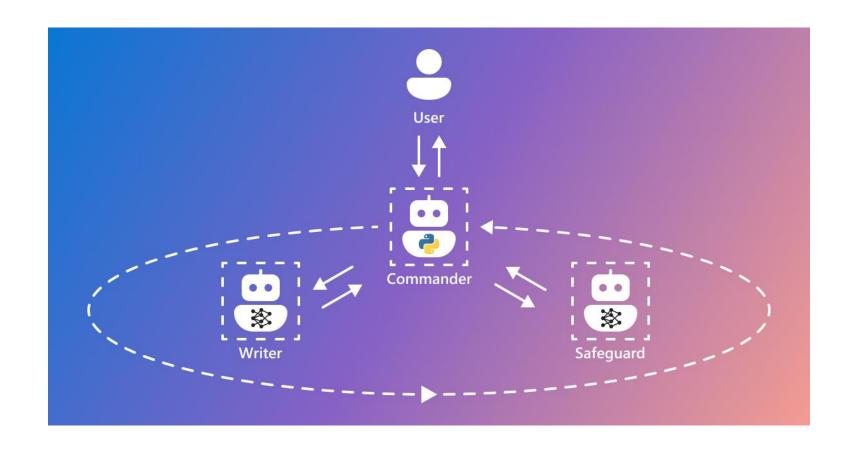
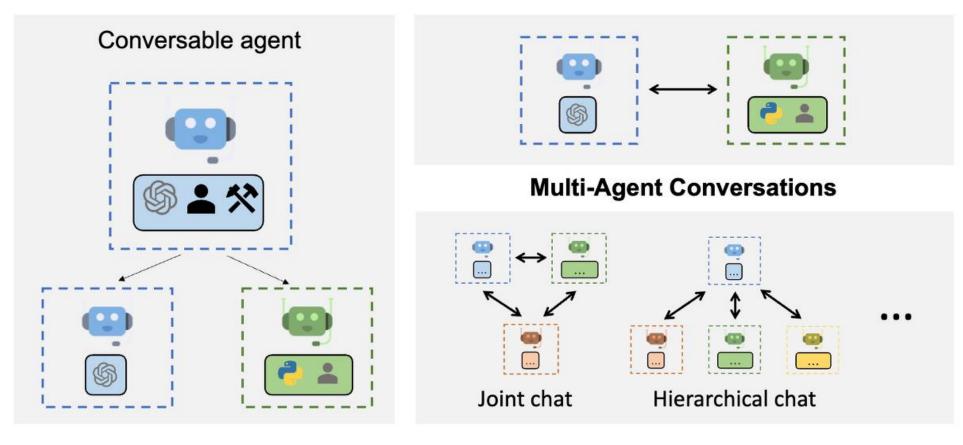
AutoGen



AutoGen

자율적으로 행동하거나 인간과 함께 작업할 수 있는 다중 에이전트 AI 애플리케이션을 만드는 프레임워크



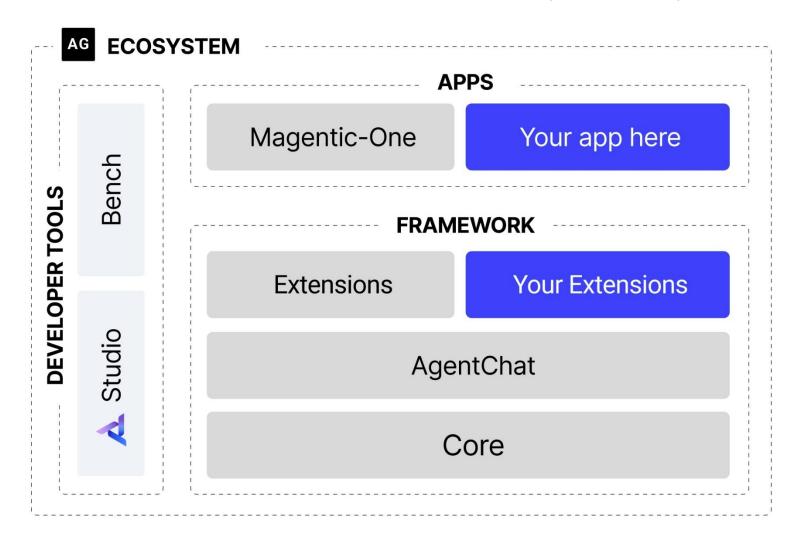
Agent Customization

Flexible Conversation Patterns

■ 참고 : [논문 리뷰] AutoGen: Enabling Next-Gen LLM Applications via Multi-Agent Conversation

