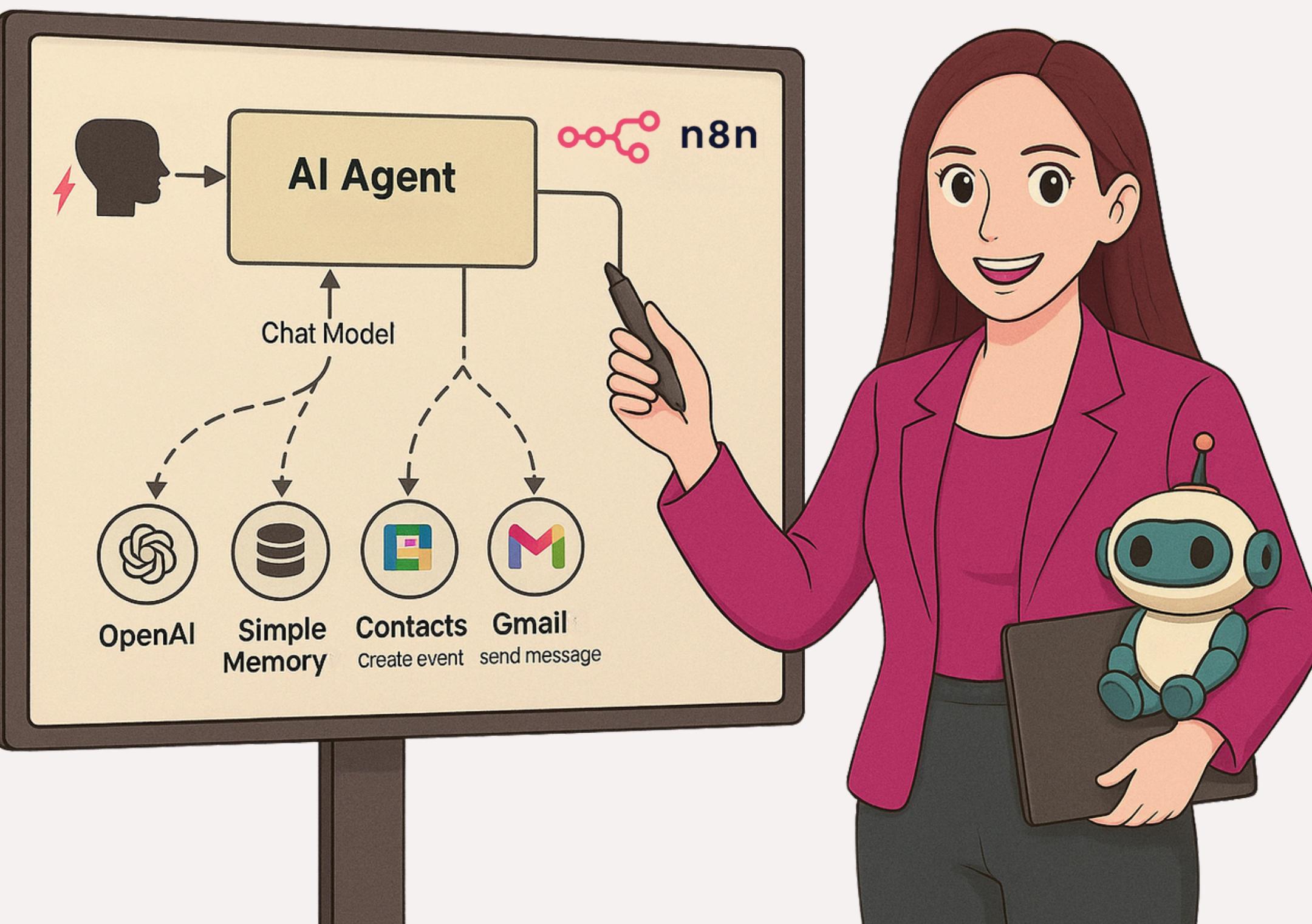
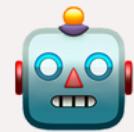


