

Crew

Agents have the inert ability of reach out to another to delegate work or ask questions

AI Agents

AI Agents

Tools

AI Agents

Processes define how agents will work together. How tasks will be assigned. Interaction with each other. How they will perform work.

Process

# 5 Different

# Agents

# Frameworks

① User Question

⑧ Final Answer

② Question, ⑥ Log

③ Code, ⑦ Ans

Commander

④ Code, ⑤ Clearance



Writer

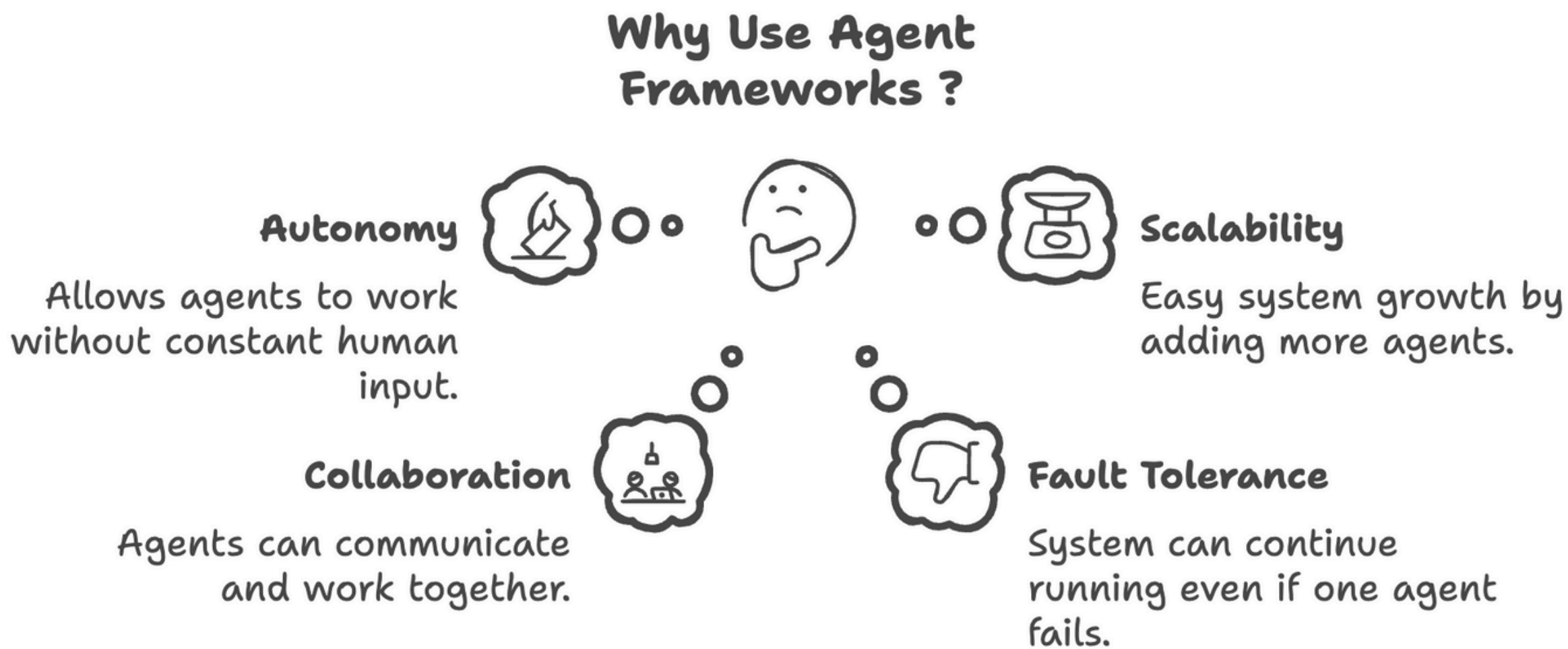


Safeguard

Repeat until answering the user's question or timeout

# Introduction

Agent frameworks provide a structure to build autonomous agents—software that can perform tasks on its own, talk to other agents, and adapt to changes around them. These frameworks are used in areas like robotics, automation, artificial intelligence, and distributed systems.