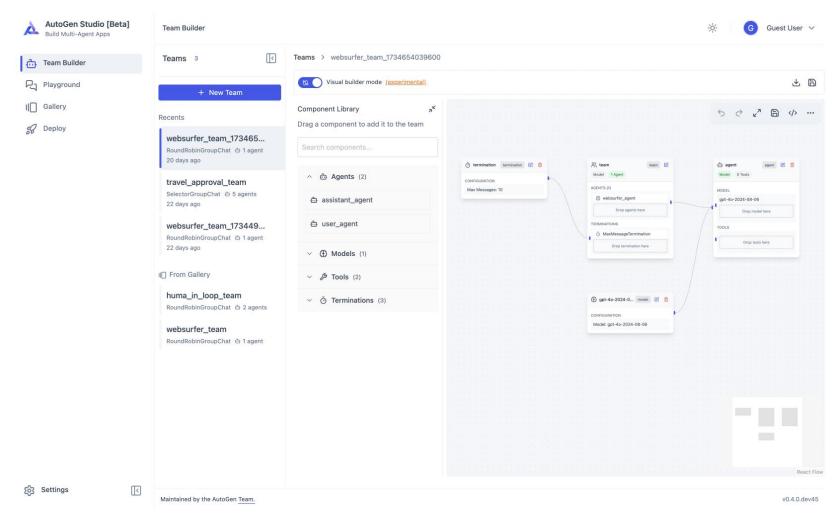
AutoGen 에코시스템

다중 에이전트 워크플로를 만드는 데 필요한 프레임워크, 개발자 도구, 애플리케이션을 제공



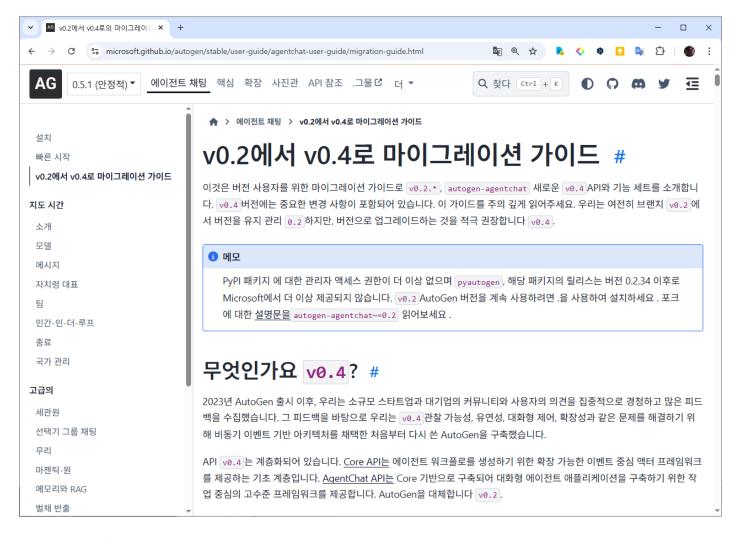
AutoGen Studio

AI 에이전트를 빠르게 프로토타이핑 할 수 있도록 구축된 No-code GUI



AutoGen v0.4 Migration

기존 pyautogen 패키지는 0.2.34 버전 이후로 Microsoft에서 더 이상 제공되지 않고 버전 업그레이드를 적극 권장함



AutoGen 설치

https://github.com/microsoft/autogen

■ AutoGen 설치

Install AgentChat and OpenAl client from Extensions pip install -U "autogen-agentchat" "autogen-ext[openai]"

Install AutoGen Studio for no-code GUI pip install -U "autogenstudio"

■ AutoGen Studio 실행

Run AutoGen Studio on http://localhost:8080 autogenstudio ui --port 8080 --appdir ./my-app

AutoGen Tutorial

https://microsoft.github.io/autogen/stable//user-guide/agentchat-user-guide/tutorial

Models

How to use LLM model clients

✓ Messages

Understand the message types

Agents

Work with AgentChat agents and get started with AssistantAgent

♣ Teams

Work with teams of agents and get started with **RoundRobinGroupChat**.

†☐ Human-in-the-Loop

Best practices for providing feedback to a team

Termination

Control a team using termination conditions

</> Custom Agents

Create your own agents

Managing State

Save and load agents and teams for persistent sessions

AutoGen 실습

autogen_travel_planning.ipynb

Example



Travel Planning

Generating a travel plan using multiple agents.





Company Research

Generating a company research report using multiple agents with tools.



Literature Review

Generating a literature review using agents with tools.

Thank you