8 AI AGENTS ARCHITECTURES

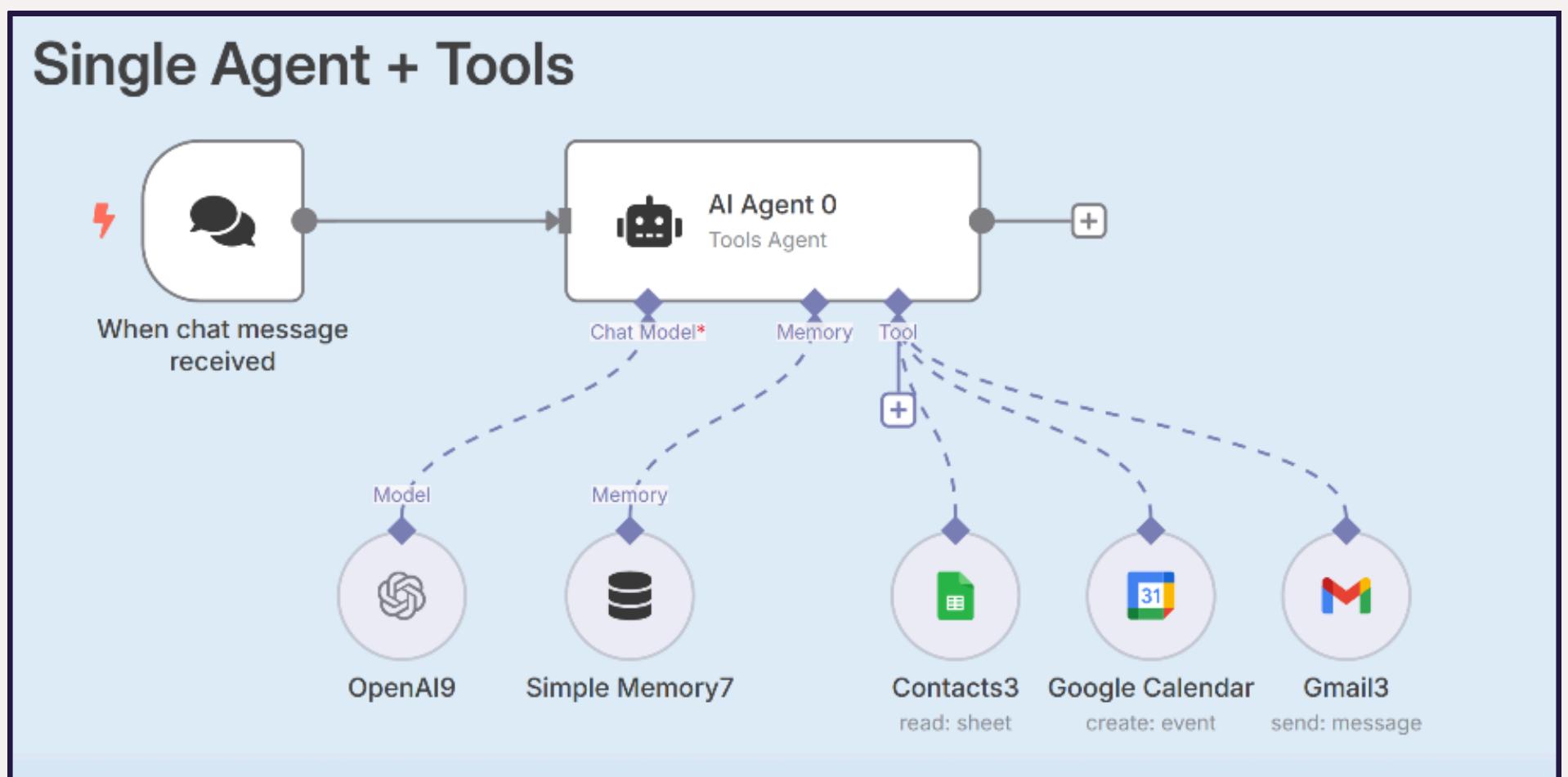
you must know about





1. AI Agent using tools

Based on a chat message, it can plan its actions:
access my contacts, send emails, or send invitations

