

# Building AI Agents

with n8n and FileMaker

Marcel Moré



# Topics

**Agents**

**n8n Platform**

**MCP**

**Vibe Coding**

This is a follow-up to my presentation at "Vienna Calling" from June 2025

# About . . .

- Self-employed as developer and information designer for 37 years
- **FileMaker** enthusiast since Version 2
- Specializes in customized business solutions for clients in industry, trade, marketing
- Host of FileMaker Usergroup Braunschweig (Germany)
- Author and Speaker for FileMaker related topics



Marcel Moré



<https://imarcel.net>

# Presentations...

2011 FileMaker als Multitalent für komplexe Schnittstellen

2012 100% automatisierte Katalog-Produktion

2013 Entwickler-Werkzeuge

2013 Das Matroschka Prinzip

2015 The Power of JavaScript

2016 Dojo kun for the Martial Art of Programming

2016 The Power of SVG

2021 FileMaker and Node-Red

2021 Building a FileMaker-Server Dashboard with Node-Red

2022 Die Zukunft von FileMaker

2023 Claris Platform Update – The Bottom Line

2024 Integrating DuckDB

2024 Integration DuckDB with FileMaker (Part 2)

2025 Building AI Agents with n8n and FileMaker

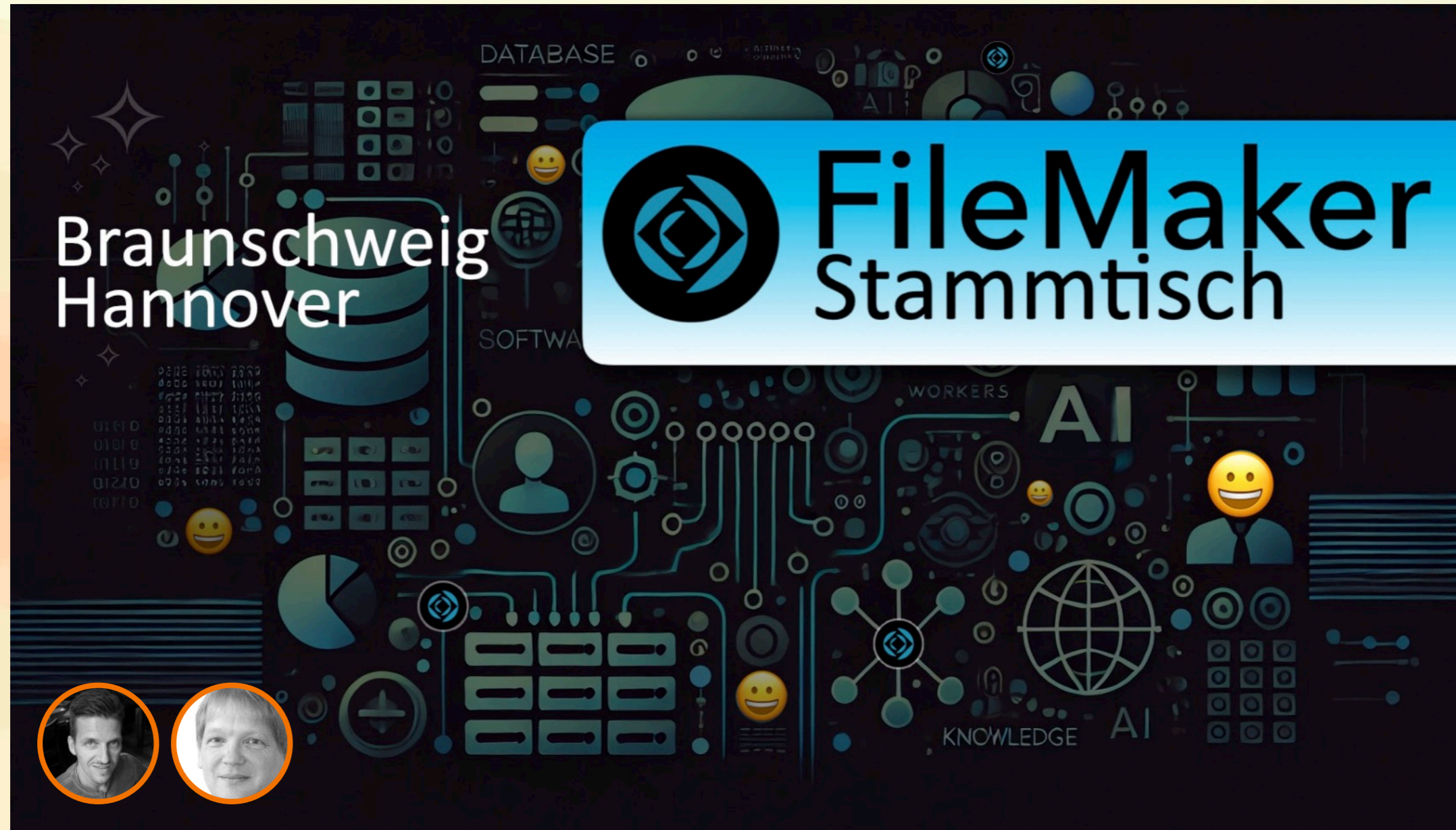
**FMK** FileMaker  
Konferenz



v i e n n a  
••• -- •••  
c a l l i n g

**engageU**

# Monthly meetup...



**100+ hosted events since 2015**

<https://fm-stammtisch.de/>

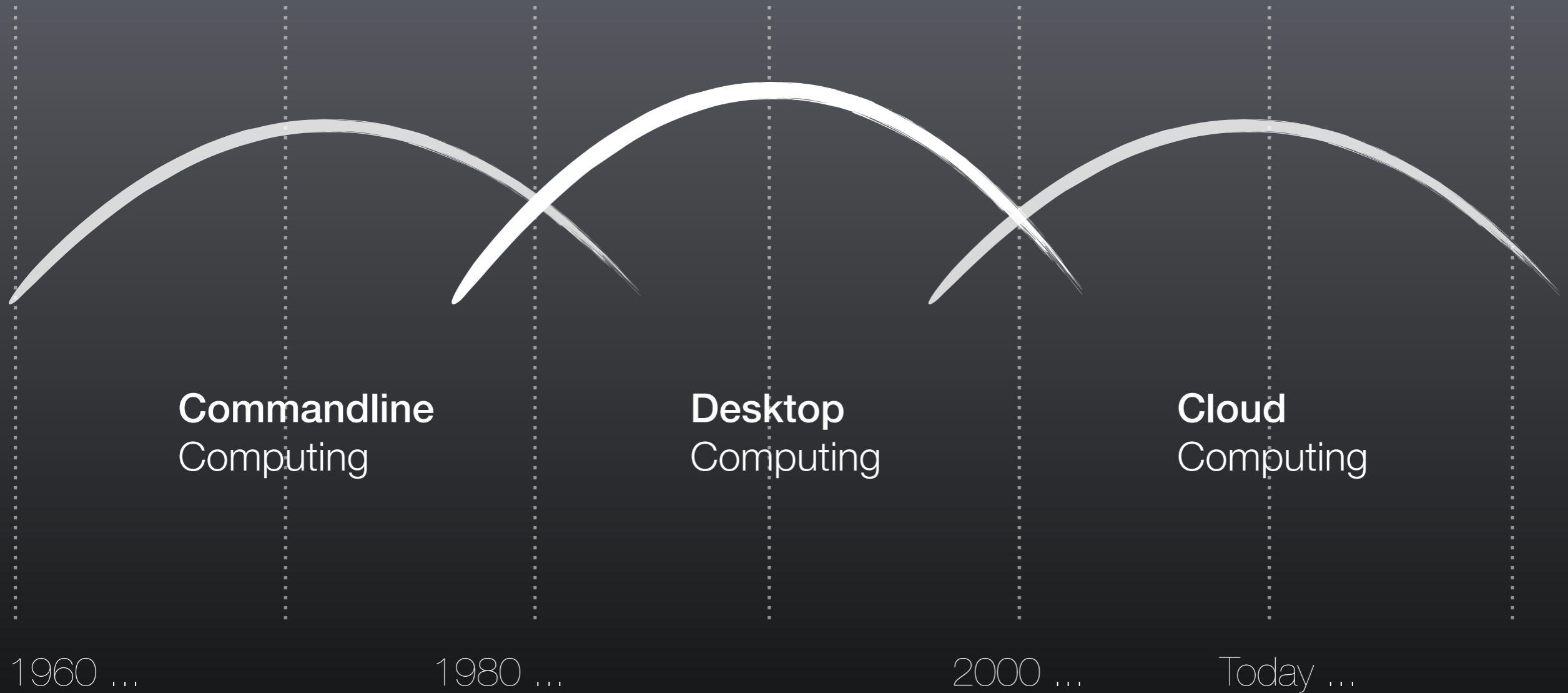
# Preface

# History Lesson

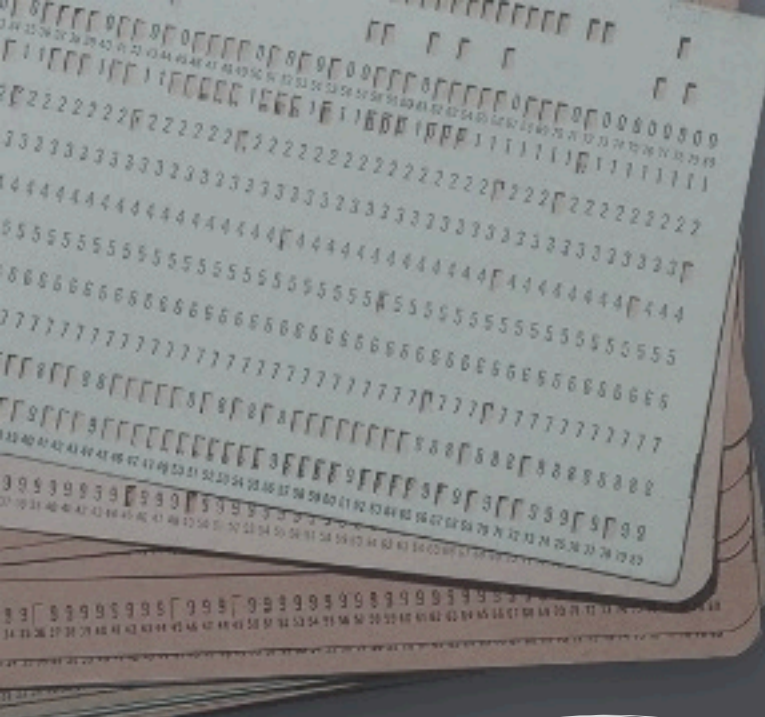


**What happened  
since?**

# Cycles of IT development



# Paradigms changed



Commandline  
Computing

Host based  
**CLI**

Desktop  
Computing

Client / Server  
**GUI**

Cloud  
Computing

Distributed + Mobile  
**API**

# Paradigms changed

Commandline  
Computing

Desktop  
Computing

Cloud  
Computing

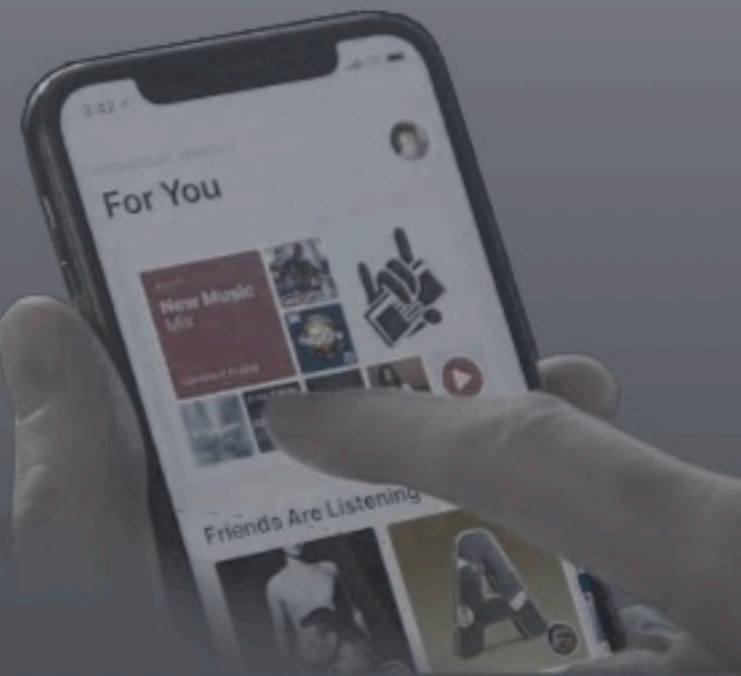
Host based  
**CLI**

Client / Server  
**GUI**

Distributed + Mobile  
**API**



# Paradigms changed



Commandline  
Computing

Desktop  
Computing

Cloud  
Computing

Host based  
**CLI**

Client / Server  
**GUI**

Distributed + Mobile  
**API**

# Agents....

Commandline  
Computing

Desktop  
Computing

Cloud  
