turned on) or not (turned off).
Encoding

: Choose the character set to use to encode the data. The default is
utf8
.
Convert to ODS

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to ODS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to RTF

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to RFT options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
If the first row of the file contains header names, turn on the
Header Row
option.
Convert to Text File

Enter the name of the
Text Input Field
that contains a string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey

.
Convert to Text File options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Encoding
: Choose the character set to use to encode the data. The default is
utf8
.
Convert to XLS

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to XLS options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Convert to XLSX

Configure the node for this operation with the
Put Output File in Field
parameter. Enter the name of the field in the output data to contain the file.
Convert to XLSX options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
Compression
: Choose whether to compress and reduce the file's output size.

Header Row
: Turn on if the first row of the file contains header names.
Sheet Name
: Enter the Sheet Name to create in the spreadsheet.
Move Base64 String to File

Enter the name of the
Base64 Input Field
that contains the Base64 string to convert to a file. Use dot-notation for deep fields, for example
level1.level2.currentKey
.
Move Base64 String to File options

You can also configure this operation with these
Options
:
File Name
: Enter the file name for the generated output file.
MIME Type
: Enter the MIME type of the output file. Refer to
Common MIME types
for a list of common MIME types and the file extensions they relate to.
Templates and examples

Automated Web Scraping: email a CSV, save to Google Sheets & Microsoft Excel
by Mihai Farcas
View template details
🤖 Telegram Messaging Agent for Text/Audio/Images
by Joseph LePage
View template details
Ultimate Scraper Workflow for n8n
by Pablo
View template details
Browse Convert to File integration templates
, or
search all templates
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Manual Trigger node#

Integrations
Built-in nodes

Core nodes
Manual Trigger node

Use this node if you want to start a workflow by selecting
Test Workflow
and don't want any option for the workflow to run automatically.
Workflows always need a trigger, or start point. Most workflows start with a trigger node firing in response to an external event or the
Schedule Trigger
firing on a set schedule.
The Manual Trigger node serves as the workflow trigger for workflows that don't have an automatic trigger.
Use this trigger:
To test your workflow before you add an automatic trigger of some kind.
When you don't want the workflow to run automatically.
Common issues

Here are some common errors and issues with the Manual Trigger node and steps to resolve or troubleshoot them.
Only one 'Manual Trigger' node is allowed in a workflow

This error displays if you try to add a Manual Trigger node to a workflow which already includes a Manual Trigger node.
Remove your existing Manual Trigger or edit your workflow to connect that trigger to a different node.
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Switch#

Integrations
Built-in nodes
Core nodes
Switch

Use the Switch node to route a workflow conditionally based on comparison operations. It's similar to the
IF
node, but supports multiple output routes.
Node parameters

Select the
Mode
the node should use:

Rules
: Select this mode to build a matching rule for each output.
Expression
: Select this mode to write an expression to return the output index programmatically.
Node configuration depends on the
Mode
you select.
Rules

To configure the node with this operation, use these parameters:
Create
Routing Rules
to define comparison conditions.
Use the data type dropdown to select the data type and comparison operation type for your condition. For example, to create a rules for dates after a particular date, select
Date & Time > is after
.
The fields and values to enter into the condition change based on the data type and comparison you select. Refer to
Available data type comparisons
for a full list of all comparisons by data type.
Rename Output
: Turn this control on to rename the output field to put matching data into. Enter your desired
Output Name
.
Select
Add Routing Rule
to add more rules.
Rule options

You can further configure the node with this operation using these
Options
:
Fallback Output
: Choose how to route the workflow when an item doesn't match any of the rules or conditions.
None
: Ignore the item. This is the default behavior.
Extra Output
: Send items to an extra, separate output.
Output 0
: Send items to the same output as those matching the first rule.
Ignore Case
: Set whether to ignore letter case when evaluating conditions (turned on) or enforce letter case (turned off).
Less Strict Type Validation
: Set whether you want n8n to attempt to convert value types based on the operator you choose (turned on) or not (turned off).
Send data to all matching outputs
: Set whether to send data to all outputs meeting conditions (turned on) or whether to send the data to the first output matching the conditions (turned off).
Expression

To configure the node with this operation, use these parameters:
Number of Outputs
: Set how many outputs the node should have.
Output Index
: Create an expression to calculate which input item should be routed to which output. The expression must return a number.
Templates and examples

Building Your First WhatsApp Chatbot
by Jimleuk
View template details
Telegram AI Chatbot
by Eduard
View template details
Respond to WhatsApp Messages with AI Like a Pro!
by Jimleuk
View template details
Browse Switch integration templates
, or
search all templates
Related resources

Refer to
Splitting with conditionals
for more information on using conditionals to create complex logic in n8n.
Available data type comparisons

String

String data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to
contains
does not contain
starts with
does not start with
ends with
does not end with

matches regex
does not match regex
Number

Number data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to
is greater than
is less than
is greater than or equal to
is less than or equal to
Date & Time

Date & Time data type supports these comparisons:
exists
does not exist
is empty
is not empty
is equal to
is not equal to
is after
is before
is after or equal to
is before or equal to
Boolean

Boolean data type supports these comparisons:
exists
does not exist
is empty
is not empty
is true
is false
is equal to
is not equal to
Array

Array data type supports these comparisons:
exists
does not exist

is empty
is not empty
contains
does not contain
length equal to
length not equal to
length greater than
length less than
length greater than or equal to
length less than or equal to
Object

Object data type supports these comparisons:
exists
does not exist
is empty
is not empty
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Wait#

Integrations
Built-in nodes
Core nodes
Wait

Use the Wait node pause your workflow's execution. When the workflow pauses it offloads the execution data to the database. When the resume condition is met, the workflow reloads the data and the execution continues.
Operations

The Wait node can
Resume
on the following conditions:
After Time Interval
: The node waits for a certain amount of time.
At Specified Time
: The node waits until a specific time.
On Webhook Call
: The node waits until it receives an HTTP call.
On Form Submitted
: The node waits until it receives a form submission.

Refer to the more detailed sections below for more detailed instructions.
After Time Interval

Wait for a certain amount of time.
This parameter includes two more fields:
Wait Amount
: Enter the amount of time to wait.
Wait Unit
: Select the unit of measure for the
Wait Amount
. Choose from:
Seconds
Minutes
Hours
Days
Refer to
Time-based operations
for more detail on how these intervals work and the timezone used.
At Specified Time

Wait until a specific date and time to continue. Use the date and time picker to set the
Date and Time
.
Refer to
Time-based operations
for more detail on the timezone used.
On Webhook Call

This parameter enables your workflows to resume when the Wait node receives an HTTP call.
The webhook URL that resumes the execution when called is generated at runtime. The Wait node provides the
$execution.resumeUrlvariablesothatyoucanreferenceandsendtheyet-to-be-generatedURLwhereverneeded, forexam$
$partyserviceorinanemail.Whentheworkflowexecutes, theWaitnodegeneratestheresumeURLandthewebhook(s)inyourwo$
execution.resumeUrl
. This generated URL is unique to each execution, so your workflow can contain multiple Wait nodes and as the webhook URL is called it will resume each Wait node sequentially.
For this
Resume
style, set more parameters listed below.
Authentication

Select if and how incoming resume-webhook-requests to
$execution.resumeUrl
should be authenticated. Options include:
Basic Auth

: Use basic authentication. Select or enter a new
Credential for Basic Auth
to use.
Header Auth
: Use header authentication. Select or enter a new
Credential for Header Auth
to use.
JWT Auth
: Use JWT authentication. Select or enter a new
Credential for JWT Auth
to use.
None
: Don't use authentication.
Auth reference
Refer to the
Webhook node | Authentication documentation
for more information on each auth type.
HTTP Method

Select the HTTP method the webhook should use. Refer to the
Webhook node | HTTP Method documentation
for more information.
Response Code

Enter the Response Code the webhook should return. You can use common codes or enter a custom code.
Respond

Set when and how to respond to the webhook from these options:
Immediately
: Respond as soon as the node executes.
When Last Node Finishes
: Return the response code and the data output from the last node executed in the workflow. If you select this option, also set:
Response Data
: Select what data should be returned and what format to use. Options include:
All Entries
: Returns all the entries of the last node in an array.
First Entry JSON
: Return the JSON data of the first entry of the last node in a JSON object.
First Entry Binary
: Return the binary data of the first entry of the last node in a binary file.
No Response Body
: Return with no body.
Using 'Respond to Webhook' Node
: Respond as defined in the
Respond to Webhook

node.
Limit Wait Time

Set whether the workflow will automatically resume execution after a specific limit type (turned on) or not (turned off). If turned on, also set:
Limit Type
: Select what type of limit to enforce from these options:
After Time Interval
: Wait for a certain amount of time.
Enter the limit's
Amount
of time.
Select the limit's
Unit
of time.
At Specified Time
: Wait until a specific date and time to resume.
Max Date and Time
: Use the date and time picker to set the specified time the node should resume.
On Webhook Call options

Binary Property
: Enter the name of the binary property to write the data of the received file to. This option's only relevant if binary data is received.
Ignore Bots
: Set whether to ignore requests from bots like link previewers and web crawlers (turned on) or not (turned off).
IP(s) Whitelist
: Enter IP addresses here to limit who (or what) can invoke the webhook URL. Enter a comma-separated list of allowed IP addresses. Access from IPs outside the whitelist throws a 403 error. If left blank, all IP addresses can invoke the webhook URL.
No Response Body
: Set whether n8n should send a body in the response (turned off) or prevent n8n from sending a body in the response (turned on).
Raw Body
: Set whether to return the body in a raw format like JSON or XML (turned on) or not (turned off).
Response Data
: Enter any custom data you want to send in the response.
Response Headers
: Send more headers in the webhook response. Refer to
MDN Web Docs | Response header
to learn more about response headers.
Webhook Suffix
: Enter a suffix to append to the resume URL. This is useful for creating unique webhook URLs for each Wait node when a workflow contains multiple Wait nodes. Note that the generated
$resumeWebhookUrl
won't automatically include this suffix, you must manually append it to the webhook URL before exposing it.
On Webhook Call limitations

There are some limitations to keep in mind when using On Webhook Call:
Partial executions of your workflow changes the
$resumeWebhookUrl
, so be sure that the node sending this URL to your desired third-party runs in the same execution as the Wait node.
On Form Submitted

Wait for a form submission before continuing. Set up these parameters:
Form Title

Enter the title to display at the top of the form.
Form Description

Enter a form description to display beneath the title. This description can help prompt the user on how to complete the form.
Form Fields

Set up each field you want to appear on your form using these parameters:
Field Label
: Enter the field label you want to appear in the form.
Field Type
: Select the type of field to display in the form. Choose from:
Date
Dropdown List
: Enter each dropdown options in the
Field Options
.
Multiple Choice
: Select whether the user can select a single dropdown option (turned off) or multiple dropdown options (turned on)
Number
Password
Text
Textarea
Required Field
: Set whether the user must complete this field in order to submit the form (turned on) or if the user can submit the form without completing it (turned off).
Respond When

Set when to respond to the form submission. Choose from:
Form Is Submitted
: Respond as soon as this node receives the form submission.
Workflow Finishes
: Respond when the last node of this workflow finishes.
Using 'Respond to Webhook' Node

: Respond when the
Respond to Webhook
node executes.
Limit Wait Time

Set whether the workflow will automatically resume execution after a specific limit type (turned on) or not (turned off).
If turned on, also set:
*
Limit Type
: Select what type of limit to enforce from these options:
*
After Time Interval
: Wait for a certain amount of time.
* Enter the limit's
Amount
of time.
* Select the limit's
Unit
of time.
*
At Specified Time
: Wait until a specific date and time to resume.
*
Max Date and Time
: Use the date and time picker to set the specified time the node should resume.
On Form Response options

Form Response
: Choose how and what you want the form to
Respond With
from these options:
Form Submitted Text
: The form displays whatever text is entered in
Text to Show
after a user fills out the form. Use this option if you want to display a confirmation message.
Redirect URL
: The form will redirect the user to the
URL to Redirect to
after they fill out the form. This must be a valid URL.
Webhook Suffix
: Enter a suffix to append to the resume URL. This is useful for creating unique webhook URLs for each Wait node when a workflow contains multiple Wait nodes. Note that the generated
$resumeWebhookUrl
won't automatically include this suffix, you must manually append it to the webhook URL before exposing it.
Templates and examples

Scrape business emails from Google Maps without the use of any third party APIs
by Akram Kadri
View template details
Fully Automated AI Video Generation & Multi-Platform Publishing
by Juan Carlos Cavero Gracia
View template details
Generate AI Videos with Google Veo3, Save to Google Drive and Upload to YouTube
by Davide
View template details
Browse Wait integration templates
, or
search all templates
Time-based operations

For the time-based resume operations, note that:
For wait times less than 65 seconds, the workflow doesn't offload execution data to the database. Instead, the process continues to run and the execution resumes after the specified interval passes.
The n8n server time is always used regardless of the timezone setting. Workflow timezone settings, and any changes made to them, don't affect the Wait node interval or specified time.
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Webhook node#

Integrations
Built-in nodes
Core nodes
Webhook
call workflow externally
get webhook URL
webhook set route parameters
Webhook node

Use the Webhook node to create
webhooks
, which can receive data from apps and services when an event occurs. It's a trigger node, which means it can start an n8n workflow. This allows services to connect to n8n and run a workflow.
You can use the Webhook node as a trigger for a workflow when you want to receive data and run a workflow based on the data. The Webhook node also supports returning the data generated at the end of a workflow. This makes it useful for building a workflow to process data and return the results, like an API endpoint.
The webhook allows you to trigger workflows from services that don't have a dedicated app trigger node.
Workflow development process

n8n provides different
Webhook URL
s for testing and production. The testing URL includes an option to
Listen for test event
. Refer to
Workflow development
for more information on building, testing, and shifting your Webhook node to production.
Node parameters

Use these parameters to configure your node.
Webhook URLs

The Webhook node has two
Webhook URLs
: test and production. n8n displays the URLs at the top of the node panel.
Select
Test URL
or
Production URL
to toggle which URL n8n displays.
Sample Webhook URLs in the Webhook node's Parameters tab
Test
: n8n registers a test webhook when you select
Listen for Test Event
or
Execute workflow
, if the workflow isn't active. When you call the webhook URL, n8n displays the data in the workflow.
Production
: n8n registers a production webhook when you activate the workflow. When using the production URL, n8n doesn't display the data in the workflow. You can still view workflow data for a production execution: select the
Executions
tab in the workflow, then select the workflow execution you want to view.
HTTP Method

The Webhook node supports standard
HTTP Request Methods
:
DELETE
GET
HEAD
PATCH
POST
PUT
Webhook max payload
The webhook maximum payload size is 16MB.
If you're self-hosting n8n, you can change this using the

endpoint environment variable
N8N_PAYLOAD_SIZE_MAX
.
Path

By default, this field contains a randomly generated webhook URL path, to avoid conflicts with other webhook nodes.
You can manually specify a URL path, including adding route parameters. For example, you may need to do this if you use n8n to prototype an API and want consistent endpoint URLs.
The
Path
field can take the following formats:
/:variable
/path/:variable
/:variable/path
/:variable1/path/:variable2
/:variable1/:variable2
Supported authentication methods

You can require authentication for any service calling your webhook URL. Choose from these authentication methods:
Basic auth
Header auth
JWT auth
None
Refer to
Webhook credentials
for more information on setting up each credential type.
Respond

Immediately
: The Webhook node returns the response code and the message
Workflow got started
.
When Last Node Finishes
: The Webhook node returns the response code and the data output from the last node executed in the workflow.
Using 'Respond to Webhook' Node
: The Webhook node responds as defined in the
Respond to Webhook
node.
Response Code

Customize the
HTTP response code
that the Webhook node returns upon successful execution. Select from common response codes or create a custom code.
Response Data

Choose what data to include in the response body:
All Entries
: The Webhook returns all the entries of the last node in an array.
First Entry JSON
: The Webhook returns the JSON data of the first entry of the last node in a JSON object.
First Entry Binary
: The Webhook returns the binary data of the first entry of the last node in a binary file.
No Response Body
: The Webhook returns without a body.
Applies only to
Respond > When Last Node Finishes
.
Node options