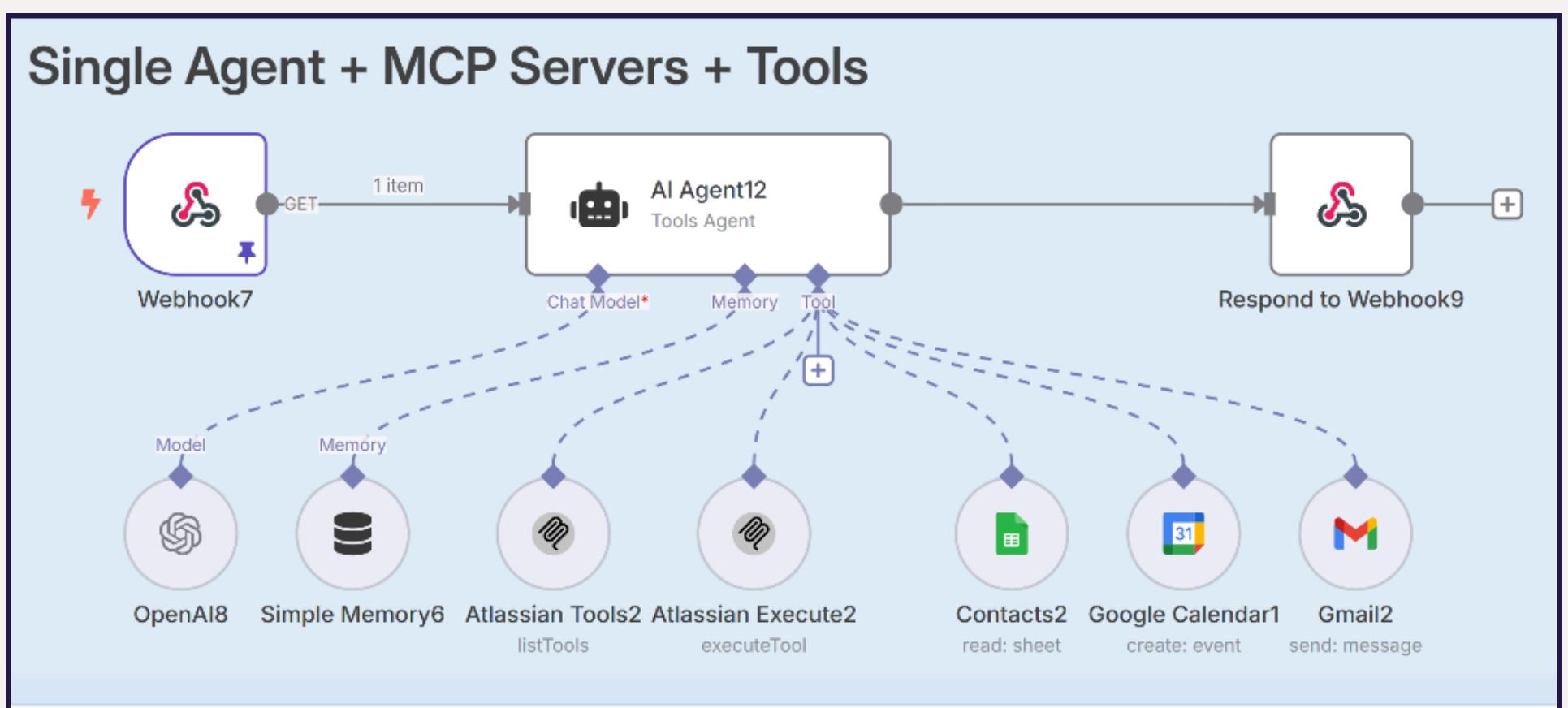


Source: <https://www.productcompass.pm/p/ai-agent-architectures>



2. Mixing tools with MCP servers

initialized by another app through a webhook with an MCP server for Atlassian and ready-to-use tools for other interactions

