



DATASHEET • UNDERSTAND • ENTITIES

Names and amounts buried somewhere in the text?

Now you find them across all your documents.

When documents are processed with AI-DMS Premium or higher, PaperOffice reads companies, people, amounts, dates, places, email addresses, phone numbers, invoice and contract numbers, and IBANs from every document. Spellings of the same company are merged.

AT A GLANCE

Ten entity types, classified in context: the language model decides company or person from the value, not the field name. Searchable across all documents, in the app, via API and MCP.

01 · WHAT IT IS ABOUT

The facts are in the document. Entities make them usable.

To find out which files mention a company, an IBAN or an amount, you would otherwise open one file after another. During processing, PaperOffice extracts these values as entities, assigns each a type and makes them searchable across your entire archive.

INPUT

Documents processed with AI-DMS Premium or Ultra

RESULT

Entities in ten types, each hit with document and confidence

RESOLUTION

Spellings of the same company or person as one canonical entity

ACCESS

Web app, REST API and MCP tools

**Ten types**

Company, person, date, amount, email, phone, place, invoice number, contract and reference number, and IBAN including BIC and account number.

Context, not patterns

The language model decides by the value: Dr. Benjamin Kramer is a person, Deutsche Bank AG is a company. It recognizes legal forms such as GmbH, Ltd or S.A.

Canonical entities

Spellings of the same company or person become one canonical entity. A language model checks uncertain matches before they are merged.

Search across documents

Search for a company, a person, an IBAN or an amount and see every document in which the value appears.

Statistics per entity

For a value, the number of documents, and for companies also the totals from the extracted amount fields.

Document network

Entities appear as objects, connected through shared documents. One click shows the directly connected objects and where they were found.

02 · HOW IT WORKS

Process, explore, query.

Entities are created on their own as soon as you process documents with AI-DMS Premium or Ultra. Then you see them in the document network or query them via API and MCP.

1

Process with Premium

Select documents and choose the Premium or Ultra tier under `Actions › Agents & workflows › AI-DMS`. The entities are created during this processing.

2

Open the network

`Analytics AI › Document Network` shows the entities in your archive as a network. With `Object type` you narrow it to people, companies or IBANs, for example.

3

Select an object

Clicking an object shows the directly connected objects and the documents in which it was found.

4

Query via API or MCP

Search with `GET /document_intelligence/entities/search`, the canonical list with `/entities/canonical`, in MCP with `po_entities_search`.

TECHNICAL DATA

FEATURE	DETAILS
Types	company, person, date, amount, email, phone, location, invoice_number, contract_number, iban
Created with	AI-DMS Premium and Ultra
Per hit	Type, value, normalized value, confidence, document
App	<code>Analytics AI › Document Network</code> , included in the Corporate plan; document search also uses entities
REST API	<code>/document_intelligence/entities/search</code> , <code>/entities/canonical</code> , <code>/document_intelligence/entities</code>
MCP	<code>po_entities_search</code> , <code>po_entities_canonical_get</code> , <code>po_entities_stats_get</code> , <code>po_entities_network_get</code>
Billing	By usage, depending on the tier

03 · IN PRACTICE

Where entities help every day.

Where does this IBAN appear?

Accounting searches for an IBAN from a new invoice and sees every document in which it already appears. That shows whether the bank account is known.

Who is connected to what?

In the document network, clicking a company shows the people, IBANs and amounts that appear with it in the same documents.

An AI assistant with facts

Through MCP, an AI assistant in Claude or Cursor asks for all documents about a person and gets the hits with document and type.

FREQUENTLY ASKED QUESTIONS

Which entity types are recognized?

Companies, people, dates, amounts, email addresses, phone numbers, places and addresses, invoice numbers, contract and reference numbers, and IBANs including BIC and account number.

Which processing tier do I need?

Entities are created from AI-DMS Premium, and with Ultra as well. The document network in Analytics AI is included in the Corporate plan. Billing is by usage, depending on the tier.

What is a canonical entity?

The merged entry for different spellings of the same company or person. PaperOffice aligns legal forms such as GmbH or Ltd for this, and a language model checks uncertain matches. /entities/canonical returns the list with document counts.

What do I use entities for?

For search across documents, statistics per company or IBAN, the document network, and queries via REST API and MCP, for example from Claude or Cursor.

GET STARTED

Process documents and put entities to work

Process a few documents with AI-DMS Premium, then open [Analytics AI > Document Network](#). There you see which companies, people and IBANs your archive contains.

paperoffice.ai/en/ai-entities-named-entity-recognition-ner-extraction



MORE ABOUT THE MODULE

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