Select
Add Option
to view more configuration options. The available options depend on your node parameters. Refer to the table for option availability.
Allowed Origins (CORS)
: Set the permitted cross-origin domains. Enter a comma-separated list of URLs allowed for cross-origin non-preflight requests. Use
*
(default) to allow all origins.
Binary Property
: Enabling this setting allows the Webhook node to receive binary data, such as an image or audio file. Enter the name of the binary property to write the data of the received file to.
Ignore Bots
: Ignore requests from bots like link previewers and web crawlers.
IP(s) Whitelist
: Enable this to limit who (or what) can invoke a Webhook trigger URL. Enter a comma-separated list of allowed IP addresses. Access from IP addresses outside the whitelist throws a 403 error. If left blank, all IP addresses can invoke the webhook trigger URL.
No Response Body
: Enable this to prevent n8n sending a body with the response.
Raw Body
: Specify that the Webhook node will receive data in a raw format, such as JSON or XML.
Response Content-Type
: Choose the format for the webhook body.
Response Data
: Send custom data with the response.
Response Headers
: Send extra headers in the Webhook response. Refer to
MDN Web Docs | Response header
to learn more about response headers.
Property Name
: by default, n8n returns all available data. You can choose to return a specific JSON key, so that n8n returns the value.
Option
Required node configuration
Allowed Origins (CORS)
Any

Binary Property
Either:
HTTP Method > POST
HTTP Method > PATCH
HTTP Method > PUT
Ignore Bots
Any
IP(s) Whitelist
Any
Property Name
Both:
Respond > When Last Node Finishes
Response Data > First Entry JSON
No Response Body
Respond > Immediately
Raw Body
Any
Response Code
Any except Respond > Using 'Respond to Webhook' Node
Response Content-Type
Both:
Respond > When Last Node Finishes
Response Data > First Entry JSON
Response Data
Respond > Immediately
Response Headers
Any
Templates and examples

Browse Webhook node documentation integration templates
, or
search all templates
Common issues

For common questions or issues and suggested solutions, refer to
Common issues
.
Was this page helpful?
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Read/Write Files from Disk#

Integrations
Built-in nodes

Core nodes
Read/Write Files from Disk

Use the Read/Write Files from Disk node to read and write files from/to the machine where n8n is running.
Self-hosted n8n only
This node isn't available on n8n Cloud.
Operations

Read File(s) From Disk
: Use this operation to retrieve one or more files from the computer that runs n8n.
Write File to Disk
: Use this operation to create a binary file on the computer that runs n8n.
Refer to the sections below for more information on configuring the node for each operation.
Read File(s) From Disk

Configure this operation with these parameters:
File(s) Selector
: Enter the path of the file you want to read.
To enter multiple files, enter a page path pattern. You can use these characters to define a path pattern:
*
: Matches any character zero or more times, excluding path separators.
**
: Matches any character zero or more times, include path separators.
?
: Matches any character except for path separators one time.
[]
: Matches any characters inside the brackets. For example,
[abc]
would match the characters
a
,
b
, or
c
, and nothing else.
Refer to
Picomatch's Basic globbing
documentation for more information on these characters and their expected behavior.
Read File(s) From Disk options

You can also configure this operation with these
Options
:
File Extension

: Enter the extension for the file in the node output.
File Name
: Enter the name for the file in the node output.
MIME Type
: Enter the file's MIME type in the node output. Refer to
Common MIME types
for a list of file extensions and their MIME types.
Put Output File in Field
: Enter the name of the field in the output data to contain the file.
Write File to Disk

Configure this operation with these parameters:
File Path and Name
: Enter the destination for the file, the file's name, and the file's extension.
Input Binary Field
: Enter the name of the field in the node input data that will contain the binary file.
Write File to Disk options

You can also configure this operation with these
Options
:
This operation includes a single option, whether to
Append
data to an existing file instead of creating a new one (turned on) or to create a new file instead of appending to existing (turned off).
Templates and examples

Generate SQL queries from schema only - AI-powered
by Yulia
View template details
Breakdown Documents into Study Notes using Templating MistralAI and Qdrant
by Jimleuk
View template details
Talk to your SQLite database with a LangChain AI Agent 🧠💬
by Yulia
View template details
Browse Read/Write Files from Disk integration templates
, or
search all templates
File locations

If you run n8n in Docker, your command runs in the n8n container and not the Docker host.
This node looks for files relative to the n8n install path. n8n recommends using absolute file paths to prevent any errors.
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XML#

Integrations
Built-in nodes
Core nodes
XML

Use the XML node to convert data from and to XML.
Binary files
If your XML is within a binary file, use the
Extract from File
node to convert it to text first.
Node parameters

Mode
: The format the data should be converted from and to.
JSON to XML
: Converts data from JSON to XML.
XML to JSON
: Converts data from XML to JSON.
Property Name
: Enter the name of the property which contains the data to convert.
Node options

These options are available regardless of the
Mode
you select:
Attribute Key
: Enter the prefix used to access the attributes. Default is
$
.
Character Key
: Enter the prefix used to access the character content. Default is
_
.
All other options depend on the selected
Mode
.
JSON to XML options

These options only appear if you select
JSON to XML
as the
Mode
:
Allow Surrogate Chars
: Set whether to allow using characters from the Unicode surrogate blocks (turned on) or not (turned off).
Cdata
: Set whether to wrap text nodes in

<![CDATA[...]]>

instead of escaping when it's required (turned on) or not (turned off).
Turning this option on doesn't add

<![CDATA[...]]>

if it's not required.
Headless
: Set whether to omit the XML header (turned on) or include it (turned off).
Root Name
: Enter the root element name to use.
XML to JSON options

These options only appear if you select
XML to JSON
as the
Mode
:
Explicit Array
: Set whether to put child nodes in an array (turned on) or create an array only if there's more than one child node (turned off).
Explicit Root
: Set whether to get the root node in the resulting object (turned on) or not (turned off).
Ignore Attributes
: Set whether to ignore all XML attributes and only create text nodes (turned on) or not (turned off).
Merge Attributes
: Set whether to merge attributes and child elements as properties of the parent (turned on) or key attributes off a child attribute object (turned off). This option is ignored if
Ignore Attribute
is turned on.
Normalize
: Set whether to trim whitespaces inside the text nodes (turned on) or not to trim them (turned off).
Normalize Tags
: Set whether to normalize all tag names to lowercase (turned on) or keep tag names as-is (turned off).
Trim
: Set whether to trim the whitespace at the beginning and end of text nodes (turned on) or to leave the whitespace as-is (turned off).
Templates and examples

Generating Keywords using Google Autosuggest
by Zacharia Kimotho
View template details
💡🌐 Essential Multipage Website Scraper with Jina.ai
by Joseph LePage
View template details
Extract Google Trends Keywords & Summarize Articles in Google Sheets
by Miko
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Integrations (Actions) Nodes

Action Network node#

Integrations
Built-in nodes
Actions
Action Network node

Use the Action Network node to automate work in Action Network, and integrate Action Network with other applications. n8n has built-in support for a wide range of Action Network features, including creating, updating, and deleting events, people, tags, and signatures.
On this page, you'll find a list of operations the Action Network node supports, and links to more resources.
Credentials
Refer to
Action Network credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Attendance
Create
Get
Get All
Event
Create

Get
Get All
Person
Create
Get
Get All
Update
Person Tag
Add
Remove
Petition
Create
Get
Get All
Update
Signature
Create
Get
Get All
Update
Tag
Create
Get
Get All
Templates and examples

Browse Action Network integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?

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GitHub repo
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ActiveCampaign node#

Use the ActiveCampaign node to automate work in ActiveCampaign, and integrate ActiveCampaign with other applications. n8n has built-in support for a wide range of ActiveCampaign features, including creating, getting, updating, and deleting accounts, contact, orders, e-commerce customers, connections, lists, tags, and deals.
On this page, you'll find a list of operations the ActiveCampaign node supports and links to more resources.
Credentials
Refer to
ActiveCampaign credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Account
Create an account
Delete an account
Get data of an account
Get data of all accounts
Update an account
Account Contact
Create an association
Delete an association
Update an association
Contact
Create a contact
Delete a contact
Get data of a contact
Get data of all contact
Update a contact
Contact List
Add contact to a list
Remove contact from a list
Contact Tag
Add a tag to a contact

Remove a tag from a contact
Connection
Create a connection
Delete a connection
Get data of a connection
Get data of all connections
Update a connection
Deal
Create a deal
Delete a deal
Get data of a deal
Get data of all deals
Update a deal
Create a deal note
Update a deal note
E-commerce Order
Create a order
Delete a order
Get data of a order
Get data of all orders
Update a order
E-Commerce Customer
Create a E-commerce Customer
Delete a E-commerce Customer
Get data of a E-commerce Customer
Get data of all E-commerce Customer
Update a E-commerce Customer
E-commerce Order Products
Get data of all order products
Get data of a ordered product
Get data of an order's products
List
Get all lists
Tag
Create a tag
Delete a tag
Get data of a tag
Get data of all tags
Update a tag
Templates and examples

Create a contact in ActiveCampaign
by tanaypant
View template details
Receive updates when a new account is added by an admin in ActiveCampaign
by tanaypant
View template details
🛠️ ActiveCampaign Tool MCP Server 💪 all 48 operations
by David Ashby
View template details

Browse ActiveCampaign integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Adalo node#

Integrations
Built-in nodes
Actions
Adalo node

Use the Adalo node to automate work in Adalo, and integrate Adalo with other applications. n8n has built-in support for a wide range of Adalo features, including like creating, getting, updating and deleting databases, records, and collections.
On this page, you'll find a list of operations the Adalo node supports and links to more resources.
Credentials
Refer to
Adalo credentials
for guidance on setting up authentication.
Operations

Collection
Create
Delete

Get
Get Many
Update
Templates and examples

Browse Adalo integration templates
, or
search all templates
Related resources

Refer to
Adalo's documentation
for more information on using Adalo. Their
External Collections with APIs
page gives more detail about what you can do with Adalo collections.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Affinity node#

Integrations
Built-in nodes
Actions
Affinity node

Use the Affinity node to automate work in Affinity, and integrate Affinity with other applications. n8n has built-in support for a wide range of Affinity features, including creating, getting, updating and deleting lists, entries, organization, and persons.
On this page, you'll find a list of operations the Affinity node supports and links to more resources.
Credentials
Refer to
Affinity credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

List
Get a list
Get all lists
List Entry
Create a list entry
Delete a list entry
Get a list entry
Get all list entries
Organization
Create an organization
Delete an organization
Get an organization
Get all organizations
Update an organization
Person
Create a person
Delete a person
Get a person
Get all persons
Update a person
Templates and examples

Create an organization in Affinity
by tanaypant
View template details
Receive updates when a new list is created in Affinity
by Harshil Agrawal
View template details
🛠️ Affinity Tool MCP Server 💪 all 16 operations
by David Ashby
View template details

Browse Affinity integration templates
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Agile CRM node#

Integrations
Built-in nodes
Actions
Agile CRM node

Use the Agile CRM node to automate work in Agile CRM, and integrate Agile CRM with other applications. n8n has built-in support for a wide range of Agile CRM features, including creating, getting, updating and deleting companies, contracts, and deals.
On this page, you'll find a list of operations the Agile CRM node supports and links to more resources.
Credentials
Refer to
Agile CRM credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Company
Create a new company
Delete a company
Get a company
Get all companies
Update company properties
Contact
Create a new contact
Delete a contact
Get a contact
Get all contacts
Update contact properties
Deal
Create a new deal
Delete a deal
Get a deal
Get all deals

Update deal properties
Templates and examples

Browse Agile CRM integration templates
, or
search all templates
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Airtable node#

Integrations
Built-in nodes
Actions
Airtable
Airtable node

Use the Airtable node to automate work in Airtable, and integrate Airtable with other applications. n8n has built-in support for a wide range of Airtable features, including creating, reading, listing, updating and deleting tables.
On this page, you'll find a list of operations the Airtable node supports and links to more resources.
Credentials
Refer to
Airtable credentials
for guidance on setting up authentication.
Operations

Append the data to a table
Delete data from a table
List data from a table
Read data from a table
Update data in a table
Templates and examples

Handling Appointment Leads and Follow-up With Twilio, Cal.com and AI
by Jimleuk
View template details
AI-Powered Social Media Amplifier
by Mudit Juneja
View template details
Technical stock analysis with Telegram, Airtable and a GPT-powered AI Agent
by Mark Shcherbakov

View template details
Browse Airtable integration templates
, or
search all templates
Related resources

n8n provides a trigger node for Airtable. You can find the trigger node docs
here
.
Refer to
Airtable's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Node reference

Get the Record ID

To fetch data for a particular record, you need the Record ID. There are two ways to get the Record ID.
Create a Record ID column in Airtable

To create a
Record ID
column in your table, refer to this
article

. You can then use this Record ID in your Airtable node.
Use the List operation

To get the Record ID of your record, you can use the
List
operation of the Airtable node. This operation will return the Record ID along with the fields. You can then use this Record ID in your Airtable node.
Filter records when using the List operation

To filter records from your Airtable base, use the
Filter By Formula
option. For example, if you want to return all the users that belong to the organization
n8n
, follow the steps mentioned below:
Select 'List' from the
Operation
dropdown list.
Enter the base ID and the table name in the
Base ID
and
Table
field, respectively.
Click on
Add Option
and select 'Filter By Formula' from the dropdown list.
Enter the following formula in the
Filter By Formula
field:
{Organization}='n8n'
.
Similarly, if you want to return all the users that don't belong to the organization
n8n
, use the following formula:
NOT({Organization}='n8n')
.
Refer to the Airtable
documentation
to learn more about the formulas.
Common issues

For common errors or issues and suggested resolution steps, refer to
Common Issues
.

GitHub repo
.

Airtop node#

Use the Airtop node to automate work in Airtop, and integrate Airtop with other applications. n8n has built-in support for a wide range of Airtop features, enabling you to control a cloud-based web browser for tasks like querying, scraping, and interacting with web pages.
On this page, you'll find a list of operations the Airtop node supports, and links to more resources.
Credentials
Refer to
Airtop credentials
for guidance on setting up authentication.
Operations

Session
Create session
Save profile on termination
Terminate session
Window
Create a new browser window
Load URL
Take screenshot
Close window
Extraction
Query page
Query page with pagination
Smart scrape page
Interaction
Click an element
Hover on an element
Type
Templates and examples

Automated LinkedIn Profile Discovery with Airtop and Google Search
by Airtop
View template details
Automate Web Interactions with Claude 3.5 Haiku and Airtop Browser Agent
by Airtop
View template details
Web Site Scraper for LLMs with Airtop
by Airtop

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search all templates
Related resources

Refer to
Airtop's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Contact
Airtop's Support
for assistance or to create a feature request.
Node reference

Create a session and window

Create an Airtop browser session to get a
Session ID
, then use it to create a new browser window. After this, you can use any extraction or interaction operation.
Extract content

Extract content from a web browser using these operations:
Query page
: Extract information from the current window.