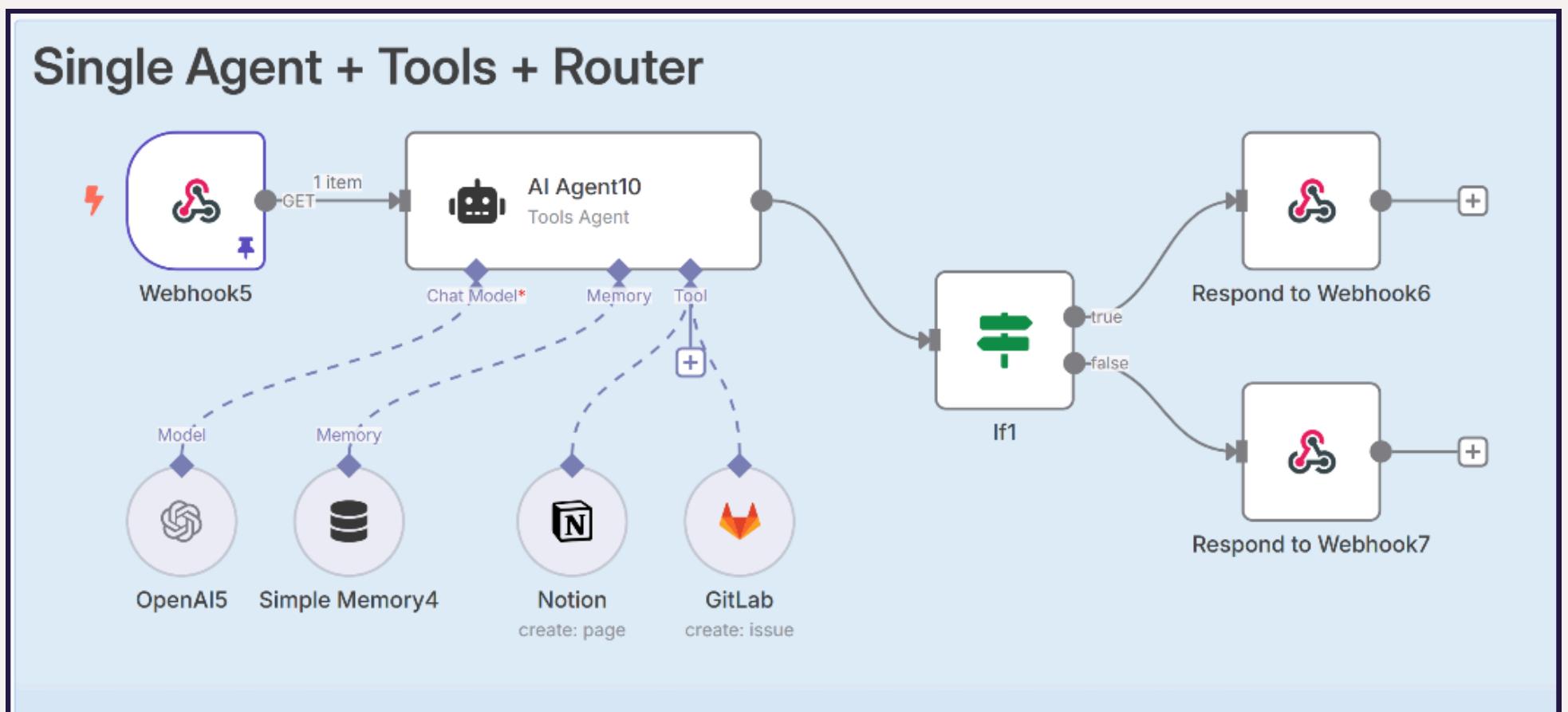


Source: <https://www.productcompass.pm/p/ai-agent-architectures>



3. Agentic workflow with a router

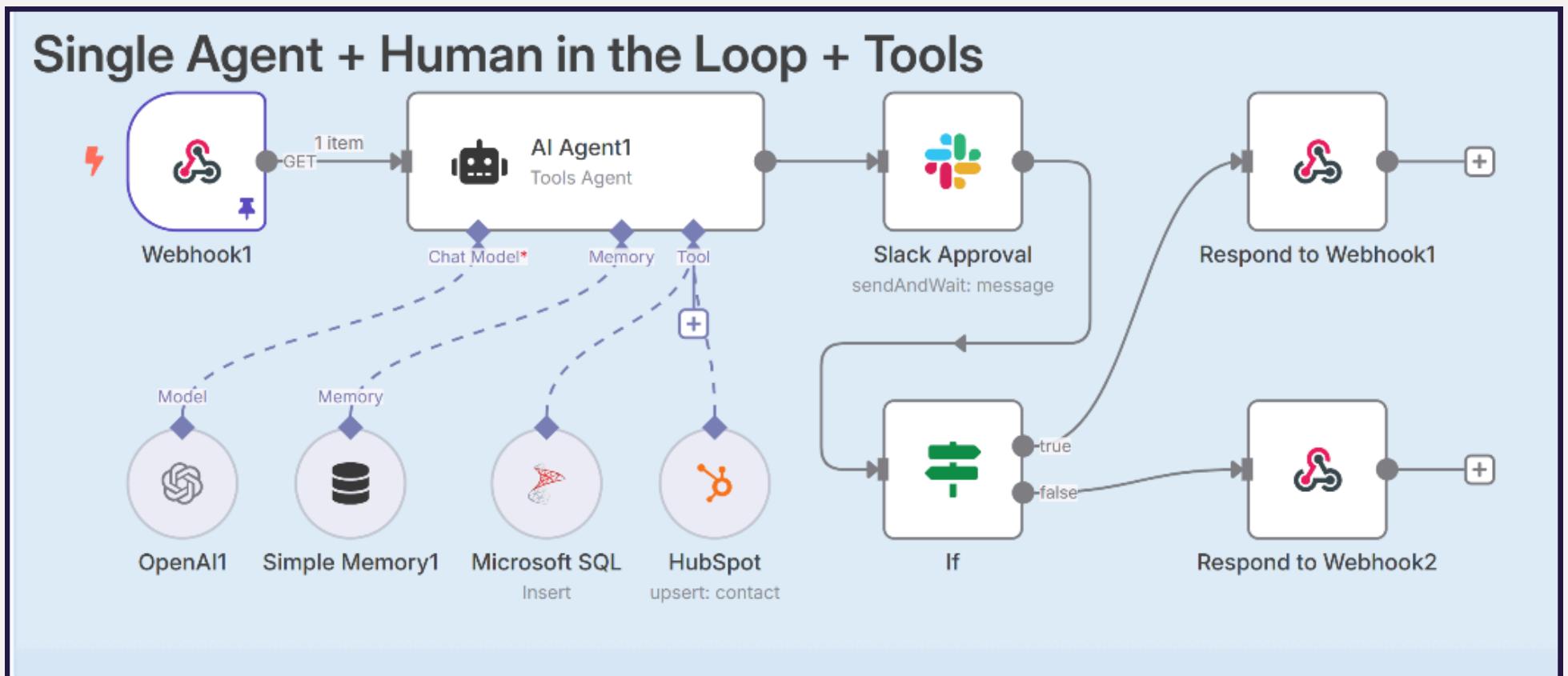
a fancy name for a condition