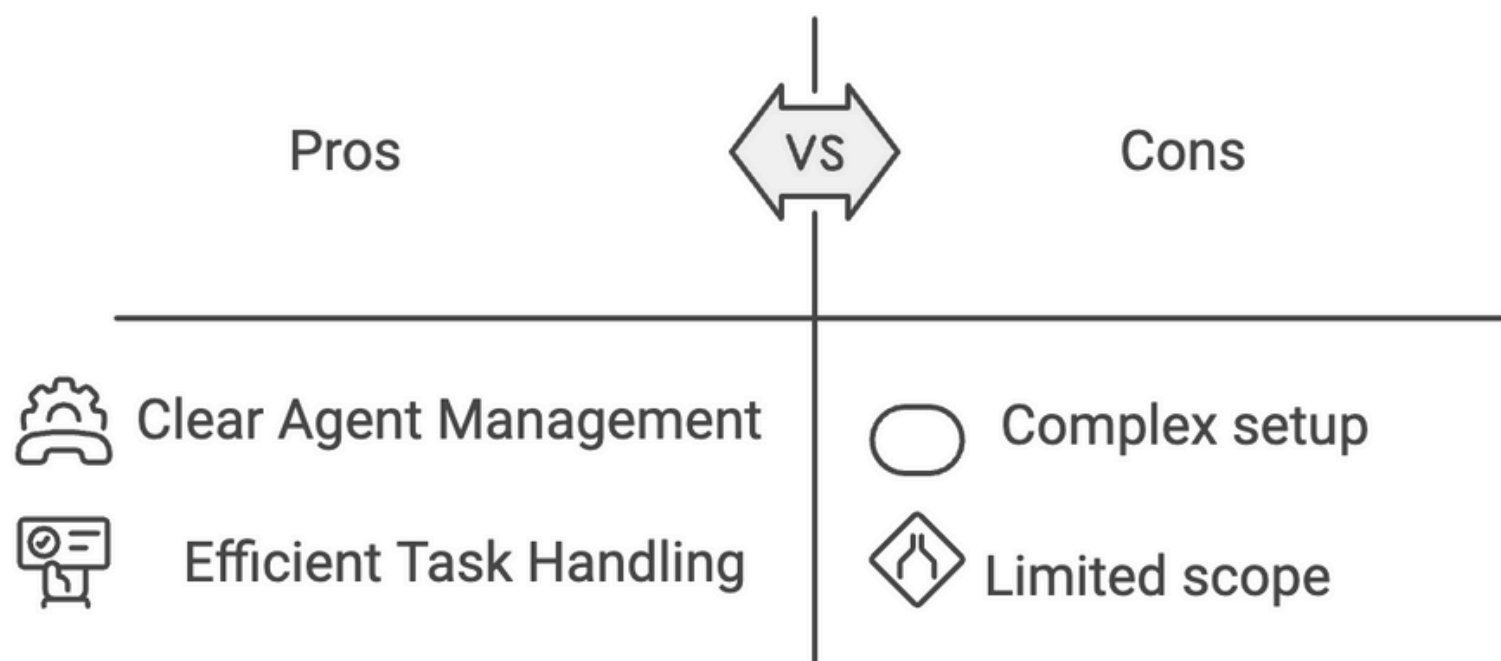


This is just a simple overview of agent frameworks and their benefits. We'll explore how they work in more details

Here, we will cover the introduction, and later, we will address the advanced version.