Query page with pagination
: Extract information from pages with pagination or infinite scrolling.
Smart scrape page
: Get the window content as markdown.
Get JSON responses by using the
JSON Output Schema
parameter in query operations.
Interacting with pages

Click, hover, or type on elements by describing the element you want to interact with.
Terminate a session

End your session to save resources. Sessions are automatically terminated based on the
Idle Timeout
set in the
Create Session
operation or can be manually terminated using the
Terminate Session
operation.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.amqpsender: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.amqpsender

APITemplate.io node#

Integrations
Built-in nodes
Actions
APITemplate.io node

Use the APITemplate.io node to automate work in APITemplate.io, and integrate APITemplate.io with other applications. n8n has built-in support for a wide range of APITemplate.io features, including getting and creating accounts and PDF.
On this page, you'll find a list of operations the APITemplate.io node supports and links to more resources.
Credentials
Refer to
APITemplate.io credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation

.
Operations

Account
Get
Image
Create
PDF
Create
Templates and examples

🤖 AI content generation for Auto Service 🚘 Automate your social media📲!
by N8ner
View template details
Create an invoice based on the Typeform submission
by Harshil Agrawal
View template details
Generate Dynamic Images with Text & Templates using ImageKit.
by Ahmed Alnaqa
View template details
Browse APITemplate.io integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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GitHub repo
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Asana node#

Integrations
Built-in nodes
Actions
Asana node

Use the Asana node to automate work in Asana, and integrate Asana with other applications. n8n has built-in support for a wide range of Asana features, including creating, updating, deleting, and getting users, tasks, projects, and subtasks.
On this page, you'll find a list of operations the Asana node supports and links to more resources.
Credentials
Refer to
Asana credentials
for guidance on setting up authentication.
Update to 1.22.2 or above
Due to changes in Asana's API, some operations in this node stopped working on 17th January 2023. Upgrade to n8n 1.22.2 or above.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Project
Create a new project
Delete a project
Get a project
Get all projects
Update a project
Subtask
Create a subtask
Get all subtasks
Task
Create a task
Delete a task
Get a task
Get all tasks
Move a task
Search for tasks
Update a task
Task Comment
Add a comment to a task
Remove a comment from a task
Task Tag
Add a tag to a task
Remove a tag from a task
Task Project

Add a task to a project
Remove a task from a project
User
Get a user
Get all users
Templates and examples

Automated Customer Service Ticket Creation & Notifications with Asana & WhatsApp
by Bela
View template details
Sync tasks data between Notion and Asana
by n8n Team
View template details
Receive updates when an event occurs in Asana
by Harshil Agrawal
View template details
Browse Asana integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Automizy node#

Integrations
Built-in nodes

Actions
Automizy node

Use the Automizy node to automate work in Automizy, and integrate Automizy with other applications. n8n has built-in support for a wide range of Automizy features, including creating, reading, listing, updating, deleting contacts, and lists.
On this page, you'll find a list of operations the Automizy node supports and links to more resources.
Credentials
Refer to
Automizy credentials
for guidance on setting up authentication.
Operations

Contact
Create a contact
Delete a contact
Get a contact
Get all contacts
Update a contact
List
Create a list
Delete a list
Get a list
Get all lists
Update a list
Templates and examples

Browse Automizy integration templates
, or
search all templates
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Autopilot node#

Integrations
Built-in nodes
Actions
Autopilot node

Use the Autopilot node to automate work in Autopilot, and integrate Autopilot with other applications. n8n has built-in support for a wide range of Autopilot features, including creating, deleting, and updating contacts, as well as adding contacts to a list.

On this page, you'll find a list of operations the Autopilot node supports and links to more resources.
Autopilot branding change
Autopilot has become Ortto. The Autopilot credentials and nodes are only compatible with Autopilot, not the new Ortto API.
Credentials
Refer to
Autopilot credentials
for guidance on setting up authentication.
Operations

Contact
Create/Update a contact
Delete a contact
Get a contact
Get all contacts
Contact Journey
Add contact to list
Contact List
Add contact to list
Check if contact is on list
Get all contacts on list
Remove a contact from a list
List
Create a list
Get all lists
Templates and examples

Twitch Auto-Clip-Generator: Fetch from Streamers, Clip & Edit on Autopilot
by Matt F.
View template details
Manage contacts via Autopilot
by Harshil Agrawal
View template details
Add new contacts from Autopilot to Airtable
by Harshil Agrawal
View template details
Browse Autopilot integration templates
, or
search all templates
Was this page helpful?
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GitHub repo
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AWS Certificate Manager node#

Integrations
Built-in nodes

Actions
AWS Certificate Manager node

Use the AWS Certificate Manager node to automate work in AWS Certificate Manager, and integrate AWS Certificate Manager with other applications. n8n has built-in support for a wide range of AWS Certificate Manager features, including creating, deleting, getting, and renewing SSL certificates.
On this page, you'll find a list of operations the AWS Certificate Manager node supports and links to more resources.
Credentials
Refer to
AWS Certificate Manager credentials
for guidance on setting up authentication.
Operations

Certificate
Delete
Get
Get Many
Get Metadata
Renew
Templates and examples

Transcribe audio files from Cloud Storage
by Lorena
View template details
Extract and store text from chat images using AWS S3
by Lorena
View template details
Sync data between Google Drive and AWS S3
by Lorena
View template details
Browse AWS Certificate Manager integration templates
, or
search all templates
Related resources

Refer to
AWS Certificate Manager's documentation
for more information on this service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node

to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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AWS Comprehend node#

Integrations
Built-in nodes
Actions
AWS Comprehend node

Use the AWS Comprehend node to automate work in AWS Comprehend, and integrate AWS Comprehend with other applications. n8n has built-in support for a wide range of AWS Comprehend features, including identifying and analyzing texts.
On this page, you'll find a list of operations the AWS Comprehend node supports and links to more resources.
Credentials
Refer to
AWS Comprehend credentials
for guidance on setting up authentication.
Operations

Text
Identify the dominant language
Analyse the sentiment of the text
Templates and examples

Browse AWS Comprehend integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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AWS DynamoDB node#

Integrations
Built-in nodes
Actions
AWS DynamoDB node

Use the AWS DynamoDB node to automate work in AWS DynamoDB, and integrate AWS DynamoDB with other applications. n8n has built-in support for a wide range of AWS DynamoDB features, including creating, reading, updating, deleting items, and records on a database.
On this page, you'll find a list of operations the AWS DynamoDB node supports and links to more resources.
Credentials
Refer to
AWS credentials
for guidance on setting up authentication.
Operations

Item
Create a new record, or update the current one if it already exists (upsert/put)
Delete an item
Get an item
Get all items
Templates and examples

Transcribe audio files from Cloud Storage
by Lorena
View template details
Extract and store text from chat images using AWS S3
by Lorena
View template details
Sync data between Google Drive and AWS S3
by Lorena
View template details
Browse AWS DynamoDB integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.awselasticloadbalancing: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.awselasticloadbalancing

AWS Lambda node#

Integrations
Built-in nodes
Actions
AWS Lambda node

Use the AWS Lambda node to automate work in AWS Lambda, and integrate AWS Lambda with other applications. n8n has built-in support for a wide range of AWS Lambda features, including invoking functions.
On this page, you'll find a list of operations the AWS Lambda node supports and links to more resources.

Credentials
Refer to
AWS Lambda credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Invoke a function
Templates and examples

Browse AWS Lambda integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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AWS Rekognition node#

Integrations
Built-in nodes

Actions
AWS Rekognition node

Use the AWS Rekognition node to automate work in AWS Rekognition, and integrate AWS Rekognition with other applications. n8n has built-in support for a wide range of AWS Rekognition features, including analyzing images.
On this page, you'll find a list of operations the AWS Rekognition node supports and links to more resources.
Credentials
Refer to
AWS Rekognition credentials
for guidance on setting up authentication.
Operations

Image
Analyze
Templates and examples

Browse AWS Rekognition integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication
|
Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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AWS S3 node#

Integrations
Built-in nodes
Actions
AWS S3 node

Use the AWS S3 node to automate work in AWS S3, and integrate AWS S3 with other applications. n8n has built-in support for a wide range of AWS S3 features, including creating and deleting buckets, copying and downloading files, as well as getting folders.
On this page, you'll find a list of operations the AWS S3 node supports and links to more resources.
Credentials
Refer to
AWS credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Bucket
Create a bucket
Delete a bucket
Get all buckets
Search within a bucket
File
Copy a file
Delete a file
Download a file
Get all files
Upload a file
Folder
Create a folder
Delete a folder
Get all folders
Templates and examples

Transcribe audio files from Cloud Storage
by Lorena
View template details
Extract and store text from chat images using AWS S3
by Lorena
View template details
Sync data between Google Drive and AWS S3
by Lorena
View template details
Browse AWS S3 integration templates

, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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AWS SES node#

Integrations
Built-in nodes
Actions
AWS SES node

Use the AWS SES node to automate work in AWS SES, and integrate AWS SES with other applications. n8n has built-in support for a wide range of AWS SES features, including creating, getting, deleting, sending, updating, and adding templates and emails.
On this page, you'll find a list of operations the AWS SES node supports and links to more resources.
Credentials
Refer to
AWS SES credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Custom Verification Email
Create a new custom verification email template
Delete an existing custom verification email template
Get the custom email verification template
Get all the existing custom verification email templates for your account
Add an email address to the list of identities
Update an existing custom verification email template.
Email
Send
Send Template
Template
Create a template
Delete a template
Get a template
Get all templates
Update a template
Templates and examples

Create screenshots with uProc, save to Dropbox and send by email
by Miquel Colomer
View template details
Send an email using AWS SES
by amudhan
View template details
Auto-Notify on New Major n8n Releases via RSS, Email & Telegram
by Miquel Colomer
View template details
Browse AWS SES integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.

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AWS SNS node#

Integrations
Built-in nodes
Actions
AWS SNS node

Use the AWS SNS node to automate work in AWS SNS, and integrate AWS SNS with other applications. n8n has built-in support for a wide range of AWS SNS features, including publishing messages.
On this page, you'll find a list of operations the AWS SNS node supports and links to more resources.
Credentials
Refer to
AWS SNS credentials
for guidance on setting up authentication.
Operations

Publish a message to a topic
Templates and examples

Browse AWS SNS integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to

Custom API operations
for more information.
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AWS SQS node#

Integrations
Built-in nodes
Actions
AWS SQS node

Use the AWS SQS node to automate work in AWS SNS, and integrate AWS SQS with other applications. n8n has built-in support for a wide range of AWS SQS features, including sending messages.
On this page, you'll find a list of operations the AWS SQS node supports and links to more resources.
Credentials
Refer to
AWS SQS credentials
for guidance on setting up authentication.
Operations

Send a message to a queue.
Templates and examples

Browse AWS SQS integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.

Select your credential.
Refer to
Custom API operations
for more information.
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AWS Textract node#

Integrations
Built-in nodes
Actions
AWS Textract node

Use the AWS Textract node to automate work in AWS Textract, and integrate AWS Textract with other applications. n8n has built-in support for a wide range of AWS Textract features, including analyzing invoices.
On this page, you'll find a list of operations the AWS Textract node supports and links to more resources.
Credentials
Refer to
AWS Textract credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Analyze Receipt or Invoice
Templates and examples

Browse AWS Textract integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:

In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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AWS Transcribe node#

Integrations
Built-in nodes
Actions
AWS Transcribe node

Use the AWS Transcribe node to automate work in AWS Transcribe, and integrate AWS Transcribe with other applications. n8n has built-in support for a wide range of AWS Transcribe features, including creating, deleting, and getting transcription jobs.
On this page, you'll find a list of operations the AWS Transcribe node supports and links to more resources.
Credentials
Refer to
AWS Transcribe credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Transcription Job
Create a transcription job
Delete a transcription job
Get a transcription job
Get all transcriptions job
Templates and examples

Transcribe audio files from Cloud Storage
by Lorena
View template details
Create transcription jobs using AWS Transcribe
by Harshil Agrawal
View template details
🛠️ AWS Transcribe Tool MCP Server 💪 all operations
by David Ashby
View template details
Browse AWS Transcribe integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Azure Cosmos DB node#

Integrations
Built-in nodes
Actions
Azure Cosmos DB node

Use the Azure Cosmos DB node to automate work in Azure Cosmos DB and integrate Azure Cosmos DB with other applications. n8n has built-in support for a wide range of Azure Cosmos DB features, which includes creating, getting, updating, and deleting containers and items.
On this page, you'll find a list of operations the Azure Cosmos DB node supports, and links to more resources.
Credentials

You can find authentication information for this node
here
.
Operations

Container
:
Create
Delete
Get
Get Many
Item
:
Create
Delete
Get
Get Many
Execute Query
Update
Templates and examples

🤖 AI content generation for Auto Service 🚘 Automate your social media📲!
by N8ner
View template details
Build Your Own Counseling Chatbot on LINE to Support Mental Health Conversations
by lin@davoy.tech
View template details
CallForge - 05 - Gong.io Call Analysis with Azure AI & CRM Sync
by Angel Menendez
View template details
Browse Azure Cosmos DB integration templates
, or
search all templates
Related resources

Refer to
Azure Cosmos DB's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:

In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Azure Storage node#

Integrations
Built-in nodes
Actions
Azure Storage node

The Azure Storage node has built-in support for a wide range of features, which includes creating, getting, and deleting blobs and containers. Use this node to automate work within the Azure Storage service or integrate it with other services in your workflow.
On this page, you'll find a list of operations the Azure Storage node supports, and links to more resources.
Credentials
You can find authentication information for this node
here
.
Operations

Blob
Create blob
: Create a new blob or replace an existing one.
Delete blob
: Delete an existing blob.
Get blob
: Retrieve data for a specific blob.
Get many blobs
: Retrieve a list of blobs.
Container
Create container
: Create a new container.
Delete container
: Delete an existing container.

Get container
: Retrieve data for a specific container.
Get many containers
: Retrieve a list of containers.
Templates and examples

🤖 AI content generation for Auto Service 🚘 Automate your social media📲!
by N8ner
View template details
Build Your Own Counseling Chatbot on LINE to Support Mental Health Conversations
by lin@davoy.tech
View template details
CallForge - 05 - Gong.io Call Analysis with Azure AI & CRM Sync
by Angel Menendez
View template details
Browse Azure Storage integration templates
, or
search all templates
Related resources

Refer to
Microsoft's Azure Storage documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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GitHub repo
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BambooHR node#

Integrations
Built-in nodes
Actions
BambooHR node

Use the BambooHR node to automate work in BambooHR, and integrate BambooHR with other applications. n8n has built-in support for a wide range of BambooHR features, including creating, deleting, downloading, and getting company reports, employee documents, and files.
On this page, you'll find a list of operations the BambooHR node supports and links to more resources.
Credentials
Refer to
BambooHR credentials
for guidance on setting up authentication.
Operations

Company Report
Get a company report
Employee
Create an employee
Get an employee
Get all employees
Update an employee
Employee Document
Delete an employee document
Download an employee document
Get all employee document
Update an employee document
Upload an employee document
File
Delete a company file
Download a company file
Get all company files
Update a company file
Upload a company file
Templates and examples

BambooHR AI-Powered Company Policies and Benefits Chatbot
by Ludwig
View template details
Test Webhooks in n8n Without Changing WEBHOOK_URL (PostBin & BambooHR Example)
by Ludwig
View template details
🛠️ BambooHR Tool MCP Server 💪 all 15 operations

by David Ashby
View template details
Browse BambooHR integration templates
, or
search all templates
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Bannerbear node#

Integrations
Built-in nodes
Actions
Bannerbear node

Use the Bannerbear node to automate work in Bannerbear, and integrate Bannerbear with other applications. n8n has built-in support for a wide range of Bannerbear features, including creating and getting images and templates.
On this page, you'll find a list of operations the Bannerbear node supports and links to more resources.
Credentials
Refer to
Bannerbear credentials
for guidance on setting up authentication.
Operations

Image
Create an image
Get an image
Template
Get a template
Get all templates
Templates and examples

Speed Up Social Media Banners With BannerBear.com
by Jimleuk
View template details
Render custom text over images
by tanaypant
View template details
Send Airtable data as tasks to Trello
by tanaypant
View template details
Browse Bannerbear integration templates
, or

search all templates
Was this page helpful?
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Baserow node#

Use the Baserow node to automate work in Baserow, and integrate Baserow with other applications. n8n has built-in support for a wide range of Baserow features, including creating, getting, retrieving, and updating rows.

On this page, you'll find a list of operations the Baserow node supports and links to more resources.

Credentials

Refer to
Baserow credentials
for guidance on setting up authentication.

This node can be used as an AI tool

This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.