Source: <https://www.productcompass.pm/p/ai-agent-architectures>

4. AI Agent with a human in the loop

asking for a Slack approval

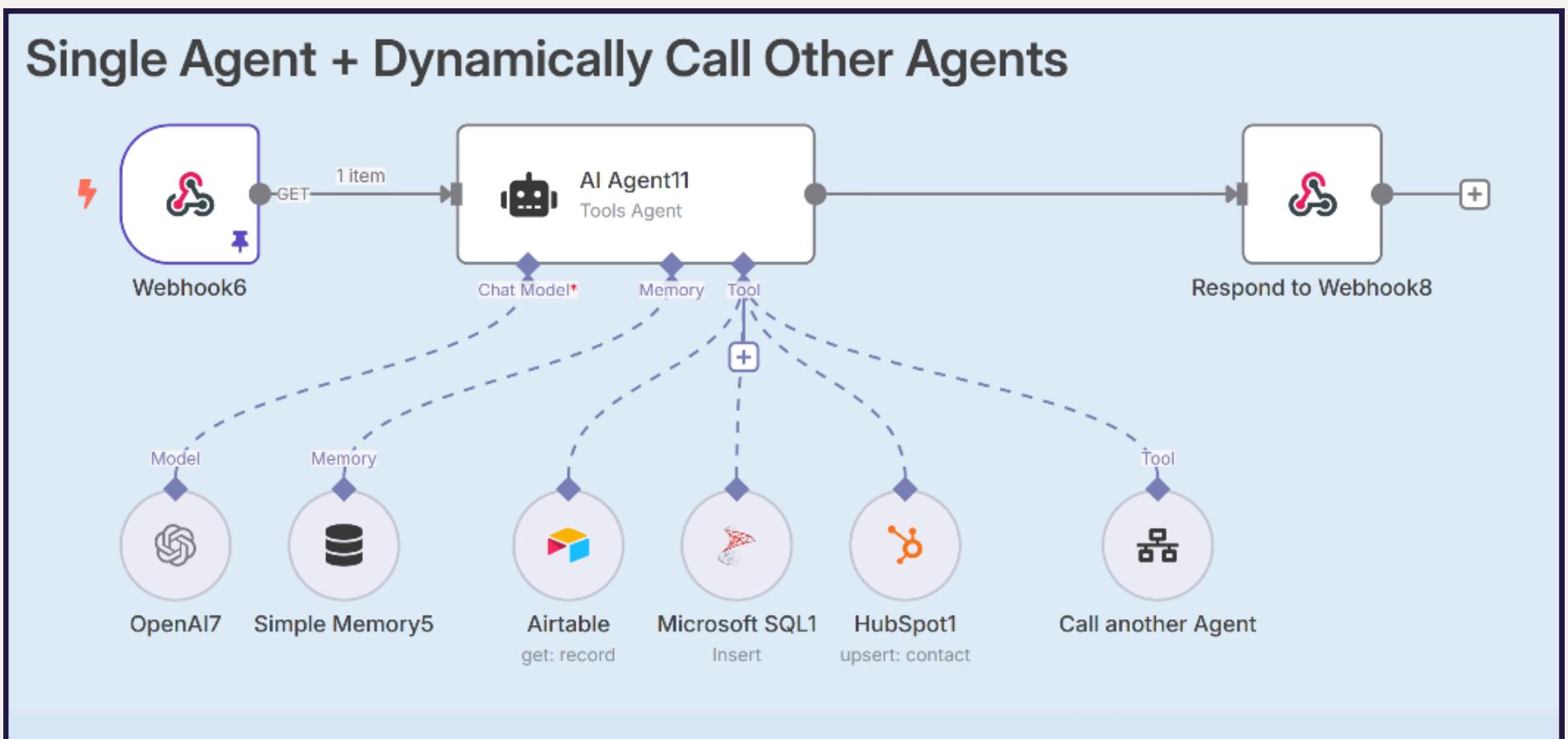


Source: <https://www.productcompass.pm/p/ai-agent-architectures>