Computing

*fictional characters with some kind of super powers*



1969



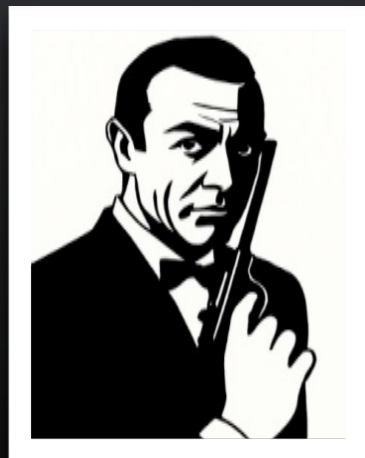
1987



2014

# the next Aera ....

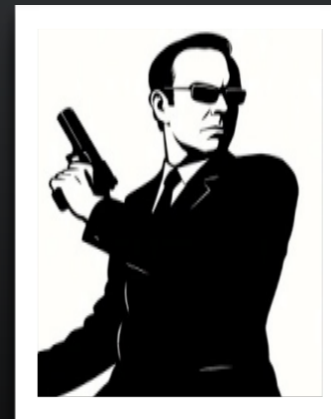
Commandline  
Computing



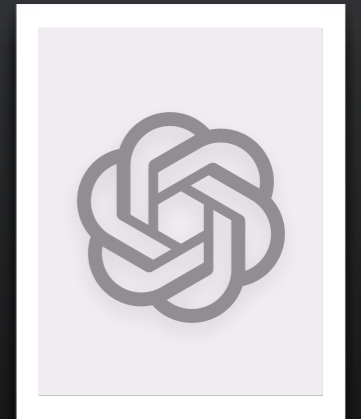
Desktop  
Computing



Cloud  
Computing



AI  
Agents



the next Aera ....

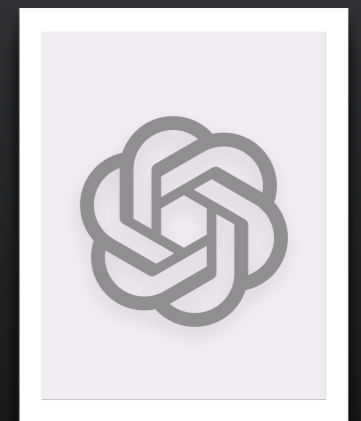
Commandline  
Computing

Desktop  
Computing

Cloud  
Computing

AI  
Agents

*a fundamental shift in computing:  
non deterministic  
new kind of interactions*





# AI Magic

*getting ahead of the Hype ...*

✨ ✨ ✨ RAG



Agents



AI Magic



MCP



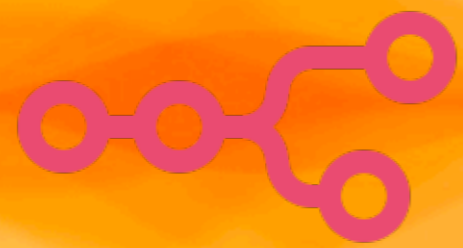
Integrations



*Vibe Coding*

*let's get practical*

I found a perfect tool to complement FileMaker...



n8n



# n8n

- »node nation«
- visual LowCode Plattform
- Startup from Berlin
- founded 5 years ago by Jan Oberhauser
- lately got viral as »LowCode AI«
- tons of YouTube Videos with AI Hype...



# n8n

- 1000+ Integrations (*incl. FileMaker*)
- 4000+ Workflow Templates
- 125.000+ GitHub Stars ★
- great Docs + broad Community
- Cloud Service + On-Prem
- free Self Hosting available
- Docker Image up and running in 5 mins



# n8n

- ready made Nodes for AI Agents
- all State of the Art Models available  
OpenAI, Claude, Gemini, Mistral, Ollama
- really clever Integration of LangChain!
- Support for Vector Stores:  
Qdrant, Pinecone, Supabase, ...
- Self-hosted AI starter kit



n8n

*demo*

# Integrations

# FileMaker Node

# Agents

The background features a series of overlapping, wavy, organic shapes in various shades of orange and yellow, creating a textured, fluid effect. The colors transition from a pale yellow at the top and bottom to a deeper orange in the center.

**RAG**

The background consists of several overlapping, semi-transparent wavy shapes in various shades of orange and yellow, creating a sense of depth and movement. The colors are warm and vibrant. In the center of the image, the letters 'MCP' are written in a clean, white, sans-serif font. The text is bold and stands out clearly against the busy, colorful background.