Operations

Row
Create a row
Delete a row
Retrieve a row
Retrieve all rows
Update a row

Templates and examples

All-in-One Telegram/Baserow AI Assistant 🤖🧠 Voice/Photo/Save Notes/Long Term Mem
by Rod
View template details
User Enablement Demo
by jason
View template details
Create AI Videos with OpenAI Scripts, Leonardo Images & HeyGen Avatars
by Adam Crafts
View template details
Browse Baserow integration templates

, or
search all templates
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Beeminder node#

Integrations
Built-in nodes
Actions
Beeminder node

Use the Beeminder node to automate work in Beeminder, and integrate Beeminder with other applications. n8n has built-in support for a wide range of Beeminder features, including creating, deleting, and updating data points.
On this page, you'll find a list of operations the Beeminder node supports and links to more resources.
Credentials
Refer to
Beeminder credentials
for guidance on setting up authentication.
Operations

data point

- Create data point for a goal
- Delete a data point
- Get all data points for a goal
- Update a data point
  Templates and examples

Browse Beeminder integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:

In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Bitly node#

Integrations
Built-in nodes
Actions
Bitly node

Use the Bitly node to automate work in Bitly, and integrate Bitly with other applications. n8n has built-in support for a wide range of Bitly features, including creating, getting, and updating links.
On this page, you'll find a list of operations the Bitly node supports and links to more resources.
Credentials
Refer to
Bitly credentials
for guidance on setting up authentication.
Operations

Link
Create a link
Get a link
Update a link
Templates and examples

Explore n8n Nodes in a Visual Reference Library
by I versus AI
View template details
Create a URL on Bitly
by sshaligr
View template details

Automate URL Shortening with Bitly Using Llama3 Chat Interface
by Ghufran Ridhawi
View template details
Browse Bitly integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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GitHub repo
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Bitwarden node#

Integrations
Built-in nodes
Actions
Bitwarden node

Use the Bitwarden node to automate work in Bitwarden, and integrate Bitwarden with other applications. n8n has built-in support for a wide range of Bitwarden features, including creating, getting, deleting, and updating collections, events, groups, and members.
On this page, you'll find a list of operations the Bitwarden node supports and links to more resources.
Credentials
Refer to
Bitwarden credentials
for guidance on setting up authentication.
Operations

Collection
Delete
Get
Get All
Update
Event
Get All
Group
Create
Delete
Get
Get All
Get Members
Update
Update Members
Member
Create
Delete
Get
Get All
Get Groups
Update
Update Groups
Templates and examples

Browse Bitwarden integration templates
, or
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Box node#

Integrations
Built-in nodes
Actions
Box node

Use the Box node to automate work in Box, and integrate Box with other applications. n8n has built-in support for a wide range of Box features, including creating, copying, deleting, searching, uploading, and downloading files and folders.
On this page, you'll find a list of operations the Box node supports and links to more resources.
Credentials
Refer to
Box credentials

for guidance on setting up authentication.
Operations

File
Copy a file
Delete a file
Download a file
Get a file
Search files
Share a file
Upload a file
Folder
Create a folder
Get a folder
Delete a folder
Search files
Share a folder
Update folder
Templates and examples

Create a new folder in Box
by amudhan
View template details
Automated Video Translation & Distribution with DubLab to Multiple Platforms
by Behram
View template details
Receive updates for events in Box
by amudhan
View template details
Browse Box integration templates
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search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.

Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Brandfetch node#

Integrations
Built-in nodes
Actions
Brandfetch node

Use the Brandfetch node to automate work in Brandfetch, and integrate Brandfetch with other applications. n8n has built-in support for a wide range of Brandfetch features, including returning a company’ s information.
On this page, you'll find a list of operations the Brandfetch node supports and links to more resources.
Credentials
Refer to
Brandfetch credentials
for guidance on setting up authentication.
Operations

Return a company's colors
Return a company's data
Return a company's fonts
Return a company's industry
Return a company's logo & icon
Templates and examples

Browse Brandfetch integration templates
, or
search all templates
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Brevo node#

Integrations
Built-in nodes

Actions
Brevo node

Use the Brevo node to automate work in Brevo, and integrate Brevo with other applications. n8n has built-in support for a wide range of Brevo features, including creating, updating, deleting, and getting contacts, attributes, as well as sending emails.
On this page, you'll find a list of operations the Brevo node supports and links to more resources.
Credentials
Refer to
Brevo credentials
for guidance on setting up authentication.
Operations

Contact
Create
Create or Update
Delete
Get
Get All
Update
Contact Attribute
Create
Delete
Get All
Update
Email
Send
Send Template
Sender
Create
Delete
Get All
Templates and examples

Smart Email Auto-Responder Template using AI
by Amjid Ali
View template details
Create Leads in SuiteCRM, synchronize with Brevo and notify in NextCloud
by algopi.io
View template details
Automate B2B Lead Generation with Apollo, GPT-4o Scoring, and Brevo Email Outreach
by Luka Zivkovic
View template details
Browse Brevo integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Bubble node#

Integrations
Built-in nodes
Actions
Bubble node

Use the Bubble node to automate work in Bubble, and integrate Bubble with other applications. n8n has built-in support for a wide range of Bubble features, including creating, deleting, getting, and updating objects.
On this page, you'll find a list of operations the Bubble node supports and links to more resources.
Credentials
Refer to
Bubble credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Object
Create
Delete

Get
Get All
Update
Templates and examples

Create, update, and get an object from Bubble
by Harshil Agrawal
View template details
Access data from bubble application
by jason
View template details
AI Agent Integration for Bubble Apps with MCP Protocol Data Access
by Mohamed Salama
View template details
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Chargebee node#

Integrations
Built-in nodes
Actions
Chargebee node

Use the Chargebee node to automate work in Chargebee, and integrate Chargebee with other applications. n8n has built-in support for a wide range of Chargebee features, including creating customers, returning invoices, and canceling subscriptions.
On this page, you'll find a list of operations the Chargebee node supports and links to more resources.
Credentials
Refer to
Chargebee credentials
for guidance on setting up authentication.
Operations

Customer
Create a customer
Invoice
Return the invoices
Get URL for the invoice PDF
Subscription
Cancel a subscription

Delete a subscription
Templates and examples

Browse Chargebee integration templates
, or
search all templates
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CircleCI node#

Integrations
Built-in nodes
Actions
CircleCI node

Use the CircleCI node to automate work in CircleCI, and integrate CircleCI with other applications. n8n has built-in support for a wide range of CircleCI features, including getting and triggering pipelines.
On this page, you'll find a list of operations the CircleCI node supports and links to more resources.
Credentials
Refer to
CircleCI credentials
for guidance on setting up authentication.
Operations

Pipeline
Get a pipeline
Get all pipelines
Trigger a pipeline
Templates and examples

Browse CircleCI integration templates
, or
search all templates
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ClickUp node#

Integrations
Built-in nodes
Actions
ClickUp node

Use the ClickUp node to automate work in ClickUp, and integrate ClickUp with other applications. n8n has built-in support for a wide range of ClickUp features, including creating, getting, deleting, and updating folders, checklists, tags, comments, and goals.

On this page, you'll find a list of operations the ClickUp node supports and links to more resources.

Credentials

Refer to
ClickUp credentials
for guidance on setting up authentication.

This node can be used as an AI tool

This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.

Operations

Checklist
Create a checklist
Delete a checklist
Update a checklist
Checklist Item
Create a checklist item
Delete a checklist item
Update a checklist item
Comment
Create a comment
Delete a comment
Get all comments
Update a comment
Folder
Create a folder
Delete a folder
Get a folder
Get all folders
Update a folder
Goal
Create a goal
Delete a goal
Get a goal
Get all goals
Update a goal
Goal Key Result

Create a key result
Delete a key result
Update a key result
List
Create a list
Retrieve list's custom fields
Delete a list
Get a list
Get all lists
Get list members
Update a list
Space Tag
Create a space tag
Delete a space tag
Get all space tags
Update a space tag
Task
Create a task
Delete a task
Get a task
Get all tasks
Get task members
Set a custom field
Update a task
Task List
Add a task to a list
Remove a task from a list
Task Tag
Add a tag to a task
Remove a tag from a task
Task Dependency
Create a task dependency
Delete a task dependency
Time Entry
Create a time entry
Delete a time entry
Get a time entry
Get all time entries
Start a time entry
Stop the current running timer
Update a time Entry
Time Entry Tag
Add tag to time entry
Get all time entry tags
Remove tag from time entry
Templates and examples

Zoom AI Meeting Assistant creates mail summary, ClickUp tasks and follow-up call
by Friedemann Schuetz
View template details

Create a task in ClickUp
by tanaypant
View template details
Sync Notion database pages as ClickUp tasks
by n8n Team
View template details
Browse ClickUp integration templates
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search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.cloudconvert: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.cloudconvert

Cloudflare node#

Integrations
Built-in nodes
Actions
Cloudflare node

Use the Cloudflare node to automate work in Cloudflare, and integrate Cloudflare with other applications. n8n has built-in support for a wide range of Cloudflare features, including deleting, getting, and uploading zone certificates.
On this page, you'll find a list of operations the Cloudflare node supports and links to more resources.
Credentials
Refer to
Cloudflare credentials

for guidance on setting up authentication.
Operations

Zone Certificate
Delete
Get
Get Many
Upload
Templates and examples

Report phishing websites to Steam and CloudFlare
by chaufnet
View template details
KV - Cloudflare Key-Value Database Full API Integration Workflow
by Nskha
View template details
Extract University Term Dates from Excel using CloudFlare Markdown Conversion
by Jimleuk
View template details
Browse Cloudflare integration templates
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search all templates
Related resources

Refer to
Cloudflare's API documentation on zone-level authentication
for more information on this service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations

for more information.
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Coda node#

Integrations
Built-in nodes
Actions
Coda node

Use the Coda node to automate work in Coda, and integrate Coda with other applications. n8n has built-in support for a wide range of Coda features, including creating, getting, and deleting controls, formulas, tables, and views.
On this page, you'll find a list of operations the Coda node supports and links to more resources.
Credentials
Refer to
Coda credentials
for guidance on setting up authentication.
Operations

Control
Get a control
Get all controls
Formula
Get a formula
Get all formulas
Table
Create/Insert a row
Delete one or multiple rows
Get all columns
Get all the rows
Get a column
Get a row
Pushes a button
View
Delete view row
Get a view
Get all views
Get all views columns
Get all views rows
Update row

Push view button
Templates and examples

Browse Coda integration templates
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search all templates
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Contentful node#

Integrations
Built-in nodes
Actions
Contentful node

Use the Contentful node to automate work in Contentful, and integrate Contentful with other applications. n8n has built-in support for a wide range of Contentful features, including getting assets, content types, entries, locales, and space.
On this page, you'll find a list of operations the Contentful node supports and links to more resources.
Credentials
Refer to
Contentful credentials
for guidance on setting up authentication.
Operations

Asset
Get
Get All
Content Type
Get
Entry
Get
Get All
Locale
Get All

Space
Get
Templates and examples

Generate Knowledge Base Articles with GPT & Perplexity AI for Contentful CMS
by Varritech
View template details
Get all the entries from Contentful
by Harshil Agrawal
View template details
Convert Markdown Content to Contentful Rich Text with AI Formatting
by Varritech
View template details
Browse Contentful integration templates
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search all templates
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ConvertKit node#

Integrations
Built-in nodes
Actions
ConvertKit node

Use the ConvertKit node to automate work in ConvertKit, and integrate ConvertKit with other applications. n8n has built-in support for a wide range of ConvertKit features, including creating and deleting custom fields, getting tags, and adding subscribers.
On this page, you'll find a list of operations the ConvertKit node supports and links to more resources.
Credentials
Refer to
ConvertKit credentials
for guidance on setting up authentication.
Operations

Custom Field
Create a field
Delete a field
Get all fields
Update a field

Form
Add a subscriber
Get all forms
List subscriptions to a form including subscriber data
Sequence
Add a subscriber
Get all sequences
Get all subscriptions to a sequence including subscriber data
Tag
Create a tag
Get all tags
Tag Subscriber
Add a tag to a subscriber
List subscriptions to a tag including subscriber data
Delete a tag from a subscriber
Templates and examples

Enrich lead captured by ConvertKit and save it in Hubspot
by Ricardo Espinozaas
View template details
Manage subscribers in ConvertKit
by Harshil Agrawal
View template details
Receive updates on a subscriber added in ConvertKit
by Harshil Agrawal
View template details
Browse ConvertKit integration templates
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Customer.io node#

Integrations
Built-in nodes
Actions
Customer.io node

Use the Customer.io node to automate work in Customer.io, and integrate Customer.io with other applications. n8n has built-in support for a wide range of Customer.io features, including creating and updating customers, tracking events, and getting campaigns.
On this page, you'll find a list of operations the Customer.io node supports and links to more resources.
Credentials
Refer to
Customer.io credentials
for guidance on setting up authentication.
Operations

Customer
Create/Update a customer.
Delete a customer.
Event
Track a customer event.
Track an anonymous event.
Campaign
Get
Get All
Get Metrics
Segment
Add Customer
Remove Customer
Templates and examples

Create a customer and add them to a segment in Customer.io
by Harshil Agrawal
View template details
Receive updates when a subscriber unsubscribes in Customer.io
by Harshil Agrawal
View template details
AI Agent Powered Marketing 🛠️ Customer.io Tool MCP Server 💪 all 9 operations
by David Ashby
View template details
Browse Customer.io integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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DeepL node#

Integrations
Built-in nodes
Actions
DeepL node

Use the DeepL node to automate work in DeepL, and integrate DeepL with other applications. n8n has built-in support for a wide range of DeepL features, including translating languages.
On this page, you'll find a list of operations the DeepL node supports and links to more resources.
Credentials
Refer to
DeepL credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Language
Translate data
Templates and examples

Translate PDF documents from Google drive folder with DeepL
by Milorad Filipovic

View template details
Translate cocktail instructions using DeepL
by Harshil Agrawal
View template details
Real-time Chat Translation with DeepL
by Ghufran Ridhawi
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What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Discord node#

Integrations
Built-in nodes
Actions
Discord
Discord node

Use the Discord node to automate work in Discord, and integrate Discord with other applications. n8n has built-in support for a wide range of Discord features, including sending messages in a Discord channel and managing channels.
On this page, you'll find a list of operations the Discord node supports and links to more resources.
Credentials
Refer to
Discord credentials

for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Channel
Create
Delete
Get
Get Many
Update
Message
Delete
Get
Get Many
React with Emoji
Send
Send and Wait for Response
Member
Get Many
Role Add
Role Remove
Waiting for a response

By choosing the
Send and Wait for a Response
operation, you can send a message and pause the workflow execution until a person confirms the action or provides more information.
Response Type

You can choose between the following types of waiting and approval actions:
Approval
: Users can approve or disapprove from within the message.
Free Text
: Users can submit a response with a form.
Custom Form
: Users can submit a response with a custom form.
You can customize the waiting and response behavior depending on which response type you choose. You can configure these options in any of the above response types:
Limit Wait Time
: Whether the workflow will automatically resume execution after a specified time limit. This can be an interval or a specific wall time.
Append n8n Attribution
: Whether to mention in the message that it was sent automatically with n8n (turned on) or not (turned off).
Approval response customization

When using the Approval response type, you can choose whether to present only an approval button or both approval
and
disapproval buttons.
You can also customize the button labels for the buttons you include.
Free Text response customization

When using the Free Text response type, you can customize the message button label, the form title and description, and the response button label.
Custom Form response customization

When using the Custom Form response type, you build a form using the fields and options you want.
You can customize each form element with the settings outlined in the
n8n Form trigger's form elements
. To add more fields, select the
Add Form Element
button.
You'll also be able to customize the message button label, the form title and description, and the response button label.
Templates and examples

Fully Automated AI Video Generation & Multi-Platform Publishing
by Juan Carlos Cavero Gracia
View template details
AI-Powered Short-Form Video Generator with OpenAI, Flux, Kling, and ElevenLabs
by Cameron Wills
View template details
Discord AI-powered bot
by Eduard
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Related resources

Refer to
Discord's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Common issues

For common errors or issues and suggested resolution steps, refer to
Common Issues
.
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Discourse node#

Integrations
Built-in nodes
Actions
Discourse node

Use the Discourse node to automate work in Discourse, and integrate Discourse with other applications. n8n has built-in support for a wide range of Discourse features, including creating, getting, updating, and removing categories, groups, posts, and users.
On this page, you'll find a list of operations the Discourse node supports and links to more resources.
Credentials
Refer to
Discourse credentials
for guidance on setting up authentication.
Operations

Category
Create a category
Get all categories

Update a category
Group
Create a group
Get a group
Get all groups
Update a group
Post
Create a post
Get a post
Get all posts
Update a post
User
Create a user
Get a user
Get all users
User Group
Create a user to group
Remove user from group
Templates and examples

Enrich new Discourse members with Clearbit then notify in Slack
by Max Tkacz
View template details
Create, update and get a post via Discourse
by Harshil Agrawal
View template details
🛠️ Discourse Tool MCP Server 💪 all 16 operations
by David Ashby
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search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
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Predefined Credential Type
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Select the service you want to connect to.
Select your credential.
Refer to

Custom API operations
for more information.
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.drip: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.drip

Dropbox node#

Integrations
Built-in nodes
Actions
Dropbox node

Use the Dropbox node to automate work in Dropbox, and integrate Dropbox with other applications. n8n has built-in support for a wide range of Dropbox features, including creating, downloading, moving, and copying files and folders.
On this page, you'll find a list of operations the Dropbox node supports and links to more resources.
Credentials
Refer to
Dropbox credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

File
Copy a file
Delete a file
Download a file
Move a file
Upload a file
Folder
Copy a folder
Create a folder
Delete a folder
Return the files and folders in a given folder
Move a folder
Search

