

Kodla, Görevlendirir, Keşfet: Agentic AI MCP & Langflow

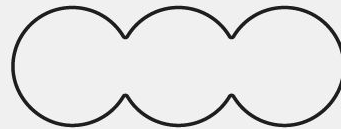


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Build  with AI

Neler Konuşacağız?

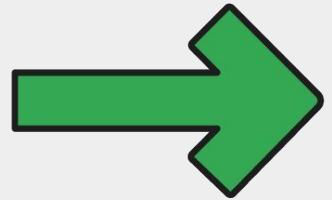
- 1 Agent Nedir ve Nasıl Çalışır ?
- 2 Agent'in beyni LLM
- 3 Araçlar ve Aksiyon Almak
- 4 Agent Workflow & MCP
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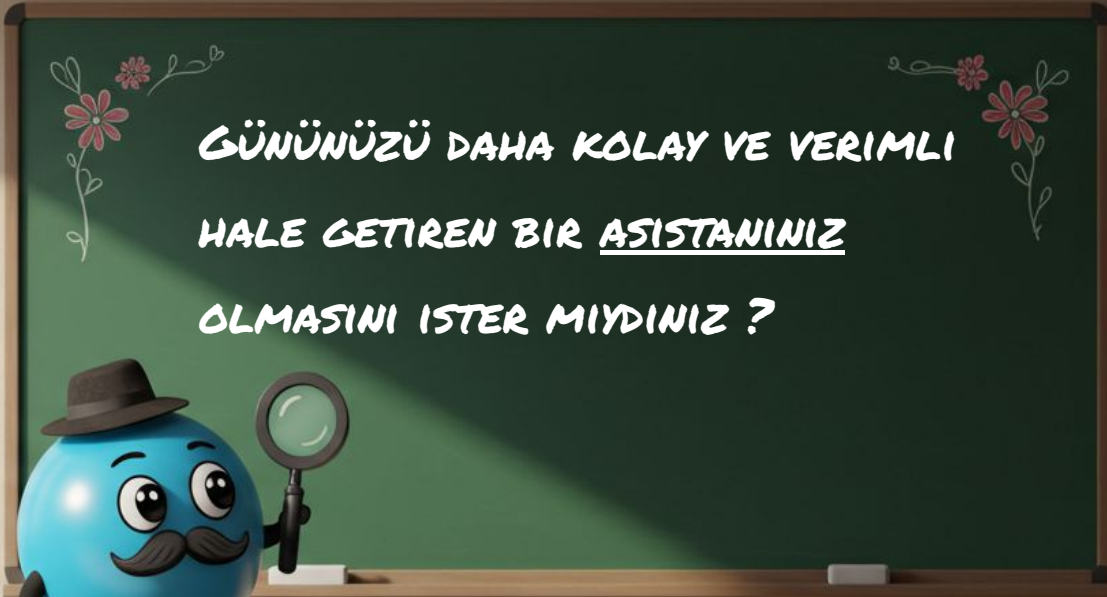
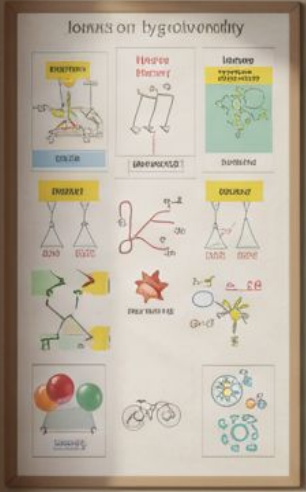


Chapter One

Agent Nedir ? Nasıl Çalışır ?

AMA BUNLAR HER HALTTAN ANLIYOR ÇOK TEHLİKELİ BUNLAR :)

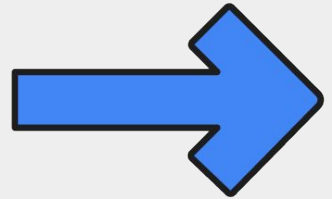




Agent'in Beyni

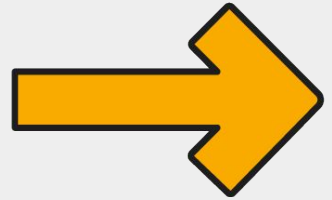
LLM

BUNLAR ÇOK TEHLİKELİ KESİNLİKLE BİZİ ELE GEÇİRECEKLER :)