**MCP**

# Vibe Coding

**How *it* works**

# Foundation



n8n

JSON  
Objects

JSON  
Objects

JSON  
Objects

JSON  
Objects

*NodeJS Pipeline*

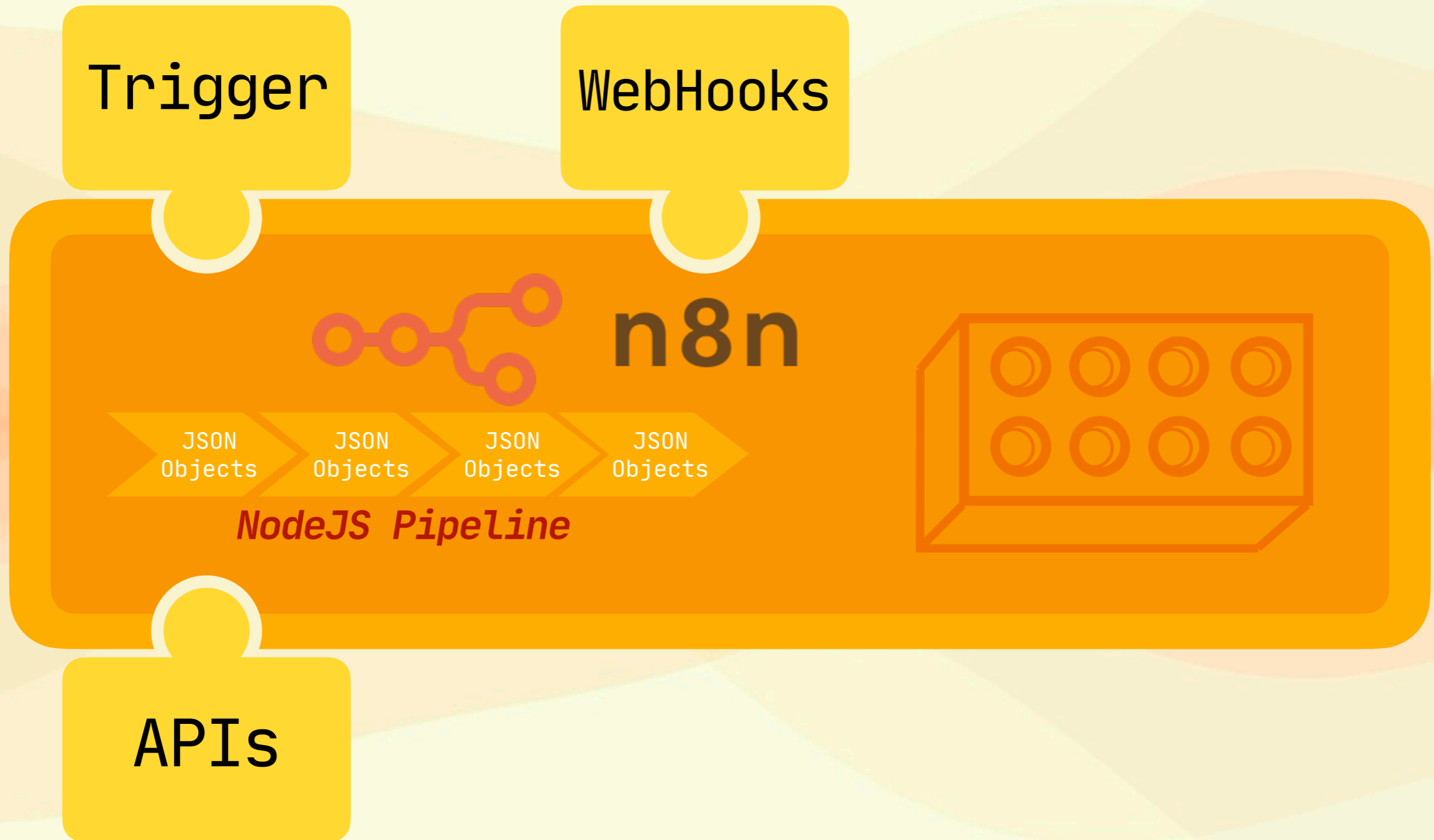
Local  
Storage

1st Incarnation

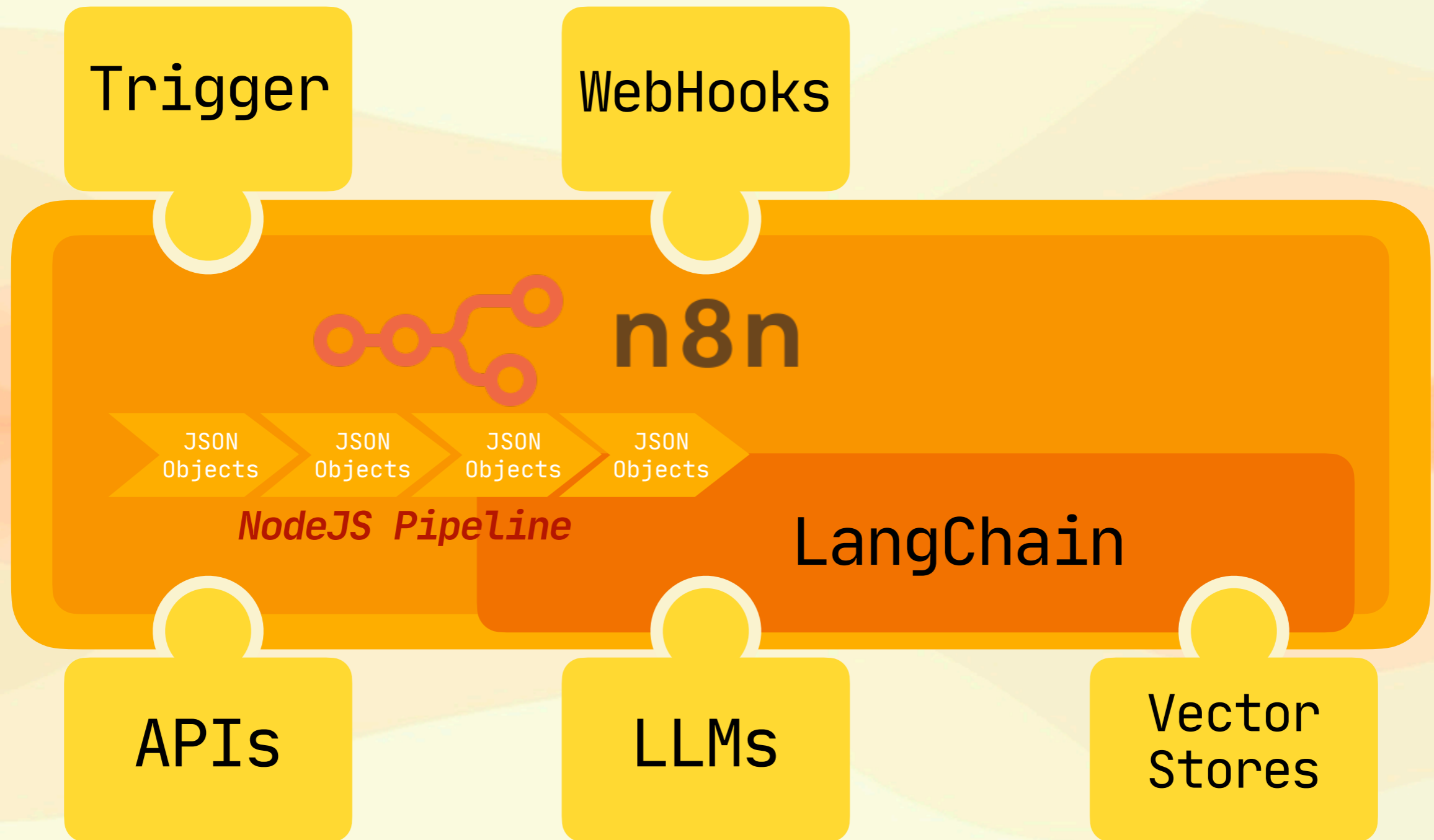
» Workflows «

Trigger

WebHooks

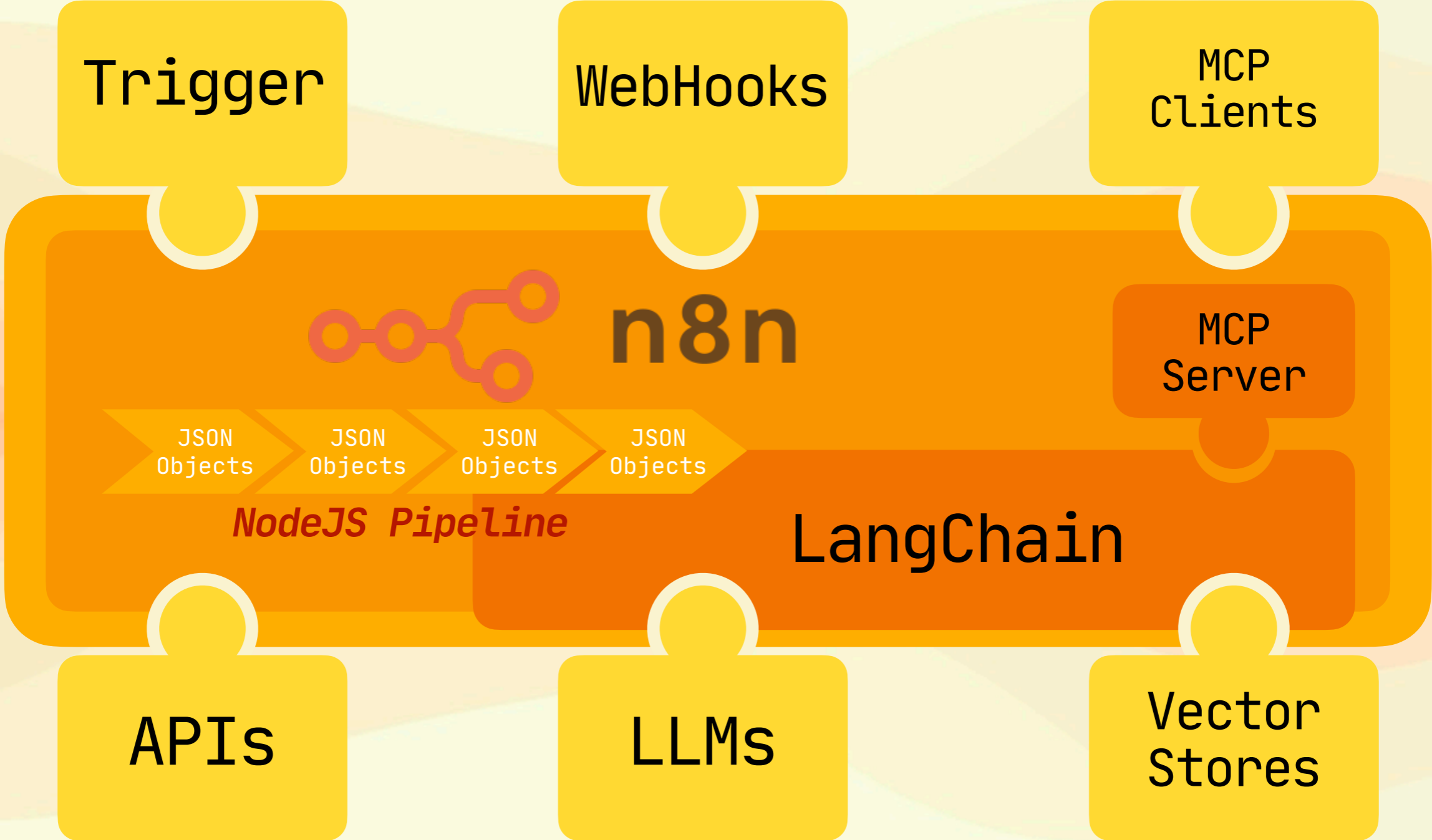


*infinite Playground of LEGO Bricks....*



# 3rd Incarnation

# » AI Wrapper «



local

build in

Trigger

remote

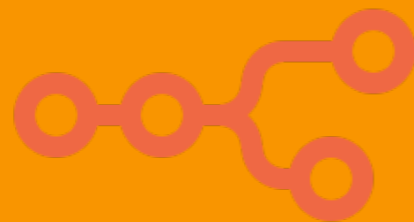
local

WebHooks

remote

local

MCP Clients



n8n

JSON Objects

JSON Objects

JSON Objects

JSON Objects

NodeJS Pipeline

LangChain

MCP Server

APIs

Services

Databases

Documents

LLMs

local

remote

Vector Stores

local

remote

local

build in

Trigger

remote

local

WebHooks

remote

local

MCP  
Clients

*Awesome!*

n8n

MCP  
Server

LangChain

APIs

Services

Databases

Documents

LLMs

local

remote


Vector  
Stores

local

remote

# Cooking up an Agent

# Ingredients...

 Integration-Platform (n8n)

 Workflows (n8n)

 Tools

 LLMs

 Prompts !!!