Query
Templates and examples

Hacker News to Video Content
by Alex Kim
View template details
Nightly n8n backup to Dropbox
by Joey D’ Anna
View template details
Explore n8n Nodes in a Visual Reference Library
by I versus AI
View template details
Browse Dropbox integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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GitHub repo
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.elasticemail: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.elasticemail

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.emailoctopus: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.emailoctopus

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.eventbrite: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.eventbrite

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.evernote: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.evernote

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.facebook: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.facebook

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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.facebookmessenger: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.facebookmessenger

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.figma: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.figma

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.filezilla: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.filezilla

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.firebase: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.firebase

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshbooks: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshbooks

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshcaller: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshcaller

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshchat: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshchat

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshconnect: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.freshconnect

Freshdesk node#

Use the Freshdesk node to automate work in Freshdesk and integrate Freshdesk with other applications. n8n has built-in support for a wide range of Freshdesk features, including creating, updating, deleting, and getting contacts and tickets.
On this page, you'll find a list of operations the Freshdesk node supports and links to more resources.
Credentials
Refer to
Freshdesk credentials
for guidance on setting up authentication.
Operations

Contact
Create a new contact
Delete a contact

Get a contact
Get all contacts
Update a contact
Ticket
Create a new ticket
Delete a ticket
Get a ticket
Get all tickets
Update a ticket
Templates and examples

Create ticket on specific customer messages in Telegram
by tanaypant
View template details
Create a new Freshdesk ticket
by amudhan
View template details
Automate CSAT Surveys with Freshdesk & Store Responses in Google Sheets
by PollupAI
View template details
Browse Freshdesk integration templates
, or
search all templates
Was this page helpful?
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Freshservice node#

Integrations
Built-in nodes
Actions
Freshservice node

Use the Freshservice node to automate work in Freshservice and integrate Freshservice with other applications. n8n has built-in support for a wide range of Freshdesk features, including creating, updating, deleting, and getting agent information and departments.
On this page, you'll find a list of operations the Freshservice node supports and links to more resources.
Credentials
Refer to
Freshservice credentials
for guidance on setting up authentication.
Operations

Templates and examples

Browse Freshservice integration templates
, or
search all templates
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.gdrive: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.gdrive

GitHub node#

Integrations
Built-in nodes
Actions
GitHub node

Use the GitHub node to automate work in GitHub, and integrate GitHub with other applications. n8n has built-in support for a wide range of GitHub features, including creating, updating, deleting, and editing files, repositories, issues, releases, and users.
On this page, you'll find a list of operations the GitHub node supports and links to more resources.
Credentials
Refer to
GitHub credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

File
Create
Delete
Edit
Get
List
Issue
Create
Create Comment
Edit
Get
Lock
Organization
Get Repositories
Release
Create
Delete
Get
Get Many
Update
Repository

Get
Get Issues
Get License
Get Profile
Get Pull Requests
List Popular Paths
List Referrers
Review
Create
Get
Get Many
Update
User
Get Repositories
Invite
Workflow
Disable
Dispatch
Enable
Get
Get Usage
List
Templates and examples

Back Up Your n8n Workflows To Github
by Jonathan
View template details
Building RAG Chatbot for Movie Recommendations with Qdrant and Open AI
by Jenny
View template details
Chat with GitHub API Documentation: RAG-Powered Chatbot with Pinecone & OpenAI
by Mihai Farcas
View template details
Browse GitHub integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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GitLab node#

Integrations
Built-in nodes
Actions
GitLab node

Use the GitLab node to automate work in GitLab, and integrate GitLab with other applications. n8n has built-in support for a wide range of GitLab features, including creating, updating, deleting, and editing issues, repositories, releases and users.
On this page, you'll find a list of operations the GitLab node supports and links to more resources.
Credentials
Refer to
GitLab credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

File
Create
Delete
Edit
Get
List
Issue
Create a new issue
Create a new comment on an issue
Edit an issue
Get the data of a single issue
Lock an issue
Release
Create a new release

Delete a new release
Get a new release
Get all releases
Update a new release
Repository
Get the data of a single repository
Returns issues of a repository
User
Returns the repositories of a user
Templates and examples

ChatGPT Automatic Code Review in Gitlab MR
by assert
View template details
Save your workflows into a Gitlab repository
by Julien DEL RIO
View template details
Automate GitLab Merge Requests Using APIs with n8n
by Aditya Gaur
View template details
Browse GitLab integration templates
, or
search all templates
Related resources

Refer to
GitLab's documentation
for more information about the service.
n8n provides a trigger node for GitLab. You can find the trigger node docs
here
.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.

Refer to
Custom API operations
for more information.
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Gmail node#

Integrations
Built-in nodes
Actions
Gmail
Gmail node

Use the Gmail node to automate work in Gmail, and integrate Gmail with other applications. n8n has built-in support for a wide range of Gmail features, including creating, updating, deleting, and getting drafts, messages, labels, thread.
On this page, you'll find a list of operations the Gmail node supports and links to more resources.
Credentials
Refer to
Google credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Draft
Create
a draft
Delete
a draft
Get
a draft
Get Many
drafts
Label
Create
a label
Delete
a label
Get
a label
Get Many

labels
Message
Add Label
to a message
Delete
a message
Get
a message
Get Many
messages
Mark as Read
Mark as Unread
Remove Label
from a message
Reply
to a message
Send
a message
Thread
Add Label
to a thread
Delete
a thread
Get
a thread
Get Many
threads
Remove Label
from thread
Reply
to a message
Trash
a thread
Untrash
a thread
Templates and examples

✨🤖Automate Multi-Platform Social Media Content Creation with AI
by Joseph LePage
View template details
Automated Web Scraping: email a CSV, save to Google Sheets & Microsoft Excel
by Mihai Farcas
View template details
Suggest meeting slots using AI
by n8n Team
View template details
Browse Gmail integration templates
, or
search all templates
Related resources

Refer to Google's
Gmail API documentation
for detailed information about the API that this node integrates with.
n8n provides a trigger node for Gmail. You can find the trigger node docs
here
.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Common issues

For common errors or issues and suggested resolution steps, refer to
Common Issues
.
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Google Ads node#

Integrations
Built-in nodes
Actions
Google Ads node

Use the Google Ads node to automate work in Google Ads, and integrate Google Ads with other applications. n8n has built-in support for a wide range of Google Ads features, including getting campaigns.

On this page, you'll find a list of operations the Google Ads node supports and links to more resources.
Credentials
Refer to
Google Ads credentials
for guidance on setting up authentication.
Operations

Campaign
Get all campaigns
Get a campaign
Templates and examples

AI marketing report (Google Analytics & Ads, Meta Ads), sent via email/Telegram
by Friedemann Schuetz
View template details
Generating New Keywords and their Search Volumes using the Google Ads API
by Zacharia Kimotho
View template details
Get Meta Ads insights and save them into Google Sheets
by Solomon
View template details
Browse Google Ads integration templates
, or
search all templates
Related resources

Refer to
Google Ads' documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.

Refer to
Custom API operations
for more information.
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Google Analytics node#

Integrations
Built-in nodes
Actions
Google Analytics node

Use the Google Analytics node to automate work in Google Analytics, and integrate Google Analytics with other applications. n8n has built-in support for a wide range of Google Analytics features, including returning reports and user activities.
On this page, you'll find a list of operations the Google Analytics node supports and links to more resources.
Credentials
Refer to
Google Analytics credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Report
Get
User Activity
Search
Templates and examples

AI marketing report (Google Analytics & Ads, Meta Ads), sent via email/Telegram
by Friedemann Schuetz
View template details
Automate Google Analytics Reporting
by Alex Kim
View template details
Create a Google Analytics Data Report with AI and sent it to E-Mail and Telegram
by Friedemann Schuetz
View template details
Browse Google Analytics integration templates

, or
search all templates
Related resources

Refer to
Google Analytics' documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Google Calendar node#

Integrations
Built-in nodes
Actions
Google Calendar
Google Calendar node

Use the Google Calendar node to automate work in Google Calendar, and integrate Google Calendar with other applications. n8n has built-in support for a wide range of Google Calendar features, including adding, retrieving, deleting and updating calendar events.
On this page, you'll find a list of operations the Google Calendar node supports and links to more resources.
Credentials
Refer to
Google Calendar credentials
for guidance on setting up authentication.

This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Calendar
Availability
: If a time-slot is available in a calendar
Event
Create
: Add an event to calendar
Delete
: Delete an event
Get
: Retrieve an event
Get Many
: Retrieve all events from a calendar
Update
: Update an event
Templates and examples

AI Agent : Google calendar assistant using OpenAI
by Dataki
View template details
Build an MCP Server with Google Calendar and Custom Functions
by Solomon
View template details
Actioning Your Meeting Next Steps using Transcripts and AI
by Jimleuk
View template details
Browse Google Calendar integration templates
, or
search all templates
Related resources

n8n provides a trigger node for Google Calendar. You can find the trigger node docs
here
.
Refer to
Google Calendar's documentation
for more information about the service.
View
example workflows and related content
on n8n's website.

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GitHub repo
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Google Contacts node#

Integrations
Built-in nodes
Actions
Google Contacts node

Use the Google Contacts node to automate work in Google Contacts, and integrate Google Contacts with other applications. n8n has built-in support for a wide range of Google Contacts features, including creating, updating, retrieving, deleting, and getting contacts.
On this page, you'll find a list of operations the Google Contacts node supports and links to more resources.
Credentials
Refer to
Google Contacts credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Contact
Create a contact
Delete a contact
Get a contact
Retrieve all contacts
Update a contact
Templates and examples

Manage contacts in Google Contacts
by Harshil Agrawal
View template details
Daily Birthday Reminders from Google Contacts to Slack
by WeblineIndia
View template details
Enrich Google Sheet contacts with Dropcontact
by Pauline
View template details
Browse Google Contacts integration templates
, or

search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Google Drive node#

Integrations
Built-in nodes
Actions
Google Drive
Google Drive node

Use the Google Drive node to automate work in Google Drive, and integrate Google Drive with other applications. n8n has built-in support for a wide range of Google Drive features, including creating, updating, listing, deleting, and getting drives, files, and folders.
On this page, you'll find a list of operations the Google Drive node supports and links to more resources.
Credentials
Refer to
Google Drive credentials
for guidance on setting up authentication.
Operations

File
Copy
a file
Create from text

Delete
a file
Download
a file
Move
a file
Share
a file
Update
a file
Upload
a file
File/Folder
Search
files and folders
Folder
Create
a folder
Delete
a folder
Share
a folder
Shared Drive
Create
a shared drive
Delete
a shared drive
Get
a shared drive
Get Many
shared drives
Update
a shared drive
Templates and examples

Ask questions about a PDF using AI
by David Roberts
View template details
Fully Automated AI Video Generation & Multi-Platform Publishing
by Juan Carlos Cavero Gracia
View template details
Generate AI Videos with Google Veo3, Save to Google Drive and Upload to YouTube
by Davide
View template details
Browse Google Drive integration templates
, or
search all templates
Common issues

For common questions or issues and suggested solutions, refer to
Common issues
.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.googlemaps: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.googlemaps

Google Sheets#

Integrations
Built-in nodes
Actions
Google Sheets
Google Sheets

Use the Google Sheets node to automate work in Google Sheets, and integrate Google Sheets with other applications. n8n has built-in support for a wide range of Google Sheets features, including creating, updating, deleting, appending, removing and getting documents.
On this page, you'll find a list of operations the Google Sheets node supports and links to more resources.
Credentials
Refer to
Google Sheets credentials
for guidance on setting up authentication.
Operations

Document
Create
a spreadsheet.
Delete
a spreadsheet.
Sheet Within Document
Append or Update Row
: Append a new row, or update the current one if it already exists.
Append Row
: Create a new row.
Clear
all data from a sheet.
Create
a new sheet.
Delete
a sheet.
Delete Rows or Columns
: Delete columns and rows from a sheet.
Get Row(s)
: Read all rows in a sheet.
Update Row
: Update a row in a sheet.
Templates and examples

Scrape business emails from Google Maps without the use of any third party APIs
by Akram Kadri
View template details
Fully Automated AI Video Generation & Multi-Platform Publishing
by Juan Carlos Cavero Gracia
View template details
Generate AI Videos with Google Veo3, Save to Google Drive and Upload to YouTube
by Davide
View template details
Browse Google Sheets integration templates
, or
search all templates
Related resources

Refer to
Google Sheet's API documentation
for more information about the service.
Common issues

For common questions or issues and suggested solutions, refer to
Common issues
.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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GoToWebinar node#

Integrations
Built-in nodes
Actions
GoToWebinar node

Use the GoToWebinar node to automate work in GoToWebinar, and integrate GoToWebinar with other applications. n8n has built-in support for a wide range of GoToWebinar features, including creating, getting, and deleting attendees, organizers, and registrants.
On this page, you'll find a list of operations the GoToWebinar node supports and links to more resources.
Credentials
Refer to
GoToWebinar credentials
for guidance on setting up authentication.
Operations

Attendee
Get
Get All
Get Details
Co-Organizer
Create
Delete
Get All
Re-invite
Panelist
Create
Delete
Get All
Re-invite
Registrant
Create
Delete
Get
Get All
Session
Get
Get All
Get Details
Webinar
Create
Get
Get All
Update
Templates and examples

Browse GoToWebinar integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.

Refer to
Custom API operations
for more information.
Was this page helpful?
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Harvest node#

Integrations
Built-in nodes
Actions
Harvest node

Use the Harvest node to automate work in Harvest, and integrate Harvest with other applications. n8n has built-in support for a wide range of Harvest features, including creating, updating, deleting, and getting clients, contacts, invoices, tasks, expenses, users, and projects.
On this page, you'll find a list of operations the Harvest node supports and links to more resources.
Credentials
Refer to
Harvest credentials
for guidance on setting up authentication.
Operations

Client
Create a client
Delete a client
Get data of a client
Get data of all clients
Update a client
Company
Retrieves the company for the currently authenticated user
Contact
Create a contact
Delete a contact
Get data of a contact
Get data of all contacts
Update a contact
Estimate
Create an estimate
Delete an estimate
Get data of an estimate
Get data of all estimates

Update an estimate
Expense
Get data of an expense
Get data of all expenses
Create an expense
Update an expense
Delete an expense
Invoice
Get data of an invoice
Get data of all invoices
Create an invoice
Update an invoice
Delete an invoice
Project
Create a project
Delete a project
Get data of a project
Get data of all projects
Update a project
Task
Create a task
Delete a task
Get data of a task
Get data of all tasks
Update a task
Time Entries
Create a time entry using duration
Create a time entry using start and end time
Delete a time entry
Delete a time entry's external reference.
Get data of a time entry
Get data of all time entries
Restart a time entry
Stop a time entry
Update a time entry
User
Create a user
Delete a user
Get data of a user
Get data of all users
Get data of authenticated user
Update a user
Templates and examples

Automated Investor Intelligence: CrunchBase to Google Sheets Data Harvester
by Yaron Been
View template details
Process Shopify new orders with Zoho CRM and Harvest
by Lorena
View template details

Create a client in Harvest
by tanaypant
View template details
Browse Harvest integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

HubSpot node#

Integrations
Built-in nodes
Actions
HubSpot node

Use the HubSpot node to automate work in HubSpot, and integrate HubSpot with other applications. n8n has built-in support for a wide range of HubSpot features, including creating, updating, deleting, and getting contacts, deals, lists, engagements and companies.
On this page, you'll find a list of operations the HubSpot node supports and links to more resources.
Credentials
Refer to
HubSpot credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation

.
Operations

Contact
Create/Update a contact
Delete a contact
Get a contact
Get all contacts
Get recently created/updated contacts
Search contacts
Contact List
Add contact to a list
Remove a contact from a list
Company
Create a company
Delete a company
Get a company
Get all companies
Get recently created companies
Get recently modified companies
Search companies by domain
Update a company
Deal
Create a deal
Delete a deal
Get a deal
Get all deals
Get recently created deals
Get recently modified deals
Search deals
Update a deal
Engagement
Create an engagement
Delete an engagement
Get an engagement
Get all engagements
Form
Get all fields from a form
Submit data to a form
Ticket
Create a ticket
Delete a ticket
Get a ticket
Get all tickets
Update a ticket
Templates and examples

Real Estate Lead Generation with BatchData Skip Tracing & CRM Integration
by Preston Zeller
View template details
Create HubSpot contacts from LinkedIn post interactions
by Pauline
View template details
Update HubSpot when a new invoice is registered in Stripe
by Jonathan
View template details
Browse HubSpot integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.humanity: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.humanity

Intercom node#

Integrations
Built-in nodes
Actions
Intercom node

Use the Intercom node to automate work in Intercom, and integrate Intercom with other applications. n8n has built-in support for a wide range of Intercom features, including creating, updating, deleting, and getting companies, leads, and users.
On this page, you'll find a list of operations the Intercom node supports and links to more resources.