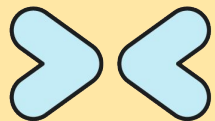


Araçlar ve Aksiyon Almak

Agent'in **alet** çantası ile işi halletmesi için lazım :)



Tools and Actions

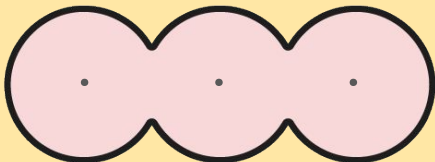


Writing

Note Taking
(Long Memory)

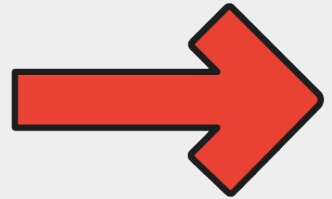
Call, Web Search,
Calculator, Image Gen

Call, Research, Web Search,
Manufacturing, Soldering,
Repair, API, Image Gen



Agent Workflow

AGENT İLE ALEMLERE MI AKIYORUZ, İŞE MI AKIYORUZ :)



ReAct

ReAct: Synergizing Reasoning
and Acting in Language
Models

(1) Hotspot QA

Question: Aside from the Apple Remote, what other device can control the program Apple Remote was originally designed to interact with?

(1a) Standard

Answer: iPod



(1b) CoT (Reason Only)

Thought: Let's think step by step. Apple Remote was originally designed to interact with Apple TV. Apple TV can be controlled by iPhone, iPad, and iPod Touch. So the answer is iPhone, iPad, and iPod Touch.

Answer: iPhone, iPad, iPod Touch



(1c) Act-Only

Act 1: Search[Apple Remote]

Obs 1: The Apple Remote is a remote control ...

Act 2: Search[Front Row]

Obs 2: Could not find [Front Row]. Similar: ...

Act 3: Search[Front Row (software)]

Obs 3: Front Row is a discontinued media center software ...

Act 4: Finish[yes]



ReAct

ReAct: Synergizing Reasoning and Acting in Language Models

(1d) ReAct (Reason + Act)

Thought 1: I need to search Apple Remote and find the program it was originally designed to interact with.

Act 1: `Search[Apple Remote]`

Obs 1: The Apple Remote is a remote control introduced in October 2005 by Apple ... originally designed to control the Front Row media center program ...

Thought 2: Apple Remote was originally designed to control the Front Row media center program. I need to search Front Row next and find what other device can control it.

Act 2: `Search[Front Row]`

Obs 2: Could not find [Front Row]. Similar: ['Front Row Seat to Earth', 'Front Row Motorsports', 'Front Row (software)', ...]

Thought 3: Front Row is not found. I need to search Front Row (software) .

Act 3: `Search[Front Row (software)]`

Obs 3: Front Row is a discontinued media center software ...

Thought 4: Front Row (software) is controlled by an Apple Remote or the keyboard function keys. So the answer is keyboard function keys.

Act 4: `Finish[keyboard function keys]`



ReAct

ReAct: Synergizing Reasoning
and Acting in Language
Models

(2) AlfWorld

You are in the middle of a room. Looking quickly around you, you see a cabinet 6, a cabinet 1, a coffee machine 1, a countertop 3, a stove burner 1, and a toaster 1.
Your task is to: Put some pepper shaker on a drawer.

(2a) Act-Only

Act 1: Go to drawer 1

Obs 1: The drawer 1 is closed.

Act 2: Open drawer 1

Obs 2: You open the drawer 1. The drawer 1 is open. In it, you see a dish sponge 2, and a spoon 1.

Act 3: Go to sinkbasin 1

Obs 3: On the sinkbasin 1, you see a dish sponge 3, a spatula 1, and a spoon 2.

Act 4: Take peppershaker 1 from sinkbasin 1

Obs 4: Nothing happens.

Act 5: Take peppershaker 1 from sinkbasin 1

Obs 5: Nothing happens.



ReAct

ReAct: Synergizing Reasoning
and Acting in Language
Models

(2b) ReAct (Reason + Act)

Act 1: **Think**[First I need to find a pepper shaker...more likely to appear in cabinets (1-6), countertops (1-3), ...]

Act 2: Go to cabinet 1

Obs 2: On the cabinet 1, you see a vase 2.