 Interface



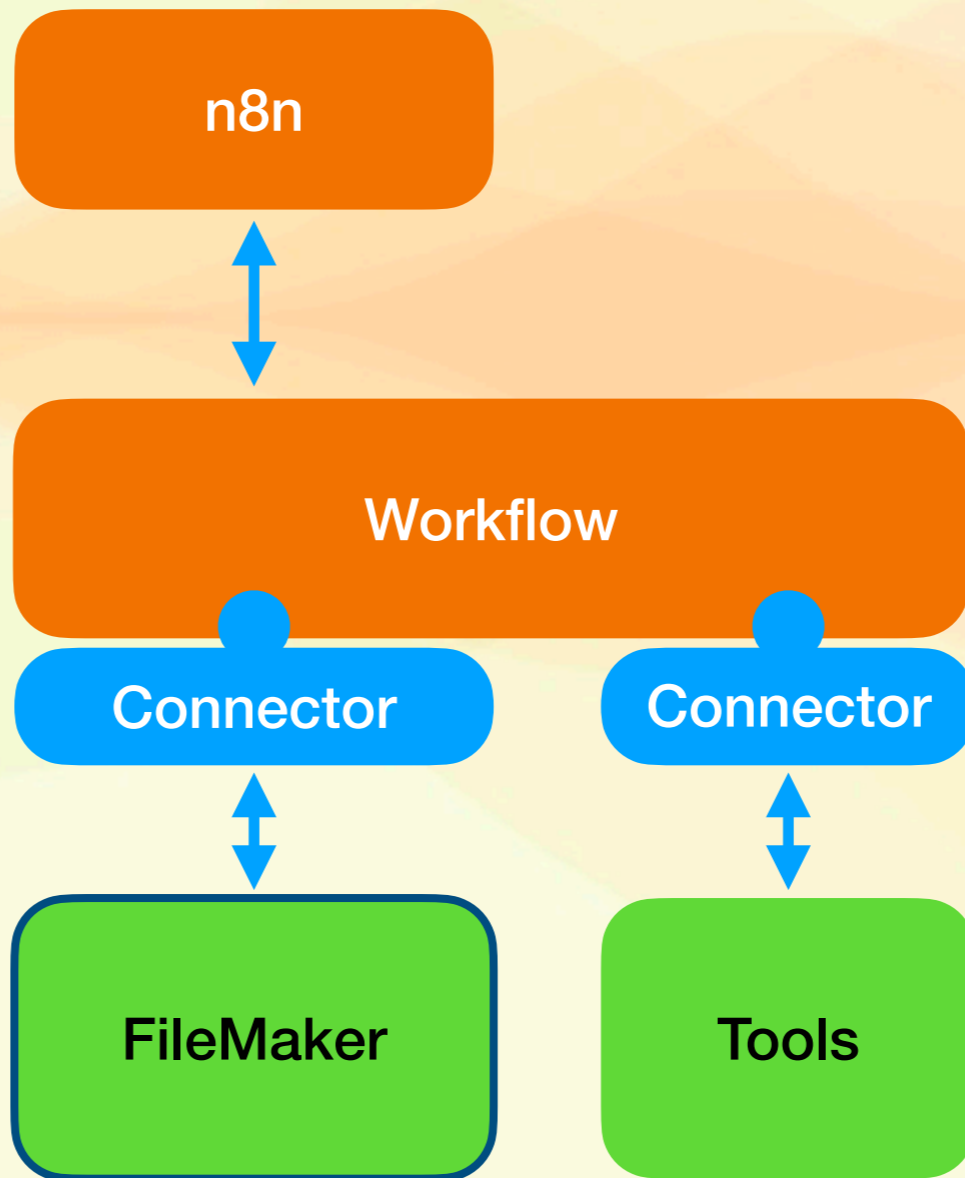
# Cooking

n8n

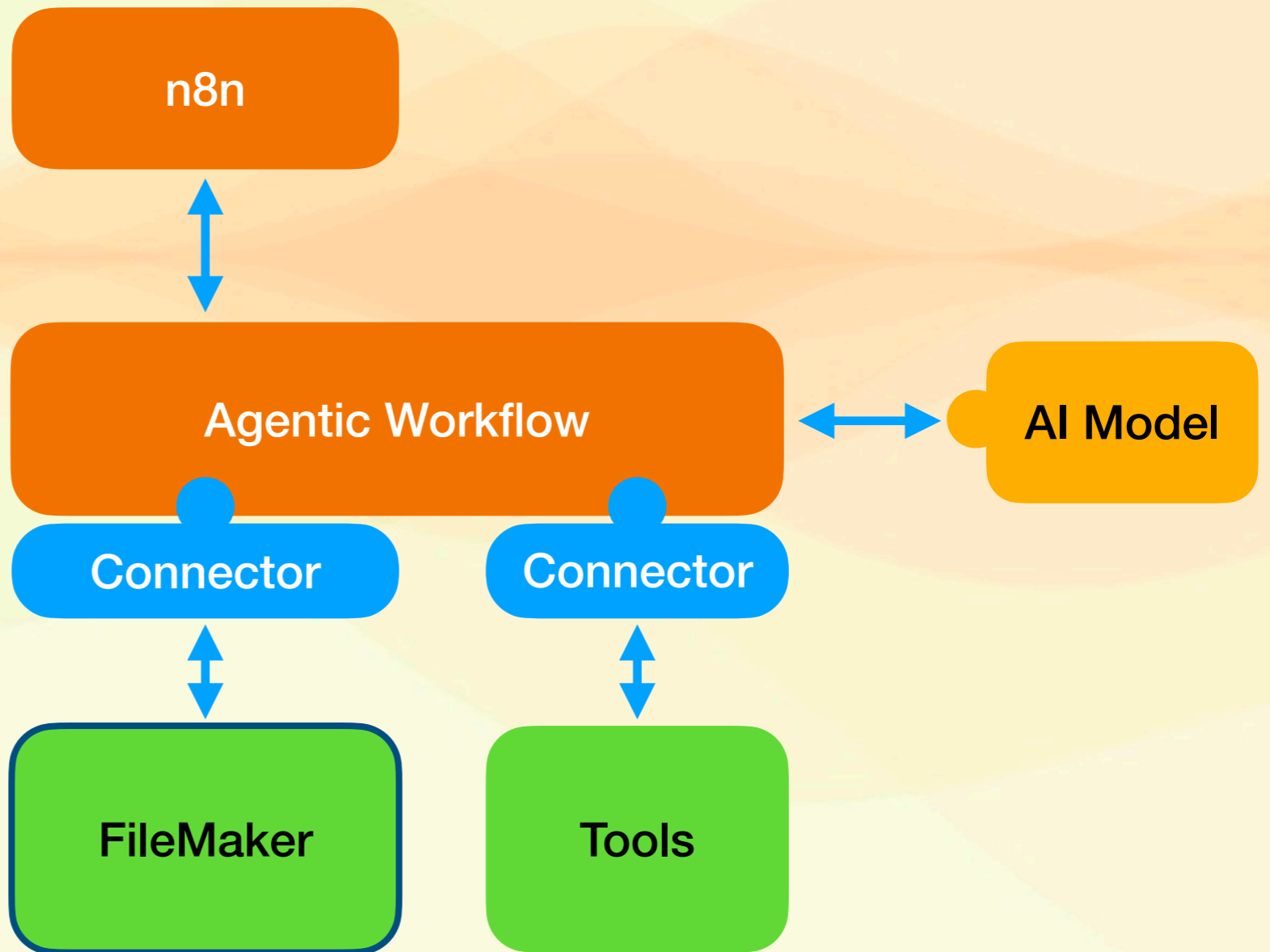
FileMaker

Tools

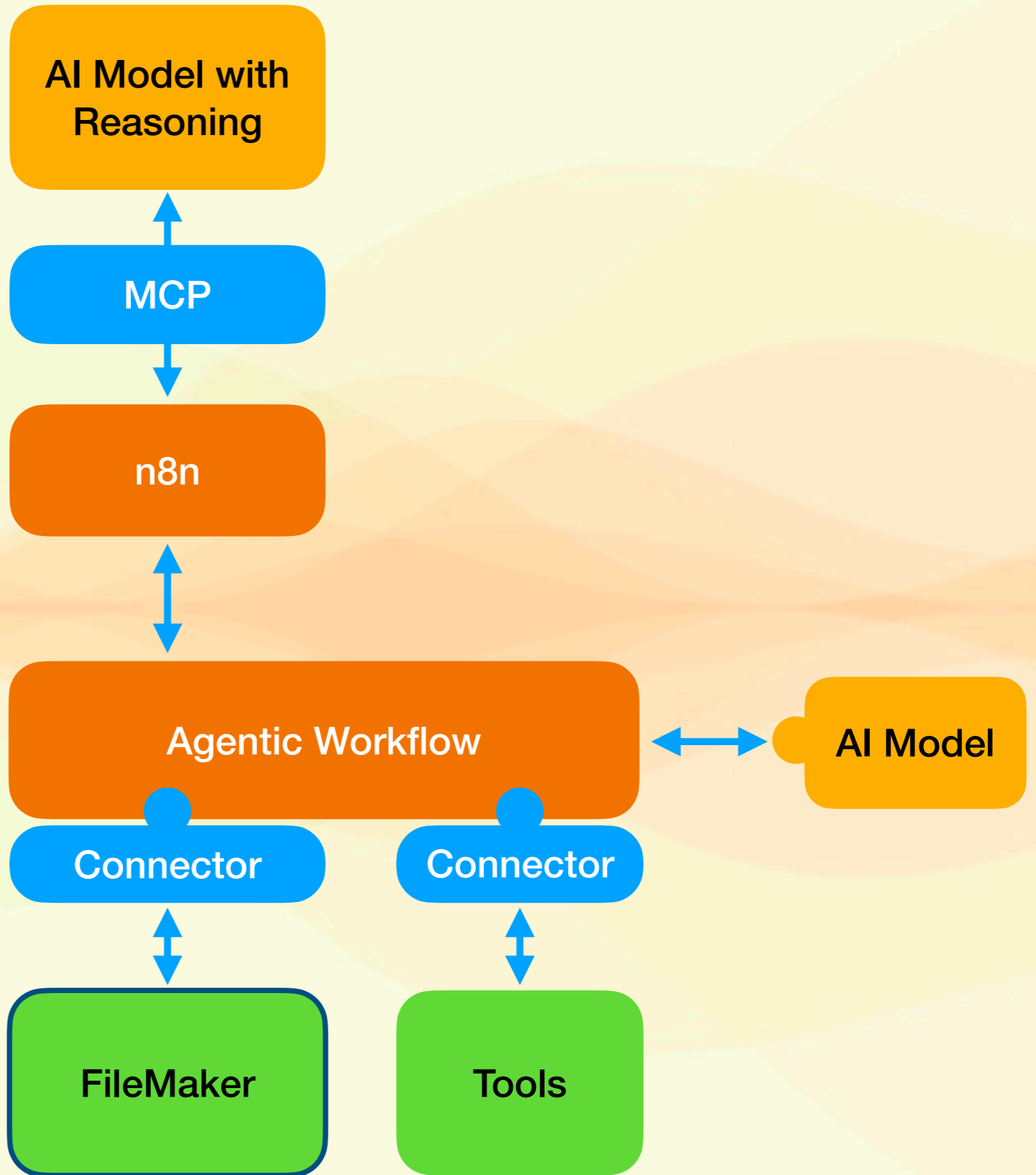