Credentials
Refer to
Intercom credentials
for guidance on setting up authentication.
Operations

Company
Create a new company
Get data of a company
Get data of all companies
Update a company
List company's users
Lead
Create a new lead
Delete a lead
Get data of a lead
Get data of all leads
Update new lead
User
Create a new user
Delete a user
Get data of a user
Get data of all users
Update a user
Templates and examples

Enrich new Intercom users with contact details and more from ExactBuyer
by Mutasem
View template details
Create a new user in Intercom
by tanaypant
View template details
Autonomous Customizable Support Chatbot on Intercom + Discord Thread Reports
by Theo Marcadet
View template details
Browse Intercom integration templates
, or
search all templates
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Jira Software node#

Integrations
Built-in nodes

Actions
Jira Software node

Use the Jira Software node to automate work in Jira, and integrate Jira with other applications. n8n has built-in support for a wide range of Jira features, including creating, updating, deleting, and getting issues, and users.
On this page, you'll find a list of operations the Jira Software node supports and links to more resources.
Credentials
Refer to
Jira credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Issue
Get issue changelog
Create a new issue
Delete an issue
Get an issue
Get all issues
Create an email notification for an issue and add it to the mail queue
Return either all transitions or a transition that can be performed by the user on an issue, based on the issue's status
Update an issue
Issue Attachment
Add attachment to issue
Get an attachment
Get all attachments
Remove an attachment
Issue Comment
Add comment to issue
Get a comment
Get all comments
Remove a comment
Update a comment
User
Create a new user.
Delete a user.
Retrieve a user.
Templates and examples

Automate Customer Support Issue Resolution using AI Text Classifier
by Jimleuk
View template details

Create a new issue in Jira
by tanaypant
View template details
Analyze & Sort Suspicious Email Contents with ChatGPT
by Angel Menendez
View template details
Browse Jira Software integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Related resources

Refer to the
official JQL documentation
about Jira Query Language (JQL) to learn more about it.
Fetch issues for a specific project

The
Get All
operation returns all the issues from Jira. To fetch issues for a particular project, you need to use Jira Query Language (JQL).
For example, if you want to receive all the issues of a project named
n8n
, you'd do something like this:
Select
Get All
from the
Operation
dropdown list.
Toggle

Return All
to true.
Select
Add Option
and select
JQL
.
Enter
project=n8n
in the
JQL
field.
This query will fetch all the issues in the project named
n8n
. Enter the name of your project instead of
n8n
to fetch all the issues for your project.
Was this page helpful?
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Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Keap node#

Integrations
Built-in nodes
Actions
Keap node

Use the Keap node to automate work in Keap, and integrate Keap with other applications. n8n has built-in support for a wide range of Keap features, including creating, updating, deleting, and getting companies, products, ecommerce orders, emails, and files.
On this page, you'll find a list of operations the Keap node supports and links to more resources.
Credentials
Refer to
Keap credentials
for guidance on setting up authentication.
Operations

Company
Create a company
Retrieve all companies
Contact
Create/update a contact
Delete an contact
Retrieve an contact
Retrieve all contacts
Contact Note

Create a note
Delete a note
Get a notes
Retrieve all notes
Update a note
Contact Tag
Add a list of tags to a contact
Delete a contact's tag
Retrieve all contact's tags
Ecommerce Order
Create an ecommerce order
Get an ecommerce order
Delete an ecommerce order
Retrieve all ecommerce orders
Ecommerce Product
Create an ecommerce product
Delete an ecommerce product
Get an ecommerce product
Retrieve all ecommerce product
Email
Create a record of an email sent to a contact
Retrieve all sent emails
Send Email
File
Delete a file
Retrieve all files
Upload a file
Templates and examples

Verify mailing address deliverability of contacts in Keap/Infusionsoft Using Lob
by Belmont Digital
View template details
Receive updates when a new contact is added in Keap
by amudhan
View template details
Get all contacts from Keap
by amudhan
View template details
Browse Keap integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:

In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

LinkedIn node#

Integrations
Built-in nodes
Actions
LinkedIn node

Use the LinkedIn node to automate work in LinkedIn, and integrate LinkedIn with other applications. n8n supports creating posts.
On this page, you'll find a list of operations the LinkedIn node supports and links to more resources.
Credentials
Refer to
LinkedIn credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Post
Create
Parameters

Post As
: choose whether to post as a
Person
or

Organization
.
Person Name or ID
and
Organization URN
: enter an identifier for the person or organization.
Posting as organization
If posting as an Organization enter the organization number in the URN field. For example,
03262013
not
urn:li:company:03262013
.
Text
: the post contents.
Media Category
: use this when including images or article URLs in your post.
Templates and examples

✨🤖Automate Multi-Platform Social Media Content Creation with AI
by Joseph LePage
View template details
AI-Powered Social Media Content Generator & Publisher
by Amjid Ali
View template details
✨🩷Automated Social Media Content Publishing Factory + System Prompt Composition
by Joseph LePage
View template details
Browse LinkedIn integration templates
, or
search all templates
Related resources

Refer to
LinkedIn's API documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Mailchimp node#

Integrations
Built-in nodes
Actions
Mailchimp node

Use the Mailchimp node to automate work in Mailchimp, and integrate Mailchimp with other applications. n8n has built-in support for a wide range of Mailchimp features, including creating, updating, and deleting campaigns, as well as getting list groups.
On this page, you'll find a list of operations the Mailchimp node supports and links to more resources.
Credentials
Refer to
Mailchimp credentials
for guidance on setting up authentication.
Operations

Campaign
Delete a campaign
Get a campaign
Get all the campaigns
Replicate a campaign
Creates a Resend to Non-Openers version of this campaign
Send a campaign
List Group
Get all groups
Member
Create a new member on list
Delete a member on list
Get a member on list
Get all members on list
Update a new member on list
Member Tag
Add tags from a list member
Remove tags from a list member
Templates and examples

Process Shopify new orders with Zoho CRM and Harvest
by Lorena
View template details
Add new contacts from HubSpot to the email list in Mailchimp
by n8n Team
View template details
Send or update new Mailchimp subscribers in HubSpot
by n8n Team
View template details
Browse Mailchimp integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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GitHub repo
.

MailerLite node#

Integrations
Built-in nodes
Actions
MailerLite node

Use the MailerLite node to automate work in MailerLite, and integrate MailerLite with other applications. n8n has built-in support for a wide range of MailerLite features, including creating, updating, deleting, and getting subscribers.
On this page, you'll find a list of operations the MailerLite node supports and links to more resources.

Credentials
Refer to
MailerLite credentials
for guidance on setting up authentication.
Operations

Subscriber
Create a new subscriber
Get an subscriber
Get all subscribers
Update an subscriber
Templates and examples

Create, update and get a subscriber using the MailerLite node
by Harshil Agrawal
View template details
Receive updates when a subscriber is added to a group in MailerLite
by Harshil Agrawal
View template details
Capture Gumroad sales, add buyer to MailerLite group, log to Google Sheets CRM
by Aitor | 1Node
View template details
Browse MailerLite integration templates
, or
search all templates
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Mailgun node#

Integrations
Built-in nodes
Actions
Mailgun node

Use the Mailgun node to automate work in Mailgun, and integrate Mailgun with other applications. n8n has built-in support for sending emails with Mailgun.
On this page, you'll find a list of operations the Mailgun node supports and links to more resources.
Credentials
Refer to
Mailgun credentials
for guidance on setting up authentication.
This node can be used as an AI tool

This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Send an email
Templates and examples

Handle errors from a different workflow
by Jan Oberhauser
View template details
Report phishing websites to Steam and CloudFlare
by chaufnet
View template details
AI Agent Creates Content to Be Picked by ChatGPT, Gemini, Google
by Kritika
View template details
Browse Mailgun integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Mattermost node#

Integrations
Built-in nodes
Actions
Mattermost node

Use the Mattermost node to automate work in Mattermost, and integrate Mattermost with other applications. n8n has built-in support for a wide range of Mattermost features, including creating, deleting, and getting channels, and users, as well as posting messages, and adding reactions.
On this page, you'll find a list of operations the Mattermost node supports and links to more resources.
Credentials
Refer to
Mattermost credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Channel
Add a user to a channel
Create a new channel
Soft delete a channel
Get a page of members for a channel
Restores a soft deleted channel
Search for a channel
Get statistics for a channel
Message
Soft delete a post, by marking the post as deleted in the database
Post a message into a channel
Post an ephemeral message into a channel
Reaction
Add a reaction to a post.
Remove a reaction from a post
Get all the reactions to one or more posts
User
Create a new user
Deactivates the user and revokes all its sessions by archiving its user object.
Retrieve all users
Get a user by email
Get a user by ID
Invite user to team
Templates and examples

Standup bot (4/4): Worker
by Jonathan
View template details
Receive a Mattermost message when a user updates their profile on Facebook
by Harshil Agrawal
View template details
Send Instagram statistics to Mattermost
by damien
View template details
Browse Mattermost integration templates
, or
search all templates
Related resources

Refer to
Mattermost's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Channel ID field error

If you're not the System Administrator, you might get an error:
there was a problem loading the parameter options from server: "Mattermost error response: You do not have the appropriate permissions.
next to the
Channel ID
field.
Ask your system administrator to grant you the
post:channel

permission.
Find the channel ID

To find the channel ID in Mattermost:
Select the channel from the left sidebar.
Select the channel name at the top.
Select
View Info
.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.microsoftdynamics365crm: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.microsoftdynamics365crm

Microsoft Excel 365 node#

Integrations
Built-in nodes
Actions
Microsoft Excel 365 node

Use the Microsoft Excel node to automate work in Microsoft Excel, and integrate Microsoft Excel with other applications. n8n has built-in support for a wide range of Microsoft Excel features, including adding and retrieving lists of table data, and workbooks, as well as getting worksheets.
On this page, you'll find a list of operations the Microsoft Excel node supports and links to more resources.
Credentials
Refer to
Microsoft credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Table
Adds rows to the end of the table
Retrieve a list of table columns
Retrieve a list of table rows
Looks for a specific column value and then returns the matching row
Workbook

Adds a new worksheet to the workbook.
Get data of all workbooks
Worksheet
Get all worksheets
Get worksheet content
Templates and examples

Automated Web Scraping: email a CSV, save to Google Sheets & Microsoft Excel
by Mihai Farcas
View template details
Get all Excel workbooks
by amudhan
View template details
Daily Newsletter Service using Excel, Outlook and AI
by Jimleuk
View template details
Browse Microsoft Excel 365 integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Microsoft OneDrive node#

Integrations
Built-in nodes

Actions
Microsoft OneDrive node

Use the Microsoft OneDrive node to automate work in Microsoft OneDrive, and integrate Microsoft OneDrive with other applications. n8n has built-in support for a wide range of Microsoft OneDrive features, including creating, updating, deleting, and getting files, and folders.
On this page, you'll find a list of operations the Microsoft OneDrive node supports and links to more resources.
Credentials
Refer to
Microsoft credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

File
Copy a file
Delete a file
Download a file
Get a file
Rename a file
Search a file
Share a file
Upload a file up to 4MB in size
Folder
Create a folder
Delete a folder
Get Children (get items inside a folder)
Rename a folder
Search a folder
Share a folder
Templates and examples

Hacker News to Video Content
by Alex Kim
View template details
Working with Excel spreadsheet files (xls & xlsx)
by n8n Team
View template details
📂 Automatically Update Stock Portfolio from OneDrive to Excel
by Louis
View template details
Browse Microsoft OneDrive integration templates
, or

search all templates
Related resources

Refer to
Microsoft's OneDrive API documentation
for more information about the service.
Find the folder ID

To perform operations on folders, you need to supply the ID. You can find this:
In the URL of the folder
By searching for it using the node. You need to do this if using MS 365 (where OneDrive uses SharePoint behind the scenes):
Select
Resource

Folder
.
Select
Operation

Search
.
In
Query
, enter the folder name.
Select
Execute step
. n8n runs the query and returns data about the folder, including an
id
field containing the folder ID.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Microsoft Outlook node#

Integrations
Built-in nodes
Actions
Microsoft Outlook node

Use the Microsoft Outlook node to automate work in Microsoft Outlook, and integrate Microsoft Outlook with other applications. n8n has built-in support for a wide range of Microsoft Outlook features, including creating, updating, deleting, and getting folders, messages, and drafts.
On this page, you'll find a list of operations the Microsoft Outlook node supports and links to more resources.
Credentials
Refer to
Microsoft credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Calendar
Create
Delete
Get
Get Many
Update
Contact
Create
Delete
Get
Get Many
Update
Draft
Create
Delete
Get
Send
Update
Event
Create
Delete
Get
Get Many
Update
Folder
Create
Delete
Get
Get Many
Update
Folder Message
Get Many
Message
Delete
Get

Get Many
Move
Reply
Send
Send and Wait for Response
Update
Message Attachment
Add
Download
Get
Get Many
Waiting for a response

By choosing the
Send and Wait for a Response
operation, you can send a message and pause the workflow execution until a person confirms the action or provides more information.
Response Type

You can choose between the following types of waiting and approval actions:
Approval
: Users can approve or disapprove from within the message.
Free Text
: Users can submit a response with a form.
Custom Form
: Users can submit a response with a custom form.
You can customize the waiting and response behavior depending on which response type you choose. You can configure these options in any of the above response types:
Limit Wait Time
: Whether the workflow will automatically resume execution after a specified time limit. This can be an interval or a specific wall time.
Append n8n Attribution
: Whether to mention in the message that it was sent automatically with n8n (turned on) or not (turned off).
Approval response customization

When using the Approval response type, you can choose whether to present only an approval button or both approval
and
disapproval buttons.
You can also customize the button labels for the buttons you include.
Free Text response customization

When using the Free Text response type, you can customize the message button label, the form title and description, and the response button label.
Custom Form response customization

When using the Custom Form response type, you build a form using the fields and options you want.
You can customize each form element with the settings outlined in the
n8n Form trigger's form elements
. To add more fields, select the
Add Form Element
button.
You'll also be able to customize the message button label, the form title and description, and the response button label.
Templates and examples

Create a Branded AI-Powered Website Chatbot
by Wayne Simpson
View template details
Auto Categorise Outlook Emails with AI
by Wayne Simpson
View template details
Phishing Analysis - URLScan.io and VirusTotal
by n8n Team
View template details
Browse Microsoft Outlook integration templates
, or
search all templates
Related resources

Refer to
Outlook's API documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.

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Microsoft SharePoint node#

Integrations
Built-in nodes
Actions
Microsoft SharePoint node

Use the Microsoft SharePoint node to automate work in Microsoft SharePoint and integrate Microsoft SharePoint with other applications. n8n has built-in support for a wide range of Microsoft SharePoint features, which includes downloading, uploading, and updating files, managing items in a list, and getting lists and list items.

On this page, you'll find a list of operations the Microsoft SharePoint node supports, and links to more resources.

Credentials

You can find authentication information for this node
here
.

Operations

File
:
Download: Download a file.
Update: Update a file.
Upload: Upload an existing file.
Item
:
Create: Create an item in an existing list.
Create or Update: Create a new item, or update the current one if it already exists (upsert).
Delete: Delete an item from a list.
Get: Retrieve an item from a list.
Get Many: Get specific items in a list or list many items.
Update: Update an item in an existing list.
List
:
Get: Retrieve details of a single list.
Get Many: Retrieve a list of lists.

Templates and examples

Browse Microsoft SharePoint integration templates
, or
search all templates

Related resources

Refer to
Microsoft's SharePoint documentation
for more information about the service.
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Microsoft SQL node#

Integrations
Built-in nodes
Actions
Microsoft SQL node

Use the Microsoft SQL node to automate work in Microsoft SQL, and integrate Microsoft SQL with other applications. n8n has built-in support for a wide range of Microsoft SQL features, including executing SQL queries, and inserting rows into the database.
On this page, you'll find a list of operations the Microsoft SQL node supports and links to more resources.
Credentials
Refer to
Microsoft SQL credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Execute an SQL query
Insert rows in database
Update rows in database
Delete rows in database
Templates and examples

Generate Monthly Financial Reports with Gemini AI, SQL, and Outlook
by Amjid Ali
View template details
Execute an SQL query in Microsoft SQL
by tanaypant
View template details
Export SQL table into CSV file

by Eduard
View template details
Browse Microsoft SQL integration templates
, or
search all templates
Was this page helpful?
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.

