

AI - RAG

Enterprise RAG Engineering

A RAG demo is an afternoon, a RAG system with permissions and measurable quality is engineering. Here you build the latter.

DURATION**3 days****GROUP****up to 12 people****FORMAT**

In-house · Open · In the lab · German or English

THIS EXISTS AFTERWARDS

- ▶ A running RAG prototype on the lab environment, built by your own team, with a traceable architecture decision per component
- ▶ An ingestion pipeline with documented chunking strategies for prose, tables and structured documents
- ▶ Hybrid retrieval combining vector and full-text search with reranking, measured head-to-head against naive vector search
- ▶ An evaluation set of 30-50 question-answer pairs and a first measured quality baseline
- ▶ An implemented permission model with document-level security and a limits document that honestly states what the prototype cannot do

AGENDA

Day 1

Why the tutorial RAG fails on your documents · Ingestion: turning documents into usable units · Chunking is a decision, not a default · Embeddings and index in operation · Day result: the pipeline runs

Day 2

The limits of pure vector search · Building hybrid retrieval · Reranking: precision on the last mile · The evaluation set takes shape · Day result: measured quality instead of gut feeling

Day 3

Permissions: the question that stops projects · Implementing document-level security · Answer quality: grounding, citations, saying I do not know · Limits document and operations handover · Day result: the prototype in review

**YOUR TRAINER****Dino Bordonaro**

Microsoft MVP for eight consecutive years (Microsoft Azure · Cloud and Datacenter Management), Microsoft Certified Trainer, almost 30 years in IT. Builds sovereign AI systems on own hardware (Azure Local, Foundry Local, NVIDIA GPUs) and trains on exactly that. More than 800 professionals trained, every concept proven in his own enterprise lab in a TÜV-audited datacenter.

€23,700 flat, plus VAT

This track builds a prototype with your team and teaches the engineering decisions behind it. It is neither a product rollout nor an implementation project in your production environment, for those we talk about a project or the Sovereign Assistant.

AI - RAG