# Cooking



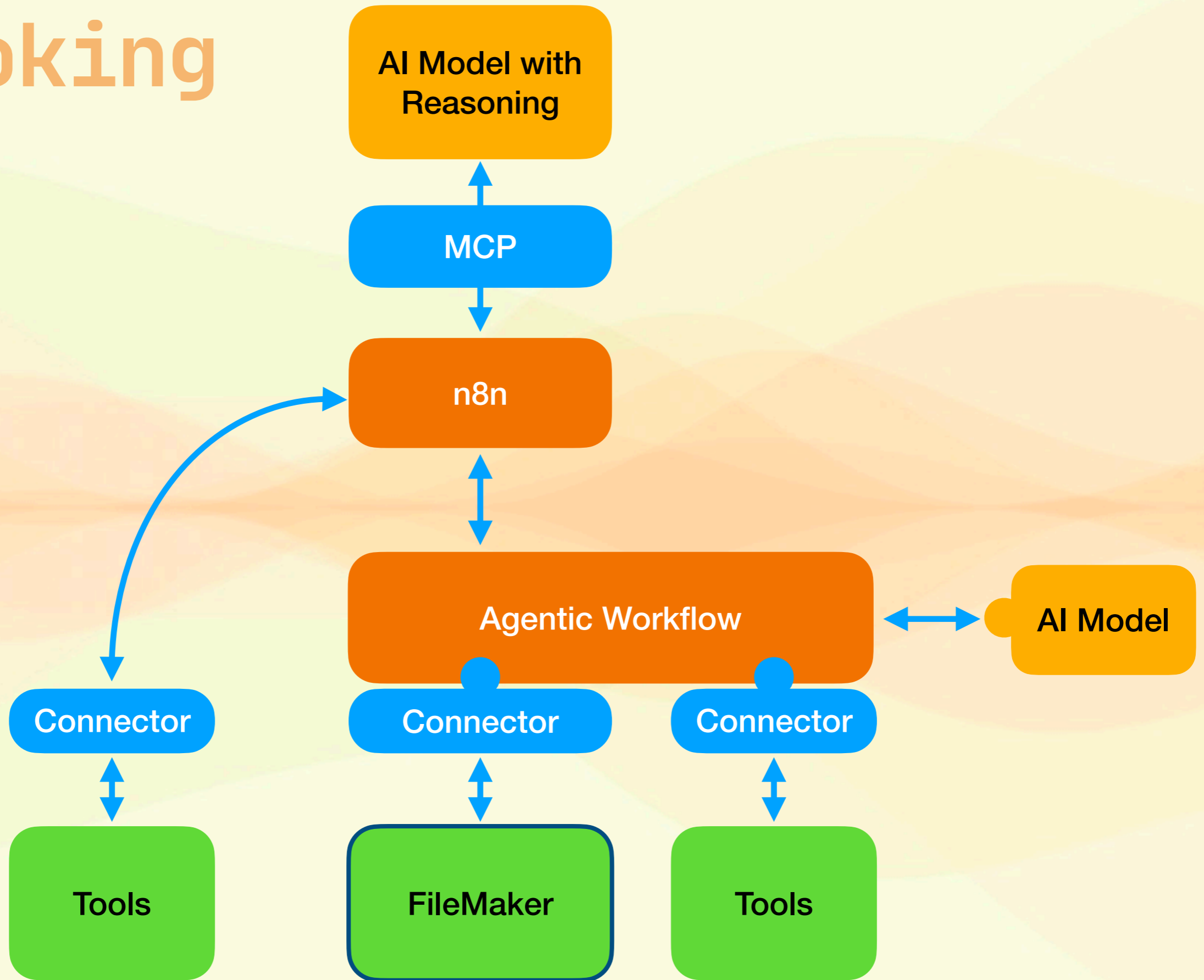
# Cooking



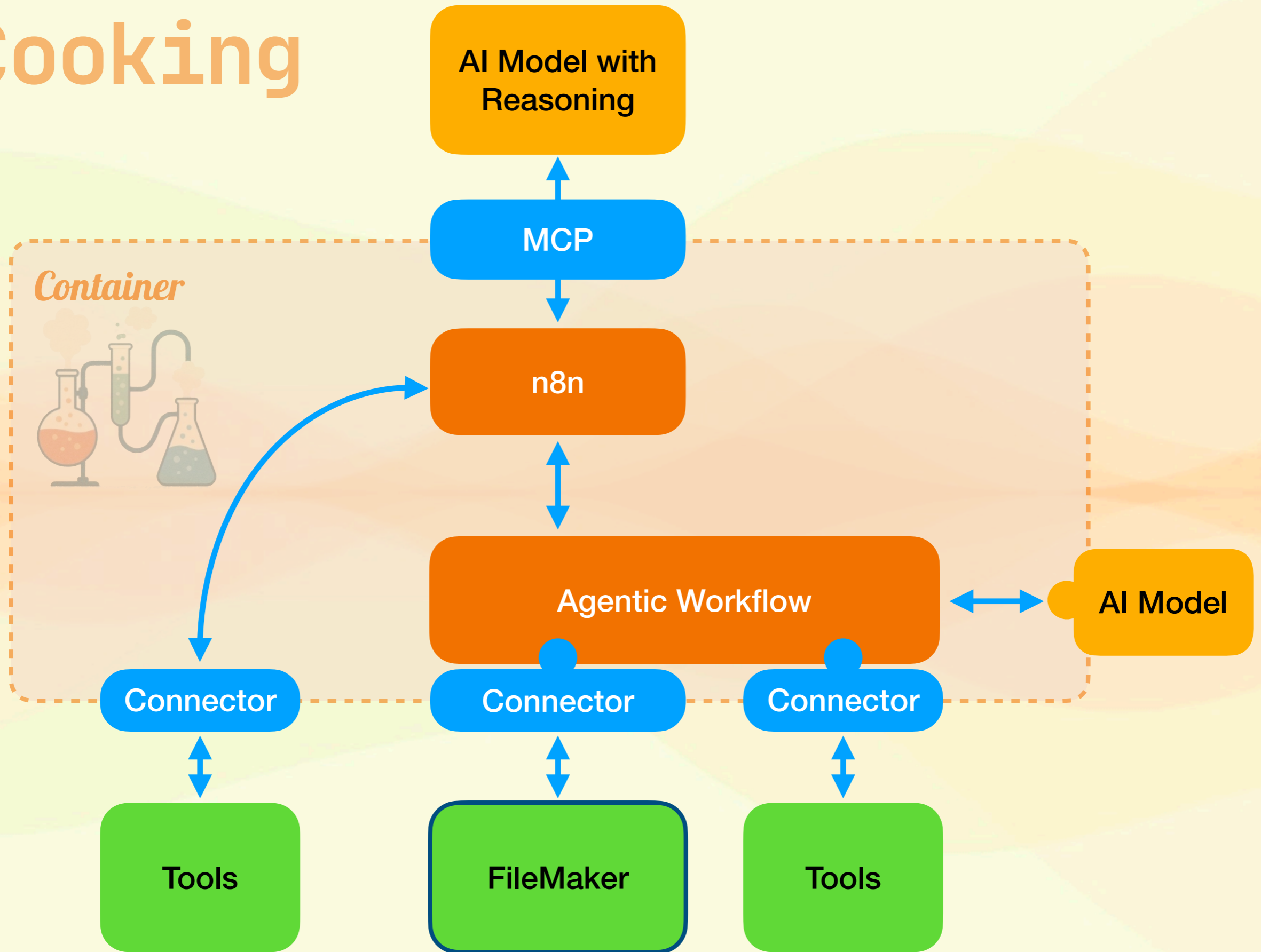
# Cooking



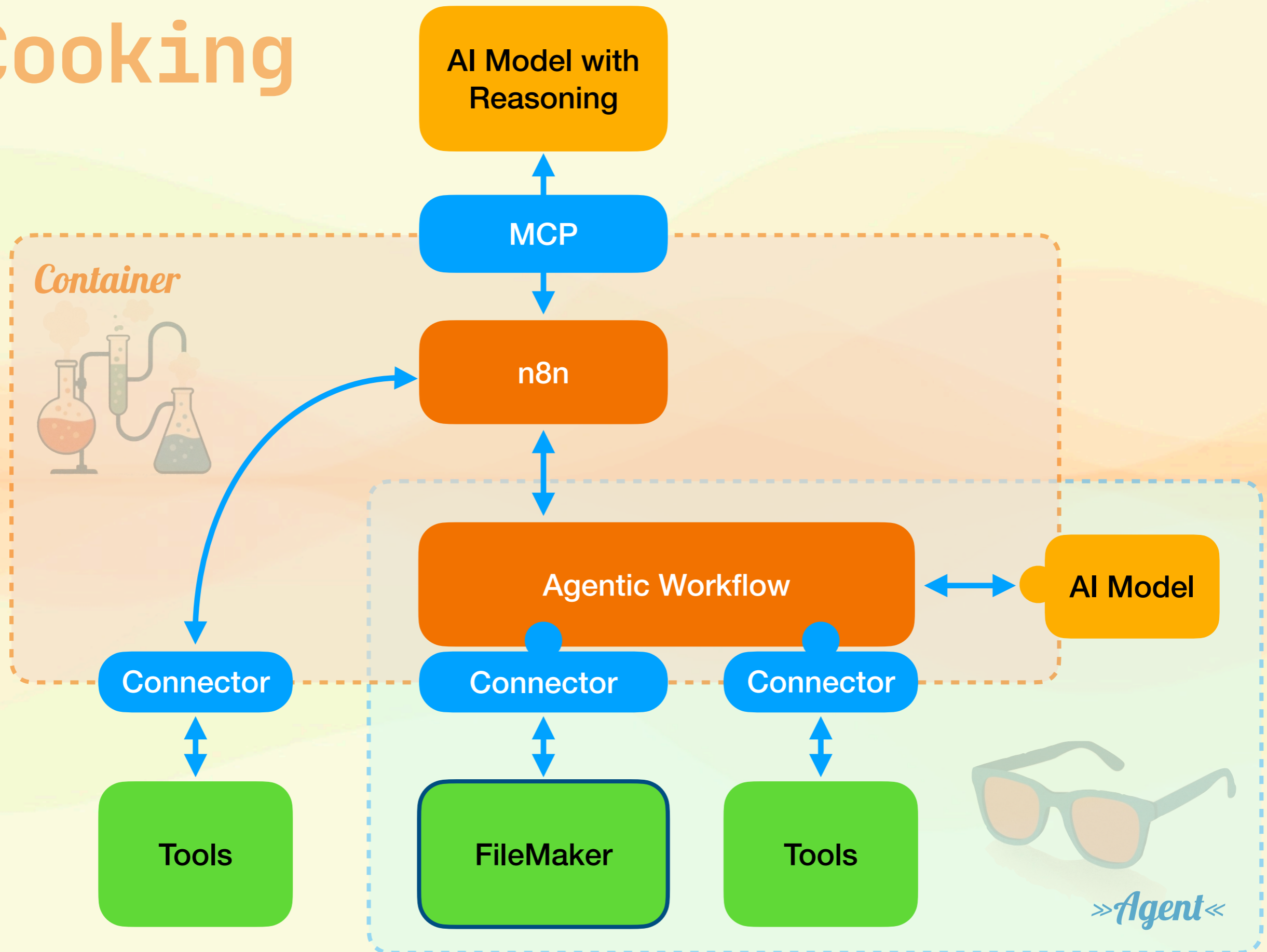
# Cooking



# Cooking

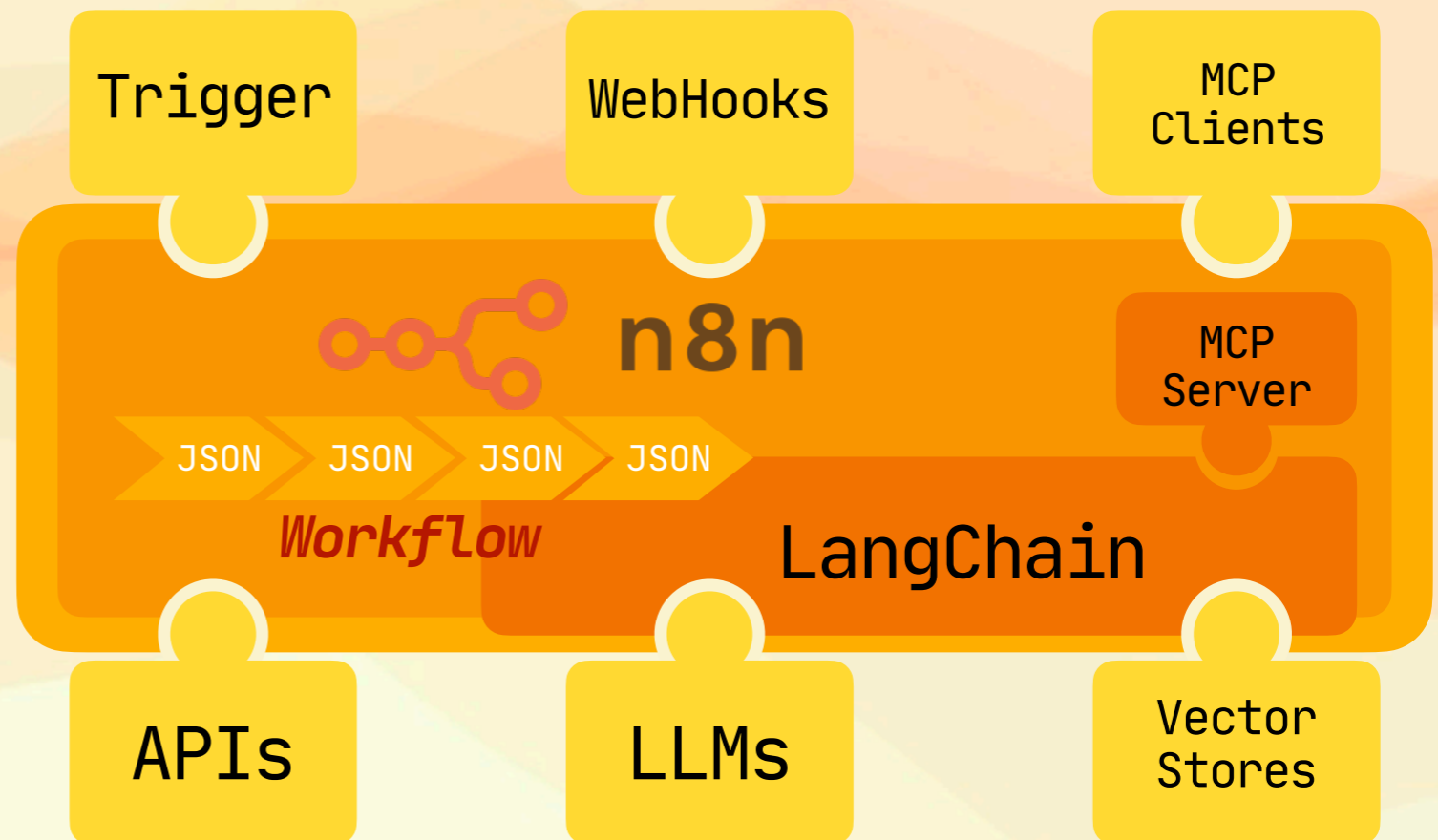
