

Node Guide : MD To Vector

Overview

The **MD To Vector** node processes Markdown (`.md`) documents by converting them into vector embeddings. These embeddings are stored inside a vector database collection and are later used in AI-powered search, retrieval, or Q&A systems using RAG (Retrieval-Augmented Generation) methodology.

What This Node Does

- Accepts Markdown files from a selected document source
 - Chunks and embeds content using a chosen embedding model
 - Stores the resulting vector representations into a named vector collection
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Inputs

This node uses configuration inputs such as the embedding model, collection name, documents, chunking details, and indexing strategy to perform the conversion.

Outputs

This node does not produce a direct output. The operation saves the vector embeddings into the configured vector database collection silently.

Configuration

1. Embedding Model

Select the embedding model from the available options in the global configuration. This setting determines how text will be converted to vector format.

Note: This field is mandatory.

2. Collection Name

Type or select the name of the target vector collection where the output embeddings will be

stored.

Workflow variables can also be used here.

3. Documents

Select a DMS-type global configuration that points to the source `.md` documents to be processed.

4. Chunk Size

Specify how many characters should be present in each text chunk.

This controls the size of each piece of text sent for embedding.

5. Chunk Overlap

Define the number of characters that should overlap between two consecutive chunks.

This ensures smoother transitions and context preservation across chunks.

6. Indexing Type

Choose how to handle document updates:

- **Upsert** – Adds or updates only new or modified content
- **Re-Index** – Fully deletes and reprocesses all selected documents

7. Metadata Fields

Multi-select the metadata fields that should be stored along with each embedded chunk. Supported options include:

- Tags
- File ID
- File Name
- File Size
- File Extension

When to Use

Use this node when you want to:

- Prepare `.md` documents for AI-based document understanding
- Build a knowledge base from Markdown files

- Enable vector-powered search or Q&A workflows using Markdown content
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Example Flow

Scenario: You want to index technical documentation written in Markdown format.

Steps:

1. DMS holds all `.md` files
 2. Use the **MD To Vector** node to embed and store document vectors
 3. Vectors are later used in a LLM-prompting step for document querying
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Summary of the Flow

- Reads markdown files from DMS
 - Converts the content into semantic vector embeddings
 - Stores the embeddings into a vector database with metadata
 - Enables intelligent document search and retrieval
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Let me know if you'd like the same format for the **HTML To Vector**, **DOCX To Vector**, or any other similar nodes.