(Here the agent go to cabinet 1, then cabinet 2, 3, then countertop 1 and 2)

Act 6: Go to countertop 3

Obs 6: On the countertop 3, you see a apple 1, a bread 1, a pepper shaker 1, and a vase 3.

Act 7: Take pepper shaker 1 from countertop 3

Obs 7: You pick up the pepper shaker 1 from the countertop 3.

Act 8: **Think**[Now I find a pepper shaker 1. Next, I need to put it in/on drawer 1.]

Act 9: Go to drawer 1

Obs 9: Drawer 1 is closed.

Act 10: Open drawer 1

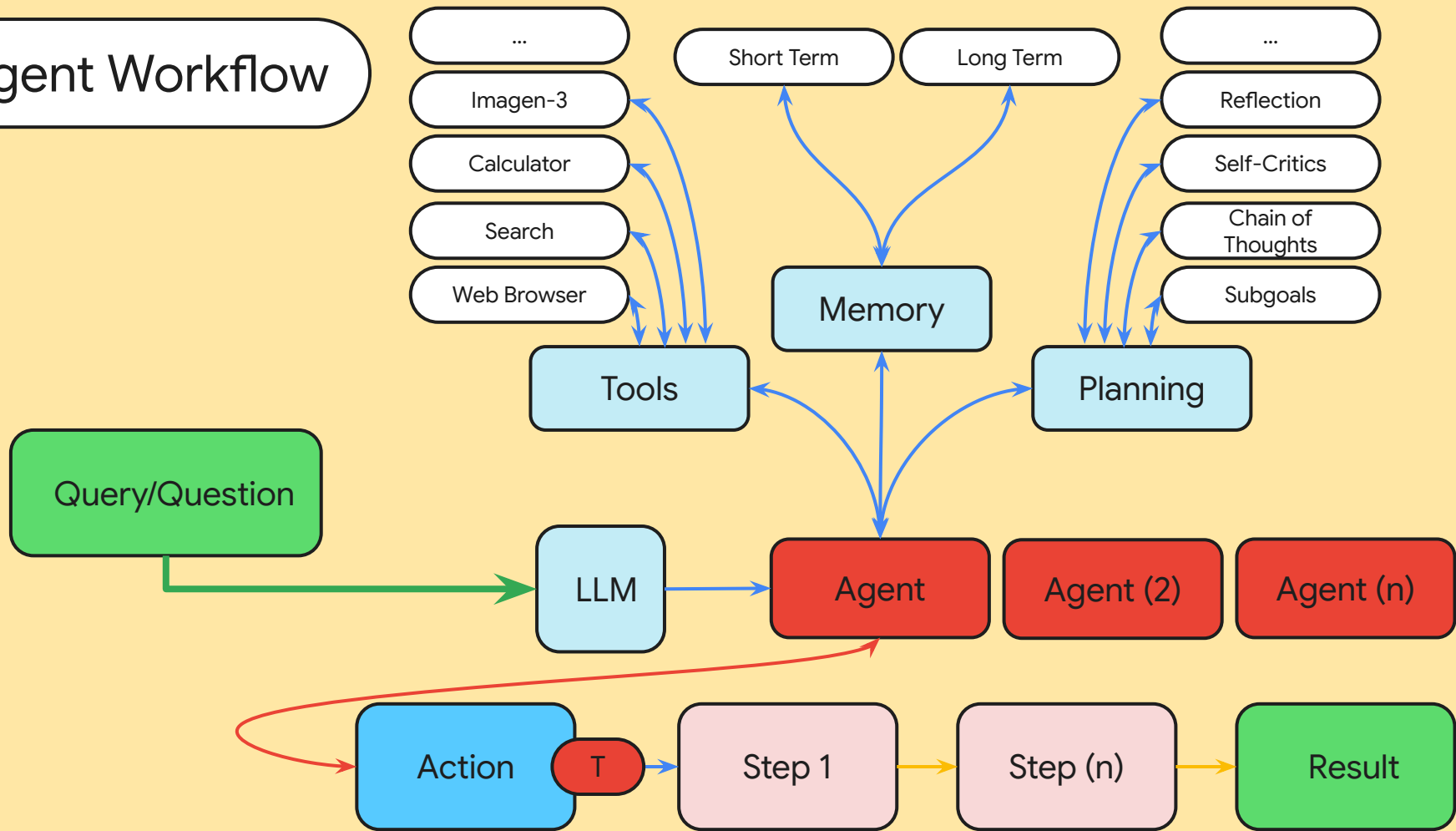
Obs 10: You open Drawer 1 ...