Microsoft Teams node#

Integrations
Built-in nodes
Actions
Microsoft Teams node

Use the Microsoft Teams node to automate work in Microsoft Teams, and integrate Microsoft Teams with other applications. n8n has built-in support for a wide range of Microsoft Teams features, including creating and deleting, channels, messages, and tasks.
On this page, you'll find a list of operations the Microsoft Teams node supports and links to more resources.
Credentials
Refer to
Microsoft credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Channel
Create
Delete
Get
Get Many
Update
Channel Message
Create
Get Many
Chat Message
Create
Get
Get Many
Send and Wait for Response
Task
Create

Delete
Get
Get Many
Update
Waiting for a response

By choosing the
Send and Wait for a Response
operation, you can send a message and pause the workflow execution until a person confirms the action or provides more information.
Response Type

You can choose between the following types of waiting and approval actions:
Approval
: Users can approve or disapprove from within the message.
Free Text
: Users can submit a response with a form.
Custom Form
: Users can submit a response with a custom form.
You can customize the waiting and response behavior depending on which response type you choose. You can configure these options in any of the above response types:
Limit Wait Time
: Whether the workflow will automatically resume execution after a specified time limit. This can be an interval or a specific wall time.
Append n8n Attribution
: Whether to mention in the message that it was sent automatically with n8n (turned on) or not (turned off).
Approval response customization

When using the Approval response type, you can choose whether to present only an approval button or both approval
and
disapproval buttons.
You can also customize the button labels for the buttons you include.
Free Text response customization

When using the Free Text response type, you can customize the message button label, the form title and description, and the response button label.
Custom Form response customization

When using the Custom Form response type, you build a form using the fields and options you want.
You can customize each form element with the settings outlined in the
n8n Form trigger's form elements
. To add more fields, select the
Add Form Element
button.

You'll also be able to customize the message button label, the form title and description, and the response button label.
Templates and examples

Create, update and send a message to a channel in Microsoft Teams
by amudhan
View template details
Meraki Packet Loss and Latency Alerts to Microsoft Teams
by Gavin
View template details
Create Teams Notifications for new Tickets in ConnectWise with Redis
by Gavin
View template details
Browse Microsoft Teams integration templates
, or
search all templates
Related resources

Refer to
Microsoft Teams' API documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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.

monday.com node#

monday.com node

Use the monday.com node to automate work in monday.com, and integrate monday.com with other applications. n8n has built-in support for a wide range of monday.com features, including creating a new board, and adding, deleting, and getting items on the board.

On this page, you'll find a list of operations the monday.com node supports and links to more resources.

Minimum required version

This node requires n8n version 1.22.6 or above.

Credentials

Refer to
monday.com credentials
for guidance on setting up authentication.

This node can be used as an AI tool

This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.

Operations

- Board
  - Archive a board
  - Create a new board
  - Get a board
  - Get all boards
- Board Column
  - Create a new column
  - Get all columns
- Board Group
  - Delete a group in a board
  - Create a group in a board
  - Get list of groups in a board
- Board Item
  - Add an update to an item.
  - Change a column value for a board item
  - Change multiple column values for a board item
  - Create an item in a board's group
  - Delete an item
  - Get an item
  - Get all items
  - Get items by column value
  - Move item to group

Templates and examples

Create ticket on specific customer messages in Telegram
by tanaypant
View template details
Microsoft Outlook AI Email Assistant with contact support from Monday and Airtable
by Cognitive Creators
View template details
Retrieve a Monday.com row and all data in a single node
by Joey D’ Anna
View template details
Browse monday.com integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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MongoDB node#

Integrations
Built-in nodes
Actions
MongoDB node

Use the MongoDB node to automate work in MongoDB, and integrate MongoDB with other applications. n8n has built-in support for a wide range of MongoDB features, including aggregating, updating, finding, deleting, and getting documents.
On this page, you'll find a list of operations the MongoDB node supports and links to more resources.
Credentials
Refer to

MongoDB credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Aggregate documents
Delete documents
Find documents
Find and replace documents
Find and update documents
Insert documents
Update documents
Templates and examples

Scrape and store data from multiple website pages
by Miquel Colomer
View template details
AI-Powered WhatsApp Chatbot for Text, Voice, Images, and PDF with RAG
by NovaNode
View template details
Insert a document in MongoDB
by amudhan
View template details
Browse MongoDB integration templates
, or
search all templates
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MSG91 node#

Integrations
Built-in nodes
Actions
MSG91 node

Use the MSG91 node to automate work in MSG91, and integrate MSG91 with other applications. n8n supports sending SMS with MSG91.
On this page, you'll find a list of operations the MSG91 node supports and links to more resources.
Credentials
Refer to
MSG91 credentials
for guidance on setting up authentication.
Operations

SMS
Send SMS
Templates and examples

Browse MSG91 integration templates
, or
search all templates
Find your Sender ID

Log in to your MSG91 dashboard.
Select
Sender Id
in the left panel.
If you don't already have one, select
Add Sender Id +
, fill in the details, and select
Save Sender Id
.
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MySQL node#

Integrations
Built-in nodes
Actions
MySQL
MySQL node

Use the MySQL node to automate work in MySQL, and integrate MySQL with other applications. n8n has built-in support for a wide range of MySQL features, including executing an SQL query, as well as inserting, and updating rows in a database.
On this page, you'll find a list of operations the MySQL node supports and links to more resources.
Credentials

Refer to
MySQL credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Delete
Execute SQL
Insert
Insert or Update
Select
Update
Templates and examples

Generate SQL queries from schema only - AI-powered
by Yulia
View template details
Import CSV into MySQL
by Eduard
View template details
Generate Monthly Financial Reports with Gemini AI, SQL, and Outlook
by Amjid Ali
View template details
Browse MySQL integration templates
, or
search all templates
Related resources

Refer to
MySQL's Connectors and APIs documentation
for more information about the service.
Refer to MySQL's
SELECT statement documentation
for more information on writing SQL queries.
Use query parameters

When creating a query to run on a MySQL database, you can use the Query Parameters

field in the
Options
section to load data into the query. n8n sanitizes data in query parameters, which prevents SQL injection.

For example, you want to find a person by their email address. Given the following input data:

```
[
{
"email": "alex@example.com",
"name": "Alex",
"age": 21
},
{
```

"email"
:
"jamie@example.com"
,
"name"
:
"Jamie"
,
"age"
:
33
}
]
You can write a query like:
1
SELECT
*
FROM
$
1
:
name
WHERE
email

2
;
Then in
Query Parameters
, provide the field values to use. You can provide fixed values or expressions. For this example, use expressions so the node can pull the email address from each input item in turn:
1
2
// users is an example table name
users
,
{{
json
.

email
}}
Common issues

For common errors or issues and suggested resolution steps, refer to
Common issues
.
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Notion node#

Integrations
Built-in nodes
Actions
Notion
Notion node

Use the Notion node to automate work in Notion, and integrate Notion with other applications. n8n has built-in support for a wide range of Notion features, including getting and searching databases, creating pages, and getting users.
On this page, you'll find a list of operations the Notion node supports and links to more resources.
Credentials
Refer to
Notion credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Block
Append After
Get Child Blocks
Database
Get
Get Many
Search
Database Page
Create
Get
Get Many

Update
Page
Archive
Create
Search
User
Get
Get Many
Templates and examples

Transcribe Audio Files, Summarize with GPT-4, and Store in Notion
by Pat
View template details
Host Your Own AI Deep Research Agent with n8n, Apify and OpenAI o3
by Jimleuk
View template details
Notion AI Assistant Generator
by Max Tkacz
View template details
Browse Notion integration templates
, or
search all templates
Related resources

n8n provides an app node for Notion. You can find the trigger node docs
here
.
Refer to
Notion's documentation
for details about their API.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to

Custom API operations
for more information.
Common issues

For common errors or issues and suggested resolution steps, refer to
Common issues
.
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PagerDuty node#

Integrations
Built-in nodes
Actions
PagerDuty node

Use the PagerDuty node to automate work in PagerDuty, and integrate PagerDuty with other applications. n8n has built-in support for a wide range of PagerDuty features, including creating incident notes, as well as updating, and getting all log entries and users.
On this page, you'll find a list of operations the PagerDuty node supports and links to more resources.
Credentials
Refer to
PagerDuty credentials
for guidance on setting up authentication.
Operations

Incident
Create an incident
Get an incident
Get all incidents
Update an incident
Incident Note
Create an incident note
Get all incident's notes
Log Entry
Get a log entry
Get all log entries

User
Get a user
Templates and examples

Manage custom incident response in PagerDuty and Jira
by tanaypant
View template details
Incident Response Workflow - Part 3
by tanaypant
View template details
Incident Response Workflow - Part 2
by tanaypant
View template details
Browse PagerDuty integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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PayPal node#

Integrations
Built-in nodes
Actions
PayPal node

Use the PayPal node to automate work in PayPal, and integrate PayPal with other applications. n8n has built-in support for a wide range of PayPal features, including creating a batch payout and canceling unclaimed payout items.
On this page, you'll find a list of operations the PayPal node supports and links to more resources.
Credentials
Refer to
PayPal credentials
for guidance on setting up authentication.
Operations

Payout
Create a batch payout
Show batch payout details
Payout Item
Cancels an unclaimed payout item
Show payout item details
Templates and examples

Create a PayPal batch payout
by ivov
View template details
Receive updates when a billing plan is activated in PayPal
by Harshil Agrawal
View template details
Automate Digital Delivery After PayPal Purchase Using n8n
by Amjid Ali
View template details
Browse PayPal integration templates
, or
search all templates
Was this page helpful?
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Pipedrive node#

Integrations
Built-in nodes
Actions
Pipedrive node

Use the Pipedrive node to automate work in Pipedrive, and integrate Pipedrive with other applications. n8n has built-in support for a wide range of Pipedrive features, including creating, updating, deleting, and getting activity, files, notes, organizations, and leads.
On this page, you'll find a list of operations the Pipedrive node supports and links to more resources.
Credentials
Refer to
Pipedrive credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Activity
Create an activity
Delete an activity
Get data of an activity
Get data of all activities
Update an activity
Deal
Create a deal
Delete a deal
Duplicate a deal
Get data of a deal
Get data of all deals
Search a deal
Update a deal
Deal Activity
Get all activities of a deal
Deal Product
Add a product to a deal
Get all products in a deal
Remove a product from a deal
Update a product in a deal
File
Create a file
Delete a file
Download a file
Get data of a file
Lead
Create a lead
Delete a lead
Get data of a lead
Get data of all leads
Update a lead
Note
Create a note
Delete a note
Get data of a note

Get data of all notes
Update a note
Organization
Create an organization
Delete an organization
Get data of an organization
Get data of all organizations
Update an organization
Search organizations
Person
Create a person
Delete a person
Get data of a person
Get data of all persons
Search all persons
Update a person
Product
Get data of all products
Templates and examples

Two way sync Pipedrive and MySQL
by n8n Team
View template details
Upload leads from a CSV file to Pipedrive CRM
by n8n Team
View template details
Enrich new leads in Pipedrive and send an alert to Slack for high-quality ones
by Niklas Hatje
View template details
Browse Pipedrive integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to

Custom API operations
for more information.
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.postmark: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.postmark

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QuickBooks Online node#

Integrations
Built-in nodes
Actions
QuickBooks Online node

Use the QuickBooks node to automate work in QuickBooks, and integrate QuickBooks with other applications. n8n has built-in support for a wide range of QuickBooks features, including creating, updating, deleting, and getting bills, customers, employees, estimates, and invoices.
On this page, you'll find a list of operations the QuickBooks node supports and links to more resources.
Credentials
Refer to
QuickBooks credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Bill
Create
Delete
Get
Get All
Update
Customer

Create
Get
Get All
Update
Employee
Create
Get
Get All
Update
Estimate
Create
Delete
Get
Get All
Send
Update
Invoice
Create
Delete
Get
Get All
Send
Update
Void
Item
Get
Get All
Payment
Create
Delete
Get
Get All
Send
Update
Void
Purchase
Get
Get All
Transaction
Get Report
Vendor
Create
Get
Get All
Update
Templates and examples

Create a customer and send the invoice automatically
by Harshil Agrawal
View template details

Create QuickBooks Online Customers With Sales Receipts For New Stripe Payments
by Artur
View template details
Create a QuickBooks invoice on a new Onfleet Task creation
by James Li
View template details
Browse QuickBooks Online integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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RabbitMQ node#

Integrations
Built-in nodes
Actions
RabbitMQ node

Use the RabbitMQ node to automate work in RabbitMQ, and integrate RabbitMQ with other applications. n8n has built-in support for a wide range of RabbitMQ features, including accepting, and forwarding messages.
On this page, you'll find a list of operations the RabbitMQ node supports and links to more resources.
Credentials
Refer to
RabbitMQ credentials
for guidance on setting up authentication.
This node can be used as an AI tool

This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Delete From Queue
Send a Message to RabbitMQ
Templates and examples

Browse RabbitMQ integration templates
, or
search all templates
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Salesforce node#

Integrations
Built-in nodes
Actions
Salesforce node

Use the Salesforce node to automate work in Salesforce, and integrate Salesforce with other applications. n8n has built-in support for a wide range of Salesforce features, including creating, updating, deleting, and getting accounts, attachments, cases, and leads, as well as uploading documents.
On this page, you'll find a list of operations the Salesforce node supports and links to more resources.
Credentials
Refer to
Salesforce credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Account
Add note to an account
Create an account
Create a new account, or update the current one if it already exists (upsert)
Get an account
Get all accounts
Returns an overview of account's metadata.
Delete an account
Update an account
Attachment
Create a attachment
Delete a attachment
Get a attachment
Get all attachments
Returns an overview of attachment's metadata.
Update a attachment
Case
Add a comment to a case
Create a case
Get a case
Get all cases
Returns an overview of case's metadata
Delete a case
Update a case
Contact
Add lead to a campaign
Add note to a contact
Create a contact
Create a new contact, or update the current one if it already exists (upsert)
Delete a contact
Get a contact
Returns an overview of contact's metadata
Get all contacts
Update a contact
Custom Object
Create a custom object record
Create a new record, or update the current one if it already exists (upsert)
Get a custom object record
Get all custom object records
Delete a custom object record
Update a custom object record
Document
Upload a document
Flow
Get all flows
Invoke a flow
Lead
Add lead to a campaign
Add note to a lead

Create a lead
Create a new lead, or update the current one if it already exists (upsert)
Delete a lead
Get a lead
Get all leads
Returns an overview of Lead's metadata
Update a lead
Opportunity
Add note to an opportunity
Create an opportunity
Create a new opportunity, or update the current one if it already exists (upsert)
Delete an opportunity
Get an opportunity
Get all opportunities
Returns an overview of opportunity's metadata
Update an opportunity
Search
Execute a SOQL query that returns all the results in a single response
Task
Create a task
Delete a task
Get a task
Get all tasks
Returns an overview of task's metadata
Update a task
User
Get a user
Get all users
Templates and examples

Create and update lead in Salesforce
by amudhan
View template details
Create Salesforce accounts based on Google Sheets data
by Tom
View template details
Create Salesforce accounts based on Excel 365 data
by Tom
View template details
Browse Salesforce integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:

In the HTTP Request node, select
Authentication

|

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Working with Salesforce custom fields

To add custom fields to your request:
Select
Additional Fields

|

Add Field
.
In the dropdown, select
Custom Fields
.
You can then find and add your custom fields.
Was this page helpful?
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GitHub repo
.

SendGrid node#

Integrations
Built-in nodes
Actions
SendGrid node

Use the SendGrid node to automate work in SendGrid, and integrate SendGrid with other applications. n8n has built-in support for a wide range of SendGrid features, including creating, updating, deleting, and getting contacts, and lists, as well as sending emails.
On this page, you'll find a list of operations the SendGrid node supports and links to more resources.
Credentials
Refer to
SendGrid credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the

AI tool parameters documentation
.
Operations

Contact
Create/update a contact
Delete a contact
Get a contact by ID
Get all contacts
List
Create a list
Delete a list
Get a list
Get all lists
Update a list
Mail
Send an email.
Templates and examples

Track investments using Baserow and n8n
by Tom
View template details
Automated Email Optin Form with n8n and Hunter io for verification
by Keith Rumjahn
View template details
Add contacts to SendGrid automatically
by Harshil Agrawal
View template details
Browse SendGrid integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.

