Advanced AI examples and concepts

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This section provides explanations of important AI concepts, and workflow templates that highlight those concepts, with explanations and configuration guides. The examples cover common use cases and highlight different features of advanced AI in n8n.

• Agents and chains  
  
Learn about agents and chains in AI, including exploring key differences using the example workflow.  
  
 What's a chain in AI?  
  
 What's an agent in AI?  
  
 Demonstration of key differences between agents and chains

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• Custom n8n Workflow Tool  
  
Learn about tools in AI, then explore examples that use n8n workflows as custom tools to give your AI workflow access to more data.  
  
 What's a tool in AI?  
  
 Chat with Google Sheets  
  
 Call an API to fetch data  
  
 Set up a human fallback  
  
 Let AI specify tool parameters with $fromAI()

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Learn about vector databases in AI, along with related concepts including embeddings and retrievers.  
  
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• Memory  
  
Learn about memory in AI.  
  
 What's memory in AI?

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• AI workflow templates  
  
You can browse AI templates, included community contributions, on the n8n website.  
  
 Browse all AI templates

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