Act 11: Put pepper shaker 1 in/on drawer 1

Obs 11: You put pepper shaker 1 in/on the drawer 1.



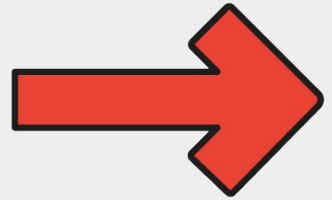
Agent Workflow



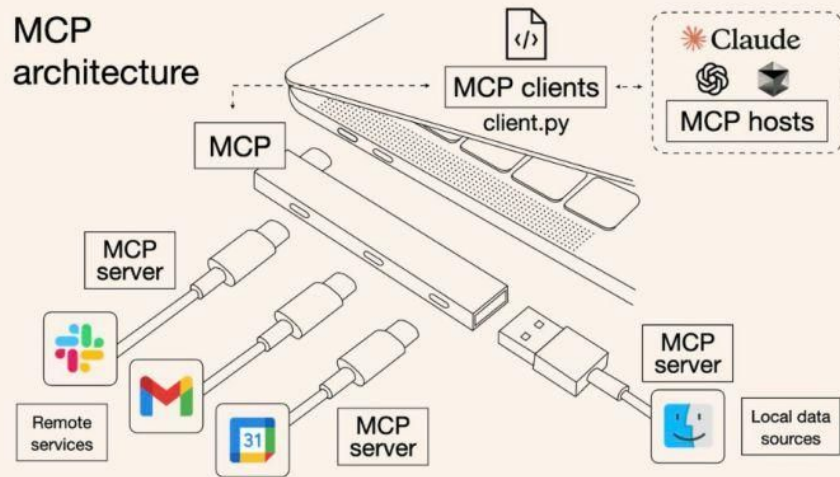
MCP

(Model Context Protocol)

BU MCP' NİN KAÇ FARKLI AÇILIMI OLABİLİR :)



MCP Workflow

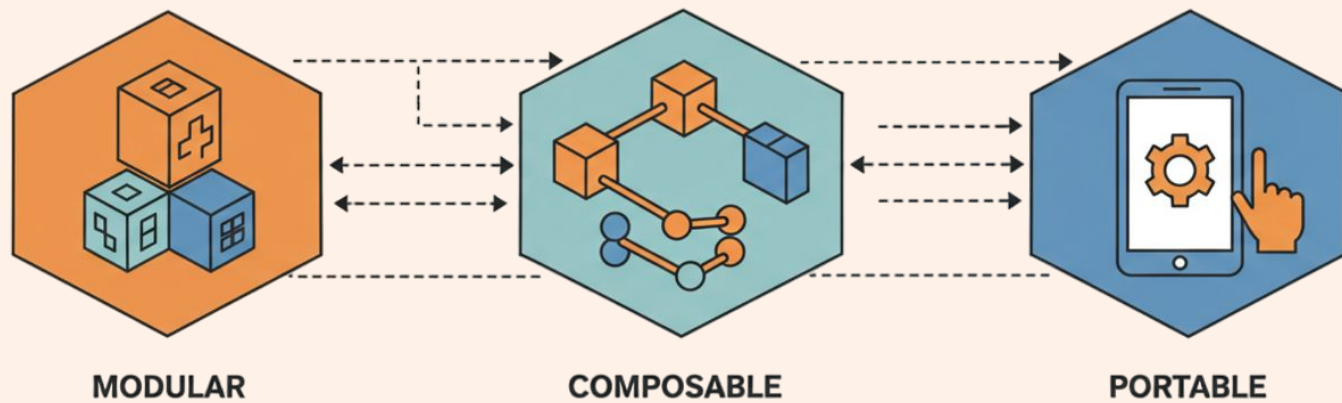


APIs: Every tool needs its own key

Traditional APIs require different authentication and integration for each service, like needing different keys for different locks



MCP :)



Chapter Six

Langflow Demos

Kod yazmaktan sıkılmadınız mı :)