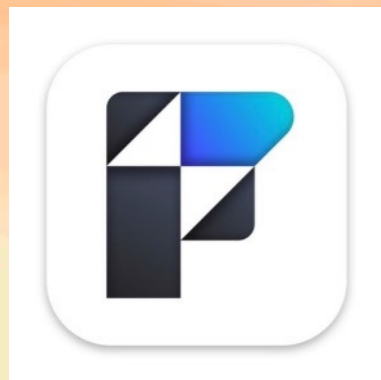


# Cooking

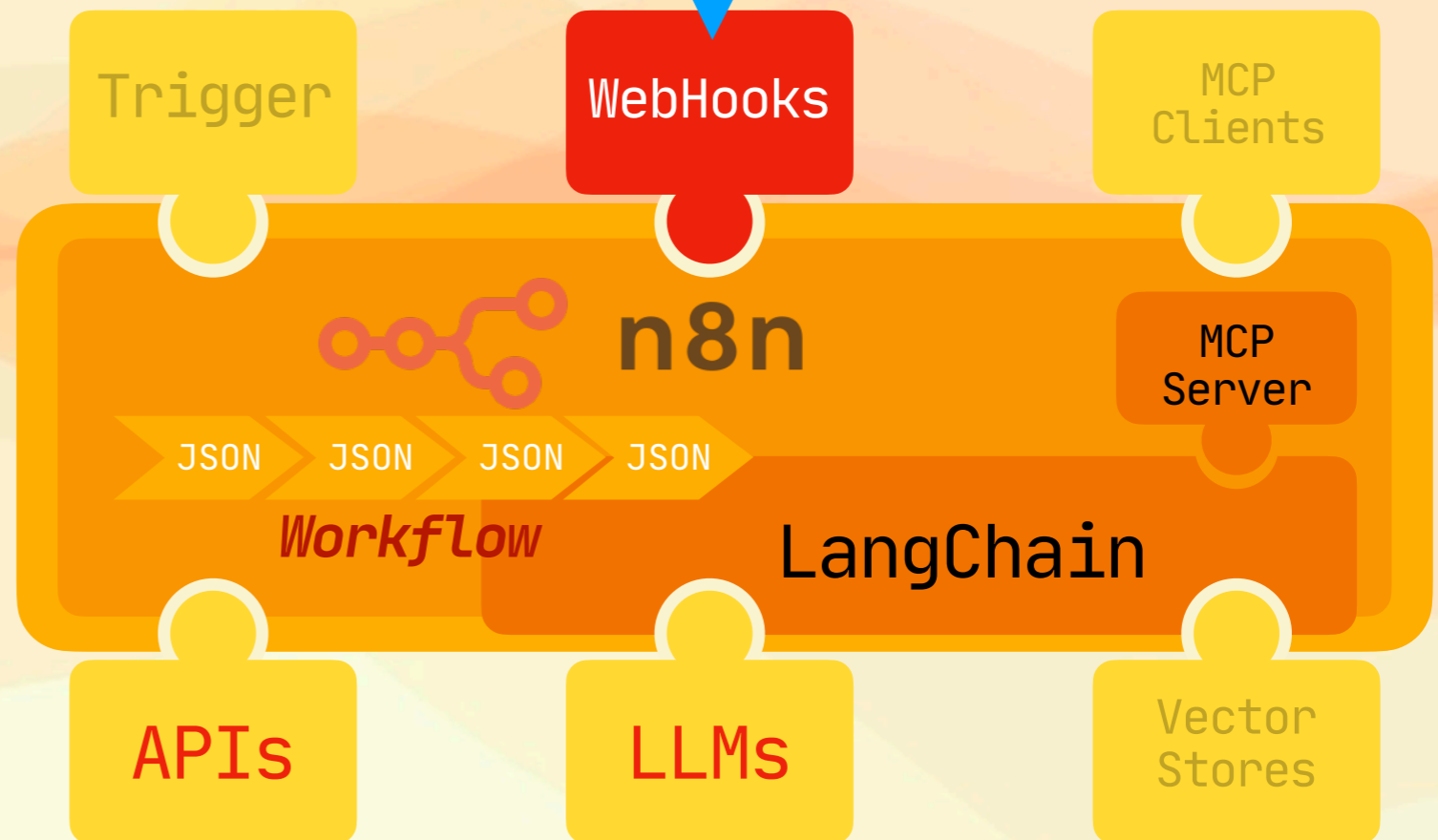
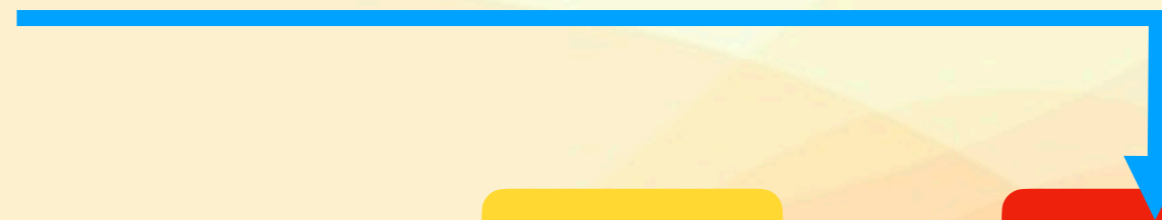
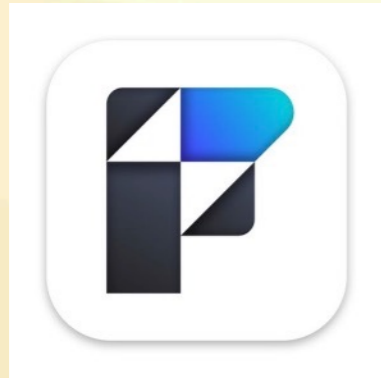