Refer to
Custom API operations
for more information.
Was this page helpful?
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GitHub repo
.

Brevo node#

Integrations
Built-in nodes
Actions
Brevo node

Use the Brevo node to automate work in Brevo, and integrate Brevo with other applications. n8n has built-in support for a wide range of Brevo features, including creating, updating, deleting, and getting contacts, attributes, as well as sending emails.
On this page, you'll find a list of operations the Brevo node supports and links to more resources.
Credentials
Refer to
Brevo credentials
for guidance on setting up authentication.
Operations

Contact
Create
Create or Update
Delete
Get
Get All
Update
Contact Attribute
Create
Delete
Get All
Update
Email
Send
Send Template
Sender
Create
Delete
Get All
Templates and examples

Smart Email Auto-Responder Template using AI
by Amjid Ali
View template details
Create Leads in SuiteCRM, synchronize with Brevo and notify in NextCloud
by algopi.io
View template details
Automate B2B Lead Generation with Apollo, GPT-4o Scoring, and Brevo Email Outreach
by Luka Zivkovic
View template details
Browse Brevo integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.sftp: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.sftp

Shopify node#

Integrations
Built-in nodes
Actions
Shopify node

Use the Shopify node to automate work in Shopify, and integrate Shopify with other applications. n8n has built-in support for a wide range of Shopify features, including creating, updating, deleting, and getting orders and products.
On this page, you'll find a list of operations the Shopify node supports and links to more resources.

Credentials
Refer to
Shopify credentials
for guidance on setting up authentication.
Operations

Order
Create an order
Delete an order
Get an order
Get all orders
Update an order
Product
Create a product
Delete a product
Get a product
Get all products
Update a product
Templates and examples

Promote new Shopify products on Twitter and Telegram
by Lorena
View template details
Run weekly inventories on Shopify sales
by Lorena
View template details
Process Shopify new orders with Zoho CRM and Harvest
by Lorena
View template details
Browse Shopify integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.

Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Slack node#

Integrations
Built-in nodes
Actions
Slack node

Use the Slack node to automate work in Slack, and integrate Slack with other applications. n8n has built-in support for a wide range of Slack features, including creating, archiving, and closing channels, getting users and files, as well as deleting messages.
On this page, you'll find a list of operations the Slack node supports and links to more resources.
Credentials
Refer to
Slack credentials
for guidance on setting up authentication.
Operations

Channel
Archive
a channel.
Close
a direct message or multi-person direct message.
Create
a public or private channel-based conversation.
Get
information about a channel.
Get Many
: Get a list of channels in Slack.
History
: Get a channel's history of messages and events.
Invite
a user to a channel.
Join
an existing channel.
Kick
: Remove a user from a channel.
Leave
a channel.
Member

: List the members of a channel.
Open
or resume a direct message or multi-person direct message.
Rename
a channel.
Replies
: Get a thread of messages posted to a channel.
Sets purpose
of a channel.
Sets topic
of a channel.
Unarchive
a channel.
File
Get
a file.
Get Many
: Get and filter team files.
Upload
: Create or upload an existing file.
Message
Delete
a message
Get permalink
: Get a message's permalink.
Search
for messages
Send
a message
Send and Wait for Approval
: Send a message and wait for approval from the recipient before continuing.
Update
a message
Reaction
Add
a reaction to a message.
Get
a message's reactions.
Remove
a reaction from a message.
Star
Add
a star to an item.
Delete
a star from an item.
Get Many
: Get a list of an authenticated user's stars.
User
Get
information about a user.
Get Many
: Get a list of users.

Get User's Profile
.
Get User's Status
.
Update User's Profile
.
User Group
Create
a user group.
Disable
a user group.
Enable
a user group.
Get Many
: Get a list of user groups.
Update
a user group.
Templates and examples

Back Up Your n8n Workflows To Github
by Jonathan
View template details
Slack chatbot powered by AI
by n8n Team
View template details
IT Ops AI SlackBot Workflow - Chat with your knowledge base
by Angel Menendez
View template details
Browse Slack integration templates
, or
search all templates
Related resources

Refer to
Slack's documentation
for more information about the service.
Required scopes

Once you create a Slack app for your
Slack credentials
, you must add the appropriate scopes to your Slack app for this node to work. Start with the scopes listed in the
Scopes | Slack credentials
page.
If those aren't enough, use the table below to look up the resource and operation you want to use, then follow the link to Slack's API documentation to find the correct scopes.
Resource

Operation
Slack API method
Channel
Archive
conversations.archive
Channel
Close
conversations.close
Channel
Create
conversations.create
Channel
Get
conversations.info
Channel
Get Many
conversations.list
Channel
History
conversations.history
Channel
Invite
conversations.invite
Channel
Join
conversations.join
Channel
Kick
conversations.kick
Channel
Leave
conversations.leave
Channel
Member
conversations.members
Channel
Open
conversations.open
Channel
Rename
conversations.rename
Channel
Replies
conversations.replies
Channel
Set Purpose
conversations.setPurpose
Channel
Set Topic
conversations.setTopic
Channel
Unarchive

conversations.unarchive
File
Get
files.info
File
Get Many
files.list
File
Upload
files.upload
Message
Delete
chat.delete
Message
Get Permalink
chat.getPermalink
Message
Search
search.messages
Message
Send
chat.postMessage
Message
Send and Wait for Approval
chat.postMessage
Message
Update
chat.update
Reaction
Add
reactions.add
Reaction
Get
reactions.get
Reaction
Remove
reactions.remove
Star
Add
stars.add
Star
Delete
stars.remove
Star
Get Many
stars.list
User
Get
users.info
User
Get Many
users.list

User
Get User's Profile
users.profile.get
User
Get User's Status
users.getPresence
User
Update User's Profile
users.profile.set
User Group
Create
usergroups.create
User Group
Disable
usergroups.disable
User Group
Enable
usergroups.enable
User Group
Get Many
usergroups.list
User Group
Update
usergroups.update
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.smartsheet: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.smartsheet

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.smtp: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.smtp

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.snipcart: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.snipcart

Snowflake node#

Integrations
Built-in nodes
Actions
Snowflake node

Use the Snowflake node to automate work in Snowflake, and integrate Snowflake with other applications. n8n has built-in support for a wide range of Snowflake features, including executing SQL queries, and inserting rows in a database.
On this page, you'll find a list of operations the Snowflake node supports and links to more resources.
Credentials
Refer to
Snowflake credentials
for guidance on setting up authentication.
Operations

Execute an SQL query.
Insert rows in database.
Update rows in database.
Templates and examples

Load data into Snowflake
by n8n Team
View template details
Create a table, and insert and update data in the table in Snowflake
by Harshil Agrawal
View template details
Import Productboard Notes, Companies and Features into Snowflake
by Romain Jouhannet
View template details
Browse Snowflake integration templates
, or
search all templates
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.square: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.square

Stripe node#

Integrations
Built-in nodes
Actions
Stripe node

Use the Stripe node to automate work in Stripe, and integrate Stripe with other applications. n8n has built-in support for a wide range of Stripe features, including getting balance, creating charge, and deleting customers.
On this page, you'll find a list of operations the Stripe node supports and links to more resources.
Credentials
Refer to
Stripe credentials
for guidance on setting up authentication.
Operations

Balance
Get a balance
Charge
Create a charge
Get a charge
Get all charges
Update a charge
Coupon
Create a coupon
Get all coupons
Customer
Create a customer
Delete a customer
Get a customer
Get all customers
Update a customer
Customer Card
Add a customer card
Get a customer card
Remove a customer card
Source
Create a source
Delete a source
Get a source
Token
Create a token
Templates and examples

Update HubSpot when a new invoice is registered in Stripe
by Jonathan
View template details
Simplest way to create a Stripe Payment Link
by Emmanuel Bernard
View template details
Multi-Platform AI Sales Agent with RAG, CRM, Calendar & Stripe
by Vansh Arora
View template details
Browse Stripe integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
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Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Supabase node#

Integrations
Built-in nodes
Actions
Supabase
Supabase node

Use the Supabase node to automate work in Supabase, and integrate Supabase with other applications. n8n has built-in support for a wide range of Supabase features, including creating, deleting, and getting rows.

On this page, you'll find a list of operations the Supabase node supports and links to more resources.
Credentials
Refer to
Supabase credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Row
Create a new row
Delete a row
Get a row
Get all rows
Update a row
Templates and examples

AI Agent To Chat With Files In Supabase Storage
by Mark Shcherbakov
View template details
Autonomous AI crawler
by Oskar
View template details
Supabase Insertion & Upsertion & Retrieval
by Ria
View template details
Browse Supabase integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.

Select your credential.
Refer to
Custom API operations
for more information.
Common issues

For common errors or issues and suggested resolution steps, refer to
Common issues
.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
.

Trello node#

Integrations
Built-in nodes
Actions
Trello node

Use the Trello node to automate work in Trello, and integrate Trello with other applications. n8n has built-in support for a wide range of Trello features, including creating and updating cards, and adding and removing members.
On this page, you'll find a list of operations the Trello node supports and links to more resources.
Credentials
Refer to
Trello credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Attachment
Create a new attachment for a card
Delete an attachment
Get the data of an attachment
Returns all attachments for the card
Board
Create a new board
Delete a board
Get the data of a board
Update a board

Board Member
Add
Get All
Invite
Remove
Card
Create a new card
Delete a card
Get the data of a card
Update a card
Card Comment
Create a comment on a card
Delete a comment from a card
Update a comment on a card
Checklist
Create a checklist item
Create a new checklist
Delete a checklist
Delete a checklist item
Get the data of a checklist
Returns all checklists for the card
Get a specific checklist on a card
Get the completed checklist items on a card
Update an item in a checklist on a card
Label
Add a label to a card.
Create a new label
Delete a label
Get the data of a label
Returns all labels for the board
Remove a label from a card.
Update a label.
List
Archive/Unarchive a list
Create a new list
Get the data of a list
Get all the lists
Get all the cards in a list
Update a list
Templates and examples

RSS Feed News Processing and Distribution Workflow
by PollupAI
View template details
Process Shopify new orders with Zoho CRM and Harvest
by Lorena
View template details
Sync Google Calendar tasks to Trello every day
by Angel Menendez
View template details

Browse Trello integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Find the List ID

Open the Trello board that contains the list.
If the list doesn't have any cards, add a card to the list.
Open the card, add
.json
at the end of the URL, and press enter.
In the JSON file, you will see a field called
idList
.
Copy the contents of the
idList
field and paste it in the
*List ID
field in n8n.
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GitHub repo
.

Twilio node#

Integrations
Built-in nodes
Actions
Twilio node

Use the Twilio node to automate work in Twilio, and integrate Twilio with other applications. n8n supports sending MMS/SMS and WhatsApp messages with Twilio.
On this page, you'll find a list of operations the Twilio node supports and links to more resources.
Credentials
Refer to
Twilio credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

SMS
Send SMS/MMS/WhatsApp message
Call
Make a phone call using text-to-speech to say a message
Templates and examples

Handling Appointment Leads and Follow-up With Twilio, Cal.com and AI
by Jimleuk
View template details
Automate Lead Qualification with RetellAI Phone Agent, OpenAI GPT & Google Sheet
by Dr. Firas
View template details
Enhance Customer Chat by Buffering Messages with Twilio and Redis
by Jimleuk
View template details
Browse Twilio integration templates
, or
search all templates
Related resources

Refer to
Twilio's documentation
for more information about the service.
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node

to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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X (Formerly Twitter) node#

Integrations
Built-in nodes
Actions
X (Formerly Twitter) node

Use the X node to automate work in X and integrate X with other applications. n8n has built-in support for a wide range of X features, including creating direct messages and deleting, searching, liking, and retweeting a tweet.
On this page, you'll find a list of operations the X node supports and links to more resources.
Credentials
Refer to
X credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Direct Message
Create a direct message
Tweet
Create or reply a tweet
Delete a tweet
Search tweets
Like a tweet

Retweet a tweet
User
Get a user
List
Add a member to a list
Templates and examples

✨🤖Automate Multi-Platform Social Media Content Creation with AI
by Joseph LePage
View template details
AI-Powered Social Media Content Generator & Publisher
by Amjid Ali
View template details
✨🩷Automated Social Media Content Publishing Factory + System Prompt Composition
by Joseph LePage
View template details
Browse X (Formerly Twitter) integration templates
, or
search all templates
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Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.webexbycisco: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.webexbycisco

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.webhook: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.webhook

Error scraping https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.whatsappbusinesscloud: 404 Client Error: Not Found for url: https://docs.n8n.io/integrations/builtin/app-nodes/n8n-nodes-base.whatsappbusinesscloud

WordPress node#

Integrations
Built-in nodes
Actions
WordPress node

Use the WordPress node to automate work in WordPress, and integrate WordPress with other applications. n8n has built-in support for a wide range of WordPress features, including creating, updating, and getting posts and users.
On this page, you'll find a list of operations the WordPress node supports and links to more resources.
Credentials
Refer to

WordPress credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Post
Create a post
Get a post
Get all posts
Update a post
Pages
Create a page
Get a page
Get all pages
Update a page
User
Create a user
Get a user
Get all users
Update a user
Templates and examples

Write a WordPress post with AI (starting from a few keywords)
by Giulio
View template details
🔍🛠️Generate SEO-Optimized WordPress Content with AI Powered Perplexity Research
by Joseph LePage
View template details
Automate Content Generator for WordPress with DeepSeek R1
by Davide
View template details
Browse WordPress integration templates
, or
search all templates
What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
Was this page helpful?
Thanks for your feedback!
Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
GitHub repo
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Zendesk node#

Integrations
Built-in nodes
Actions
Zendesk node

Use the Zendesk node to automate work in Zendesk, and integrate Zendesk with other applications. n8n has built-in support for a wide range of Zendesk features, including creating, and deleting tickets, users, and organizations.
On this page, you'll find a list of operations the Zendesk node supports and links to more resources.
Credentials
Refer to
Zendesk credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Ticket
Create a ticket
Delete a ticket
Get a ticket
Get all tickets
Recover a suspended ticket
Update a ticket
Ticket Field
Get a ticket field
Get all system and custom ticket fields
User
Create a user

Delete a user
Get a user
Get all users
Get a user's organizations
Get data related to the user
Search users
Update a user
Organization
Create an organization
Delete an organization
Count organizations
Get an organization
Get all organizations
Get data related to the organization
Update a organization
Templates and examples

Automate SIEM Alert Enrichment with MITRE ATT&CK, Qdrant & Zendesk in n8n
by Angel Menendez
View template details
Sync Zendesk tickets with subsequent comments to Jira issues
by n8n Team
View template details
Sync Zendesk tickets to Slack thread
by n8n Team
View template details
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What to do if your operation isn't supported

If this node doesn't support the operation you want to do, you can use the
HTTP Request node
to call the service's API.
You can use the credential you created for this service in the HTTP Request node:
In the HTTP Request node, select
Authentication

Predefined Credential Type
.
Select the service you want to connect to.
Select your credential.
Refer to
Custom API operations
for more information.
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Thanks for your feedback! Help us improve this page by submitting an issue or a fix in our
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.

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Zoom node#

Integrations
Built-in nodes
Actions
Zoom node

Use the Zoom node to automate work in Zoom, and integrate Zoom with other applications. n8n has built-in support for a wide range of Zoom features, including creating, retrieving, deleting, and updating meetings.
On this page, you'll find a list of operations the Zoom node supports and links to more resources.
Credentials
Refer to
Zoom credentials
for guidance on setting up authentication.
This node can be used as an AI tool
This node can be used to enhance the capabilities of an AI agent. When used in this way, many parameters can be set automatically, or with information directed by AI - find out more in the
AI tool parameters documentation
.
Operations

Meeting
Create a meeting
Delete a meeting
Retrieve a meeting
Retrieve all meetings
Update a meeting
Templates and examples

Zoom AI Meeting Assistant creates mail summary, ClickUp tasks and follow-up call
by Friedemann Schuetz
View template details
Streamline Your Zoom Meetings with Secure, Automated Stripe Payments
by Emmanuel Bernard
View template details
Create Zoom meeting link from Google Calendar invite
by Jason Foster
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