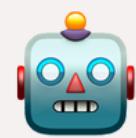


5. AI Agent dynamically calling other agents

an agent autonomously decides whether it needs to call another AI

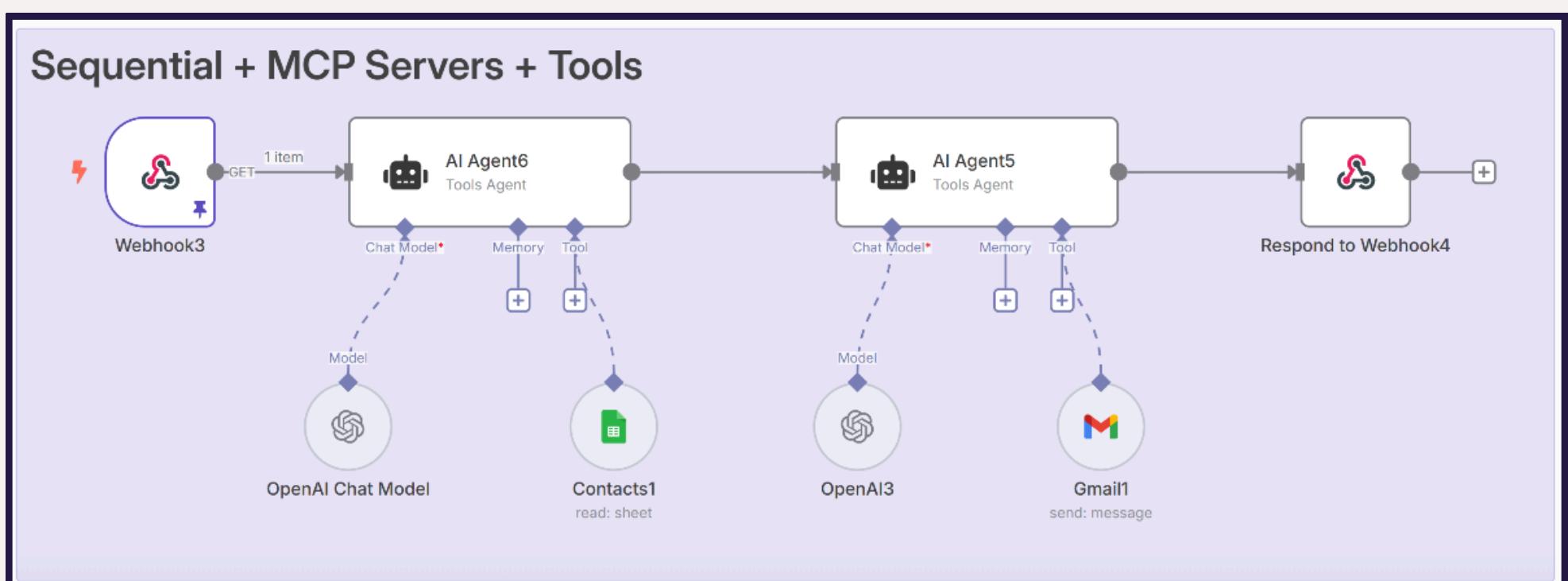