# Connecting FileMaker

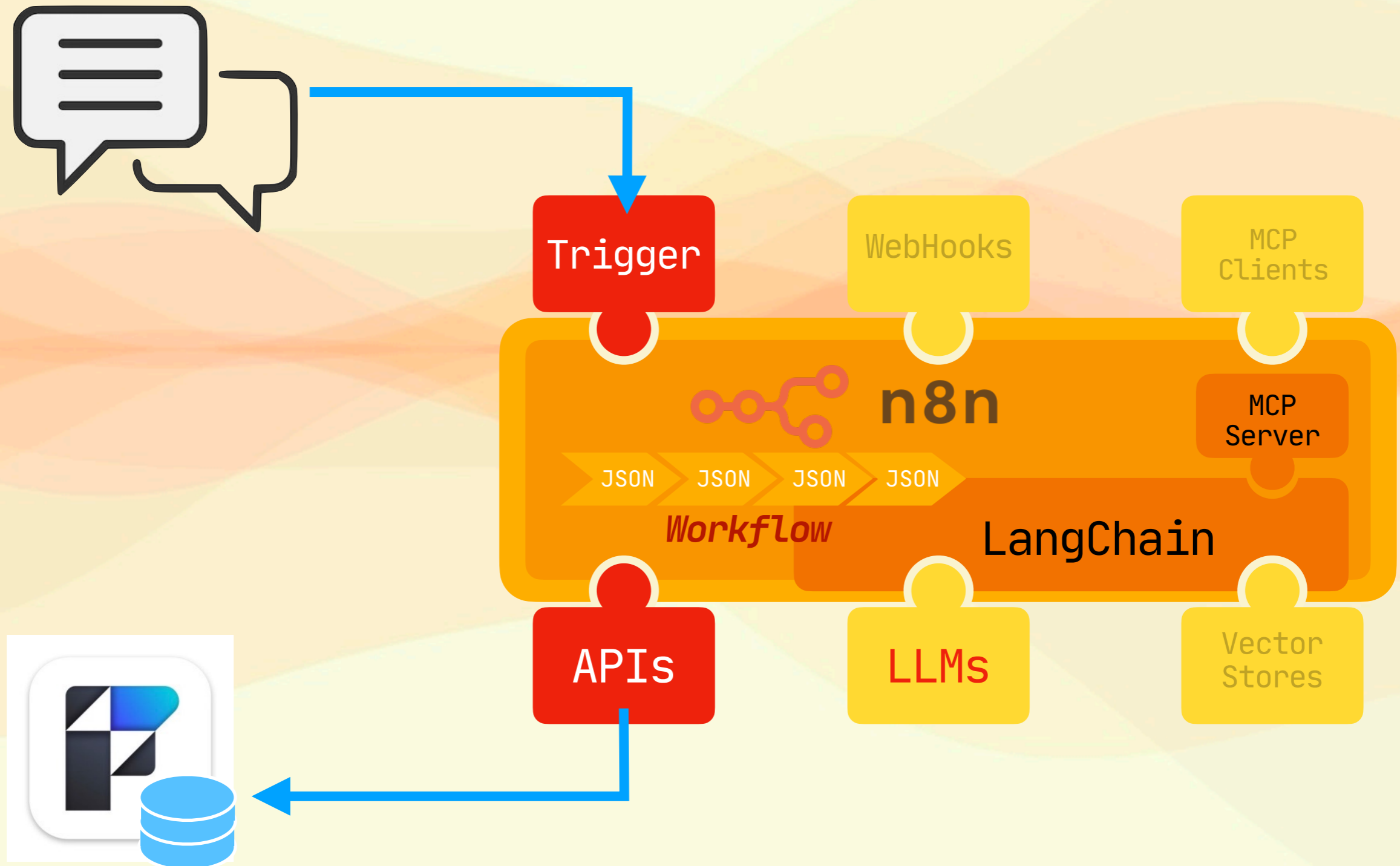
# Different types of interactions



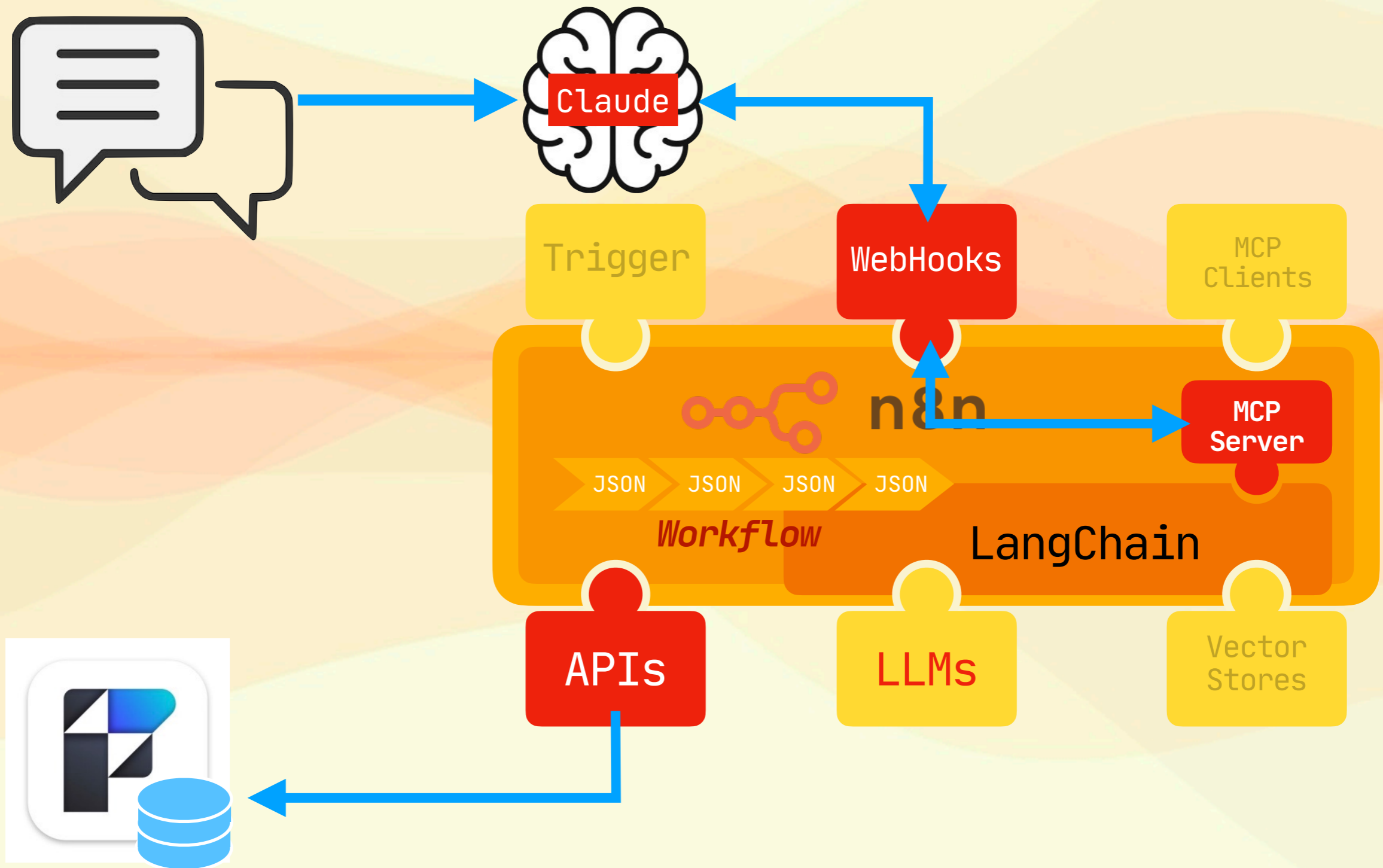
# 1. Calling a Workflow



## 2. FileMaker as part of a Workflow



# 3. FileMaker wrapped as an MCP Server



# FileMaker MCP

No Scripting, no JSON, no API engineering

Just saying:

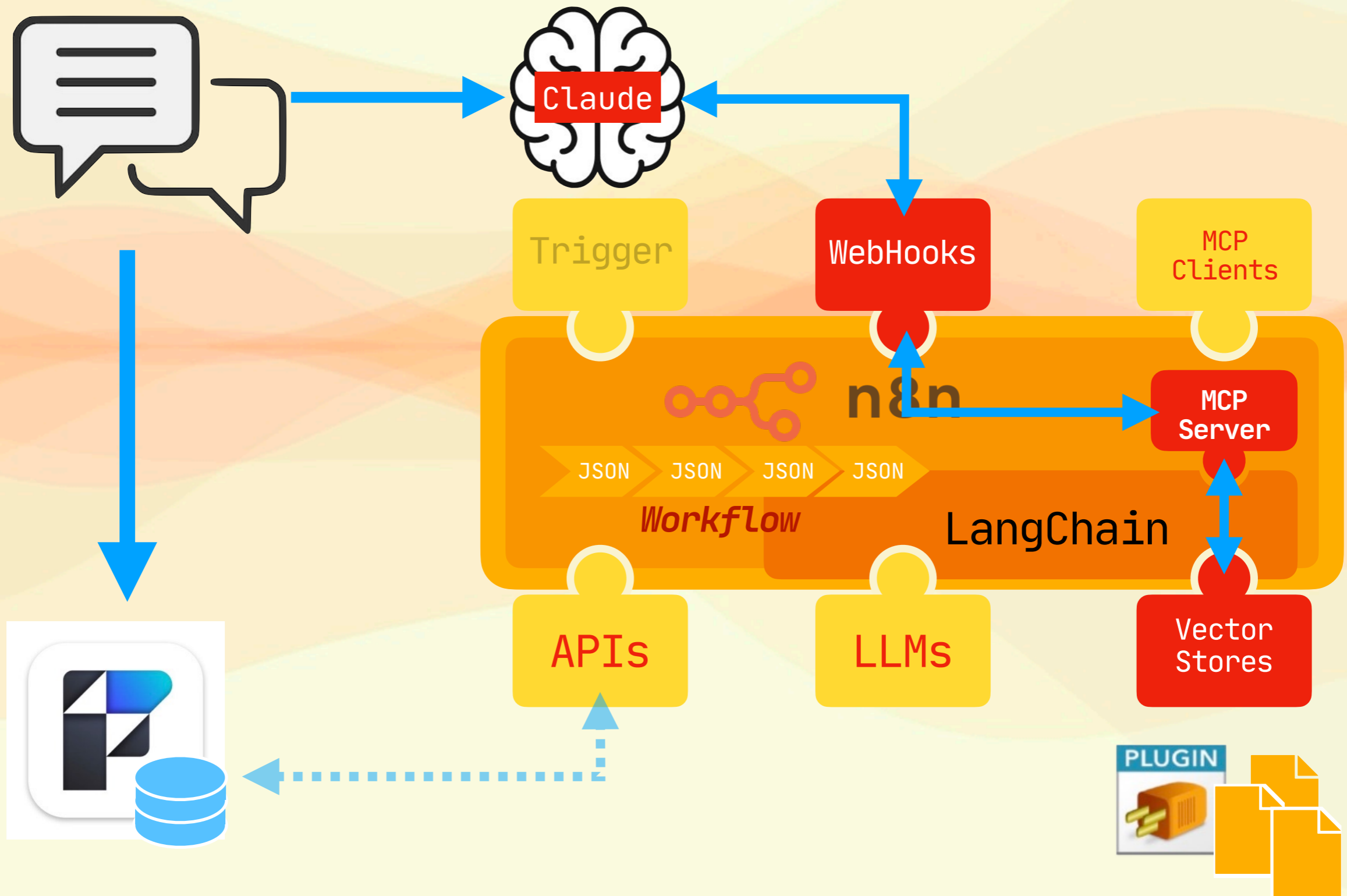
- This is what I have
- This is what I want
- Let the model figure out how to solve it

