Default Data Loader node documentation

# Default Data Loader node#

Use the Default Data Loader node to load binary data files or JSON data for vector stores or summarization.

On this page, you'll find a list of parameters the Default Data Loader node supports, and links to more resources.

Parameter resolution in sub-nodes

Sub-nodes behave differently to other nodes when processing multiple items using an expression.

Most nodes, including root nodes, take any number of items as input, process these items, and output the results. You can use expressions to refer to input items, and the node resolves the expression for each item in turn. For example, given an input of five name values, the expression {{ $json.name }} resolves to each name in turn.

name

{{ $json.name }}

In sub-nodes, the expression always resolves to the first item. For example, given an input of five name values, the expression {{ $json.name }} always resolves to the first name.

name

{{ $json.name }}

## Node parameters#

• Type of Data: Select Binary or JSON.

• Data Format: Displays when you set Type of Data to Binary. Select the file MIME type for your binary data. Set to Automatically Detect by MIME Type if you want n8n to set the data format for you. If you set a specific data format and the incoming file MIME type doesn't match it, the node errors. If you use Automatically Detect by MIME Type, the node falls back to text format if it can't match the file MIME type to a supported data format.

• Mode: Displays when you set Type of Data to JSON. Choose from:  
Load All Input Data: Use all the node's input data.  
Load Specific Data: Use expressions to define the data you want to load. You can add text as well as expressions. This means you can create a custom document from a mix of text and expressions.

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## Node options#

• Metadata: Set the metadata that should accompany the document in the vector store. This is what you match to using the Metadata Filter option when retrieving data using the vector store nodes.

## Templates and examples#

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by David Roberts

## Related resources#

Refer to LangChain's documentation on document loaders for more information about the service.

View n8n's Advanced AI documentation.

## AI glossary#

• completion: Completions are the responses generated by a model like GPT.

• hallucinations: Hallucination in AI is when an LLM (large language model) mistakenly perceives patterns or objects that don't exist.

• vector database: A vector database stores mathematical representations of information. Use with embeddings and retrievers to create a database that your AI can access when answering questions.

• vector store: A vector store, or vector database, stores mathematical representations of information. Use with embeddings and retrievers to create a database that your AI can access when answering questions.