Source: <https://www.productcompass.pm/p/ai-agent-architectures>



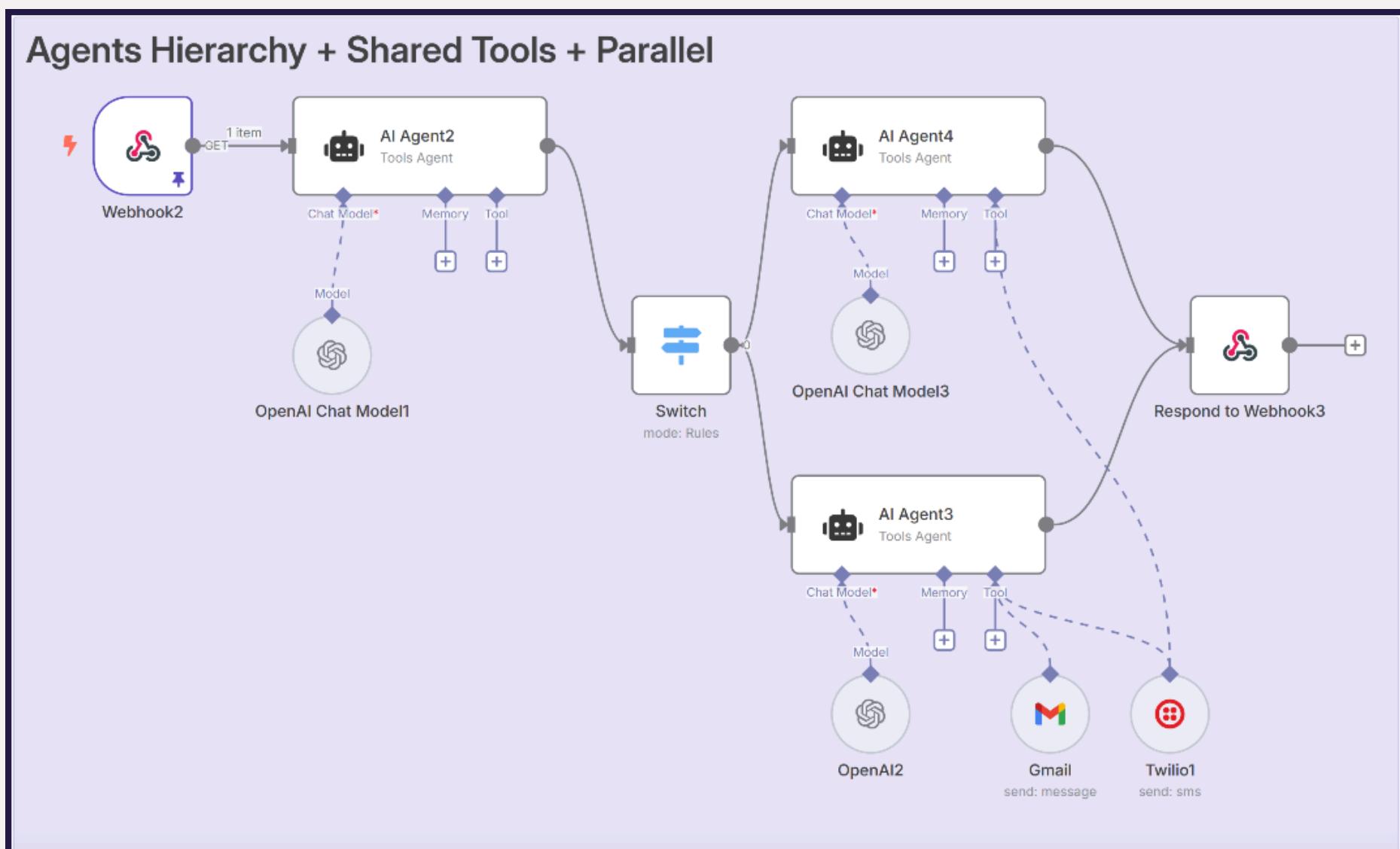
5. AI Agents working sequentially

the first agent reads contacts to clarify the prompt, another one sends an email to the identified person