Abstracting away the technical pain

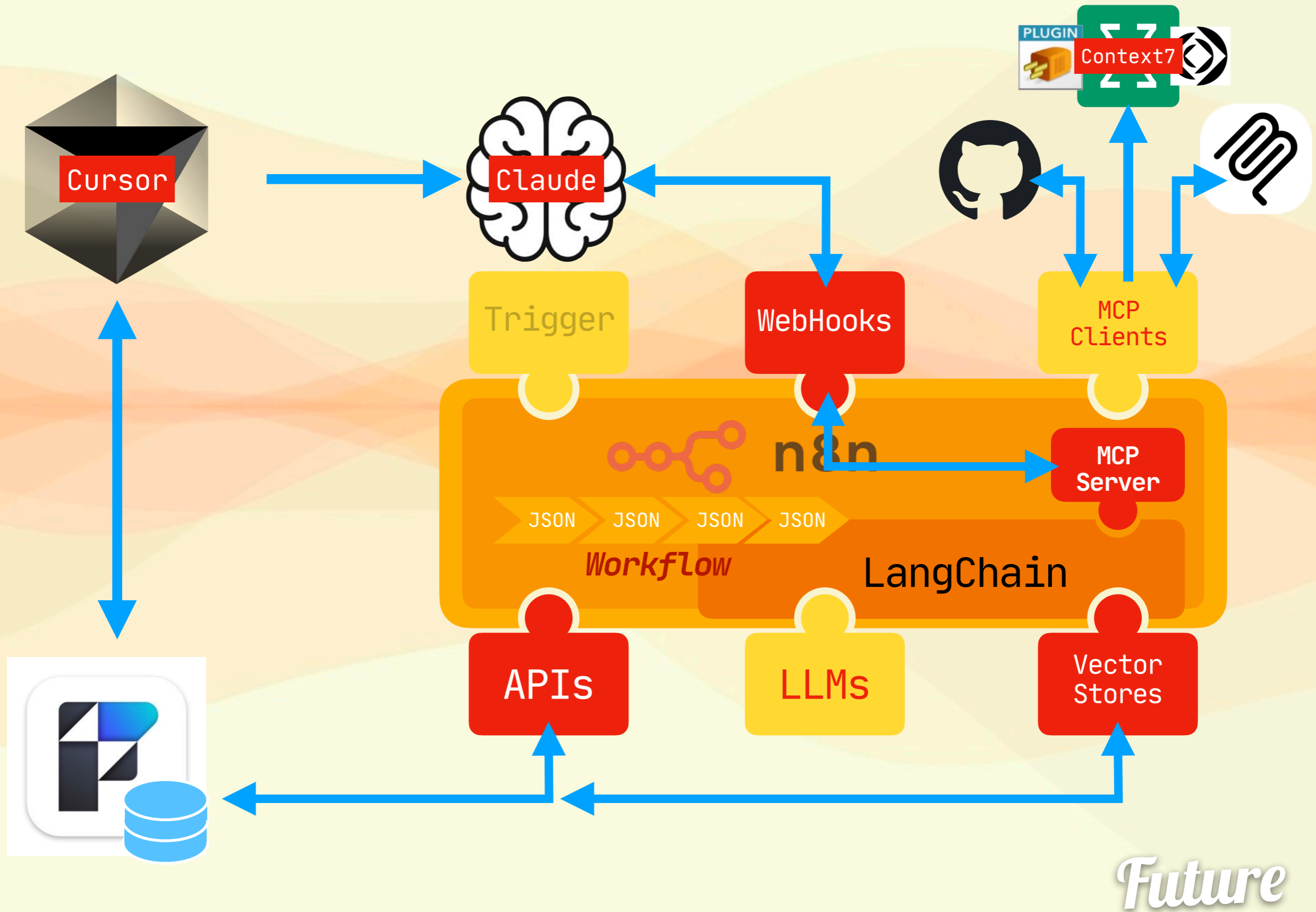
Just clear and straight language instructions

# 4. Code for FileMaker as an IDE

VibeCoding



# 5. fully integrated FileMaker IDE



# Key Takeaway

A green dragon with multiple heads and wings, breathing fire, set against a yellow background. The dragon is coiled around a large, light-colored object, possibly a treasure chest. The text is overlaid in the center of the image.

»»Al«« is a crazy beast!



**n8n's toolbox enables you  
to harness its power...**



**...and get on top of it  
to master the next level**

it's a lot of fun anyway....



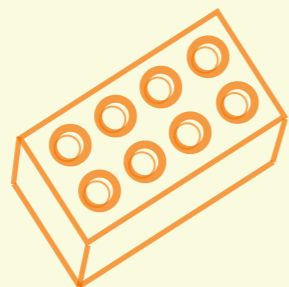
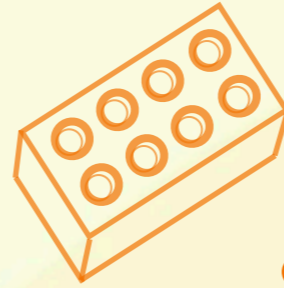
# MCP for the win!

easy abstraction....

# Tool-Chain

# Evolution of the Tool-Chain

- New architectures extend classic software dev / usage
- Solutions can be built on different abstraction layers
- Integrate your existing solutions
- models
- protocols
- content
- prompts
- wrappers
- new UI / UX



getting started

# Resources . . .



n8n Website <https://n8n.io/>

n8n Docs <https://docs.n8n.io/>

n8n Blog <https://blog.n8n.io/>

n8n github <https://github.com/n8n-io/n8n>

n8n Cloud <https://app.n8n.cloud/>

Self-hosting <https://docs.n8n.io/hosting/>

Self-hosted AI starter kit

<https://github.com/n8n-io/self-hosted-ai-starter-kit>

# Resources . . .

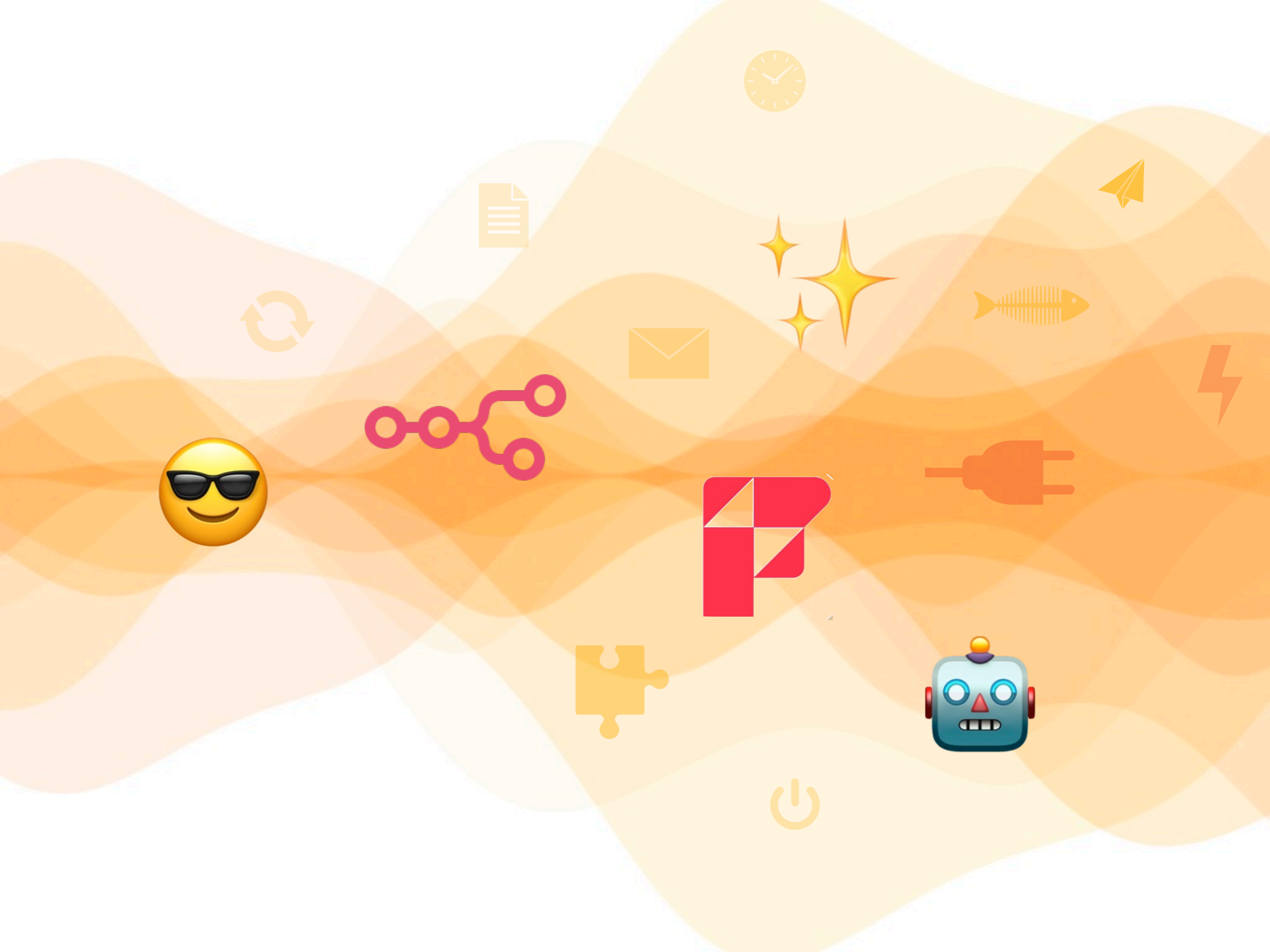
a ton of stuff on YouTube, LinkedIn, . . .

Have a look at my Blog: [blog.marcel-more.de](http://blog.marcel-more.de)

Slides of my first n8n presentation are available for download.

A recording of the Vienna Calling presentation will be available soon.

Let's discuss!





thank you!

# Q & A

