



DATASHEET · UNDERSTAND · KNOWLEDGE GRAPH

# Invoice, delivery note, order: scattered everywhere?

## Now you see which documents belong together.

The Knowledge Graph connects documents with the same reference number, from the same business partner and with similar content, and it flags possible duplicates. As a view in the app, via REST API and MCP. For anyone who wants to see transactions instead of single files.

### AT A GLANCE

Relationships form on their own from AI-DMS Premium, based on document numbers, senders and similarity. You add your own links by drag and drop, with type and note.

01 · WHAT IT IS ABOUT

# What belongs together is scattered. The graph puts it together.

Order, delivery note and invoice arrive through different channels and then sit in the archive one by one. To see the whole transaction, you search for the number and hope for hits. The Knowledge Graph connects these documents during processing.

## INPUT

Documents processed with AI-DMS Premium or Ultra

## RELATIONSHIPS

Same reference, same partner, duplicate candidate, similar content, your own links

## VIEW

Documents as thumbnails, each relationship type in its own color

## ACCESS

Web app, REST API and MCP tools



### Same reference

Order no. 12345 and invoice 12345 belong together: the graph connects documents with the same document or reference number on its own.

### Same business partner

Documents from the same sender are connected, such as a supplier's invoices over several months.

### Possible duplicates

The graph flags the same document number from the same partner as a duplicate candidate. That way, an invoice received twice stands out.

### Similar content

Through embeddings, the graph connects documents with similar content. You show or hide these connections separately.

### Your own links

Drag one document onto another, choose a relation type such as Replaces or Belongs to, add a note. The documents stay where they are.

### Questions via MCP

With `po_knowledge_graph_ask`, PaperOffice answers questions across several documents, such as which files belong to a partner.

## 02 · HOW IT WORKS

# Process, view, link.

The graph grows with every processing run. In the document list you see it as a view of its own, and where you want to record a business relationship, you link documents yourself.

1

## Process with Premium

Select documents and choose the Premium or Ultra tier under **Actions › Agents & workflows › AI-DMS**. The relationships form during this processing.

2

## Open the view

In the document list, choose the **Transactions** view under **Options**. Documents appear as thumbnails, relationships as colored lines.

3

## Filter and open

You show partner/reference, similarity and links separately. One click shows type, date, amount and partner; a double-click opens.

4

## Link it yourself

Drag one document onto another and choose **Link documents** or **Create document folder**. Linked documents carry a badge in the list.

## TECHNICAL DATA

| FEATURE                 | DETAILS                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------|
| Automatic relationships | Same reference, same business partner, duplicate candidate, similar content                    |
| Your own links          | Relation type (incl. References, Replaces, Belongs to, Same process), direction, note          |
| Created with            | AI-DMS Premium and Ultra                                                                       |
| App                     | Document list, <b>Transactions</b> view; badge on linked documents                             |
| REST API                | /knowledge_graph/universe, /partners, /references, /business_case, /timeline, /relation-create |
| MCP                     | po_knowledge_graph_universe_get, _references_get, _business_case_get, po_knowledge_graph_ask   |
| Plan                    | View in Document AI; REST API and MCP from the Plus plan, billed by usage                      |

## 03 · IN PRACTICE

# Where the graph helps every day.

**Spot a duplicate invoice**

The same invoice arrived by email and by mail. Because document number and partner match, both appear side by side in the graph as duplicate candidates.

**One transaction, one number**

Order, delivery note and invoice carry the same number. In the Transactions view they hang together, and a double-click opens each document.

**Files for a meeting**

Before meeting a supplier, an AI assistant asks via MCP for all documents of this partner and the reference numbers that connect them.

## FREQUENTLY ASKED QUESTIONS

**Where do the relationships come from?**

From the fields of processing: the same document or reference number, the same sender, and the same document number from the same partner as a duplicate candidate. Add to that similarity via embeddings and your own links.

**Link or document folder?**

A link stores a business relationship in the Knowledge Graph; the documents stay where they are. A document folder groups documents visibly in the overview. When connecting, you choose what fits.

**Do I have to tag documents?**

No. From AI-DMS Premium, relationships form during processing. You add your own links wherever you want to record a business relationship.

**Is there an API?**

Yes. Universe per workspace, partners, references, transaction per reference number and timeline are available as REST endpoints and MCP tools, for example for Claude and Cursor. The graph shows the workspaces the access has permissions for.

## GET STARTED

**Process documents and see the connections**

Process a few related documents with AI-DMS Premium and choose the **Transactions** view in the document list.

[paperoffice.ai/en/ai-knowledge-graph-semantic-search](https://paperoffice.ai/en/ai-knowledge-graph-semantic-search)



## MORE ABOUT THE MODULE

[paperoffice.ai/en/ai-knowledge-graph-semantic-search](https://paperoffice.ai/en/ai-knowledge-graph-semantic-search)

## PRICING

[paperoffice.ai/en/pricing](https://paperoffice.ai/en/pricing)

## CONTACT

[paperoffice.ai/en/contact](https://paperoffice.ai/en/contact)