Source: <https://www.productcompass.pm/p/ai-agent-architectures>

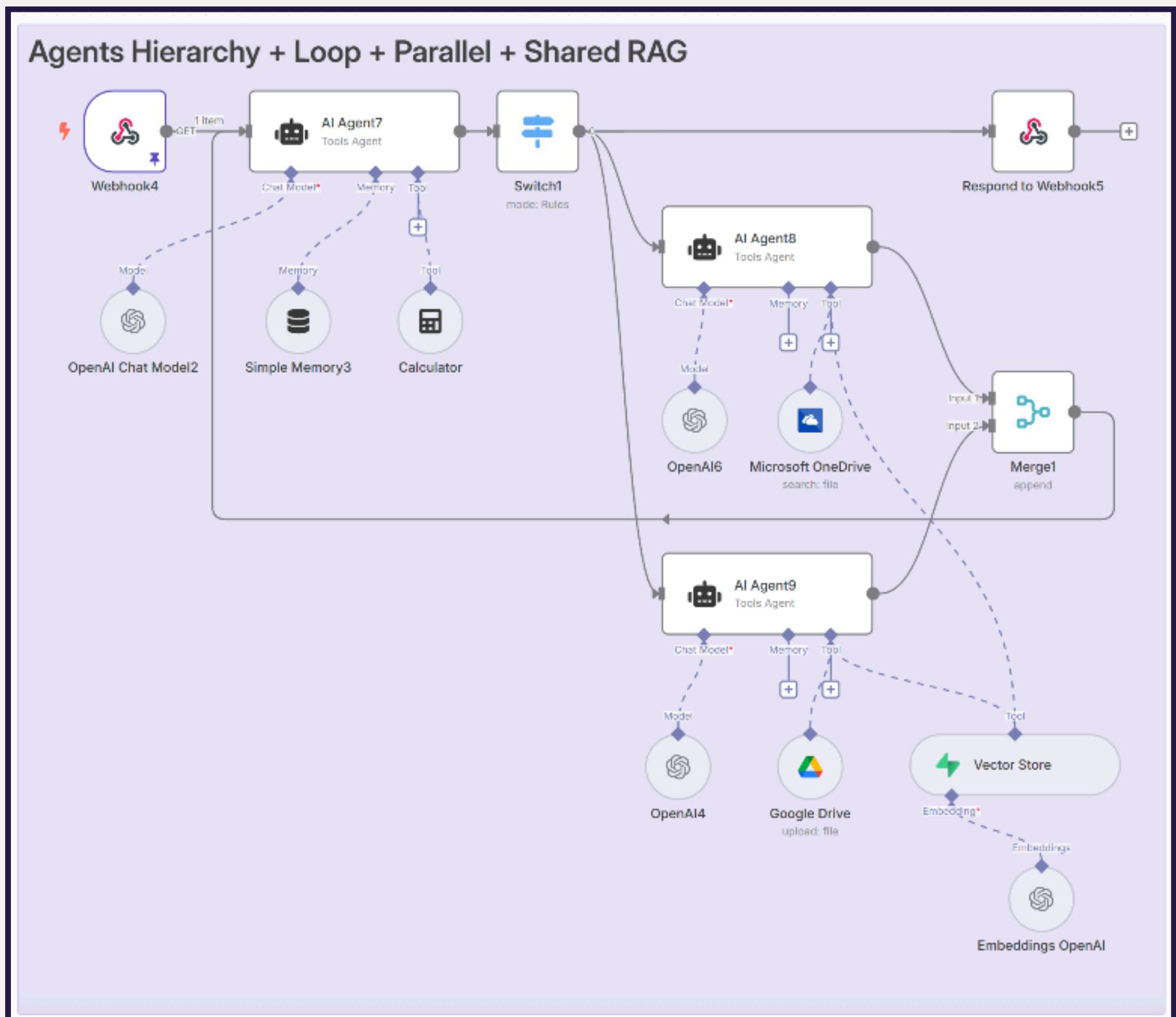
6. Agents' hierarchy with parallel execution and shared tools (Twilio)



Source: <https://www.productcompass.pm/p/ai-agent-architectures>

8. Agents' hierarchy with a loop and shared RAG

they perform search in parallel, next the data is merged



Joanna Stoffregen

Labsbit.ai



Credits to Pawel !

Highly suggest to subscribe to his substack,
to also get the n8n workflow templates!

AI PRODUCT MANAGEMENT

AI Agent Architectures: The Ultimate Guide With n8n Examples

8 AI Agent Configurations. 9 Best Practices. 11 Agent Prompting Principles. 3 Agentic RAG Architectures. No Coding.



PAWEŁ HURYN

MAY 10, 2025 • PAID

Source: www.productcompass.pm/p/ai-agent-architectures



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I'm Joanna from Labsbit.ai

An AI Product Development Studio



We build and deploy production
grade AI agents

Let's talk !