# LangGraph

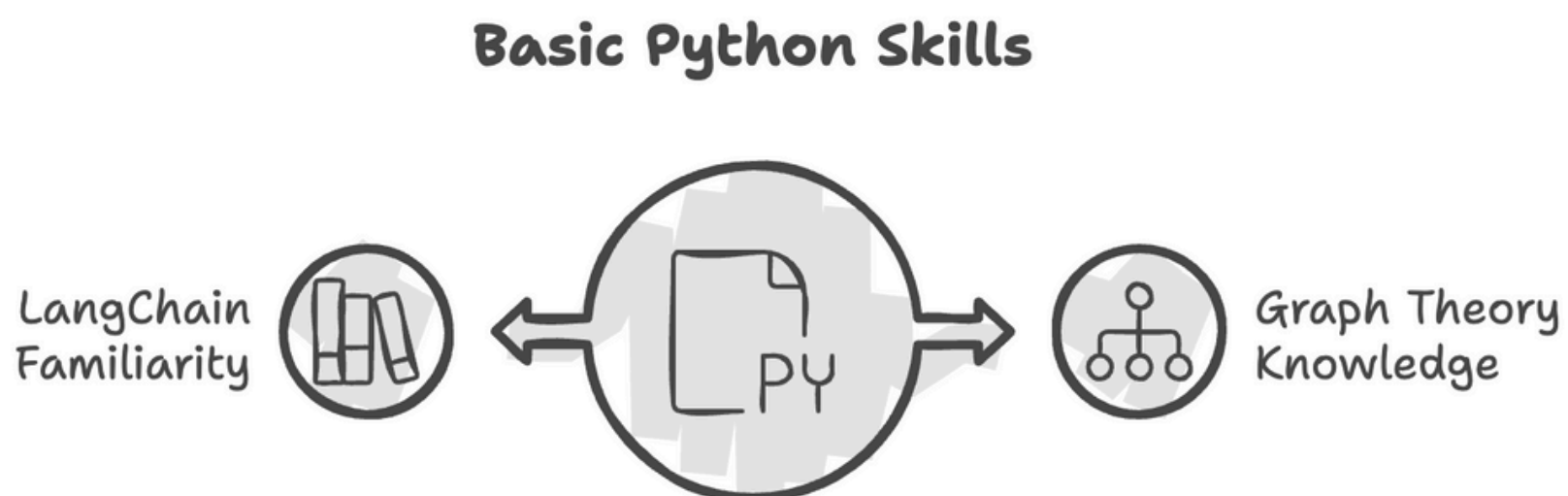
LangGraph uses a graph-based model to manage interactions between multiple agents. It excels in breaking complex tasks into smaller, specialized tasks managed by individual agents.



LangChain Library: LangGraph builds upon LangChain, which is designed for building language models in a modular way

How to Get Started:

- install the required tools: **`pip install langchain`**



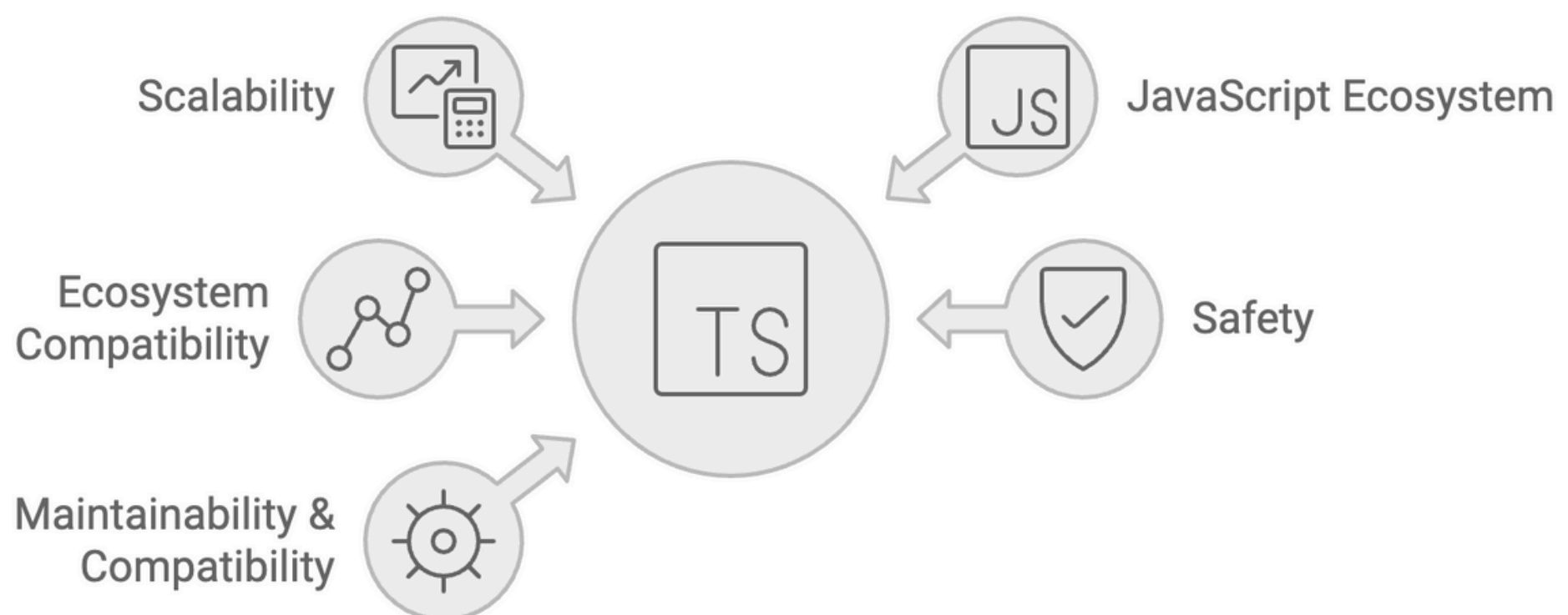
# IBM Bee

IBM's Bee Agent Framework is a platform designed for building distributed multi-agent systems. These agents can communicate, make autonomous decisions, and collaborate to perform tasks across different environments. The framework emphasizes task optimization, coordination, and scalability for large-scale systems



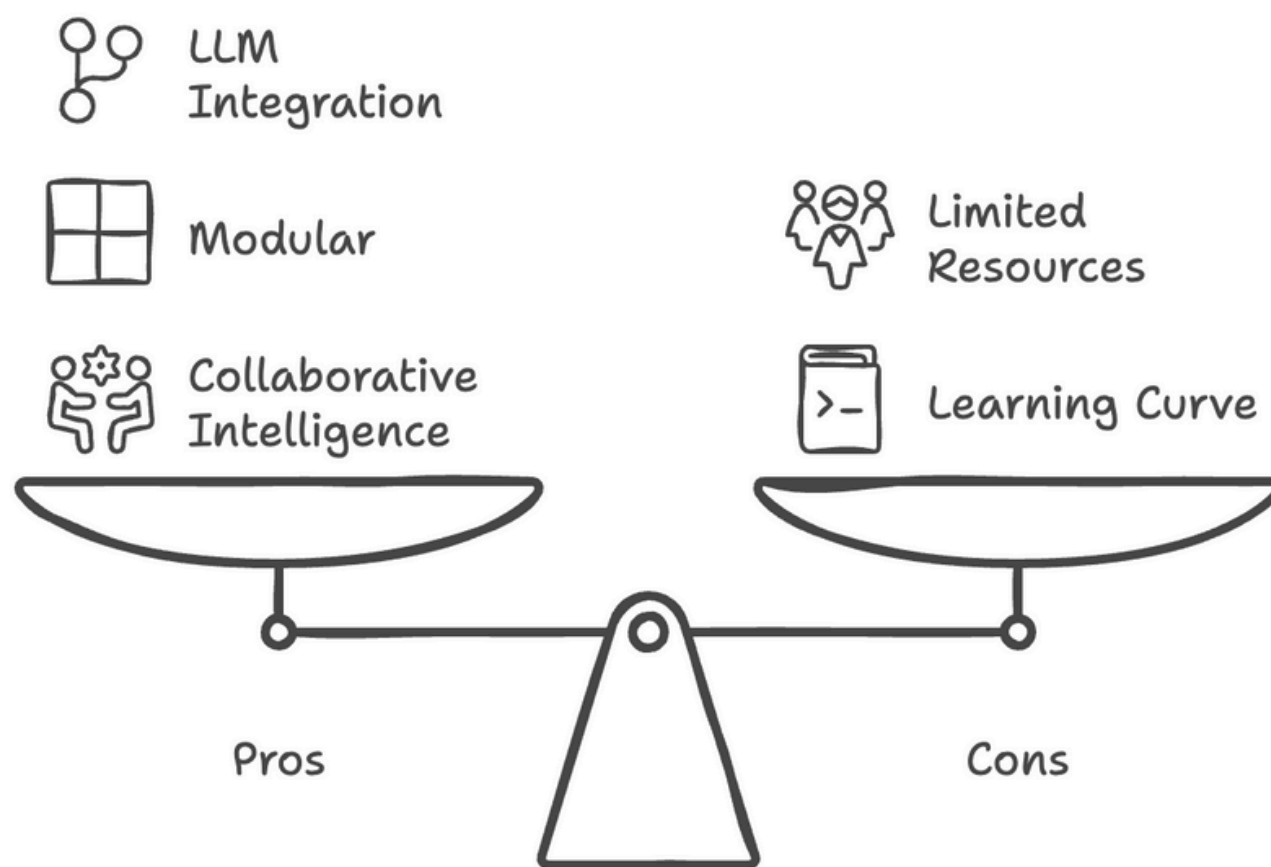
## How to Get Started:

- To get started with IBM's TypeScript environment
- install the required tools: **npm install typescript**
- Factors Influencing the Choice of TypeScript for IBM's Bee



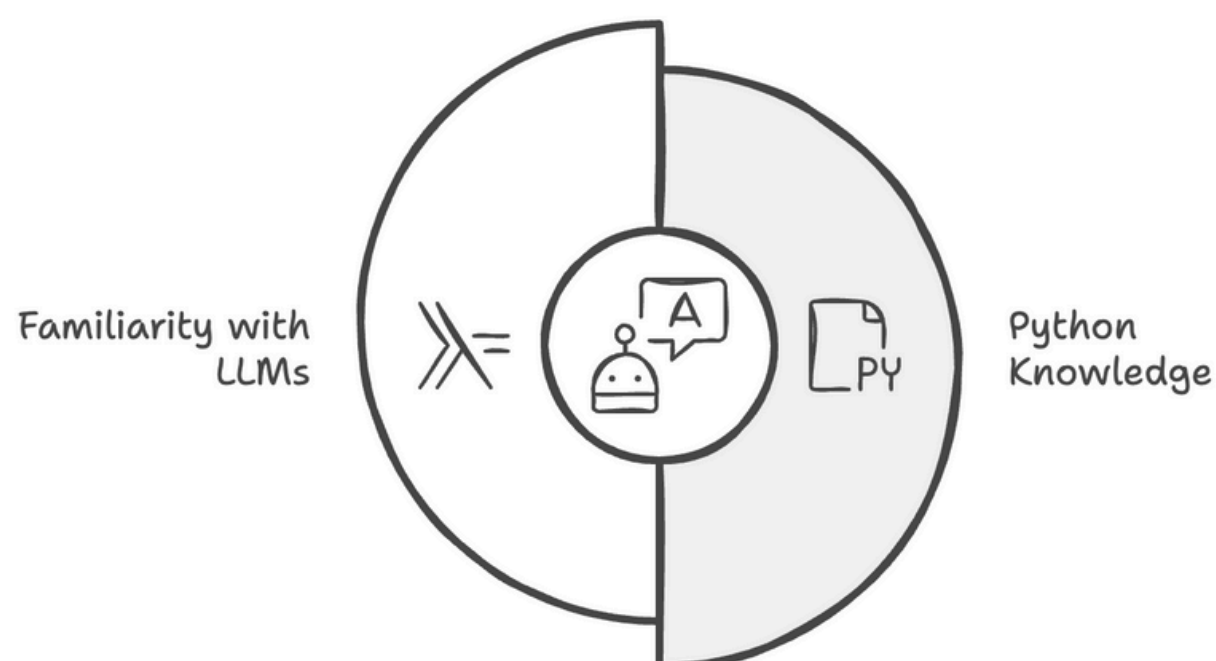
# CrewAI

CrewAI is a robust framework for developing collaborative AI agents that can work together on complex tasks. It facilitates easy integration of LLMs and custom tools, allowing agents to autonomously gather, process, and summarize information.



How to Get Started:

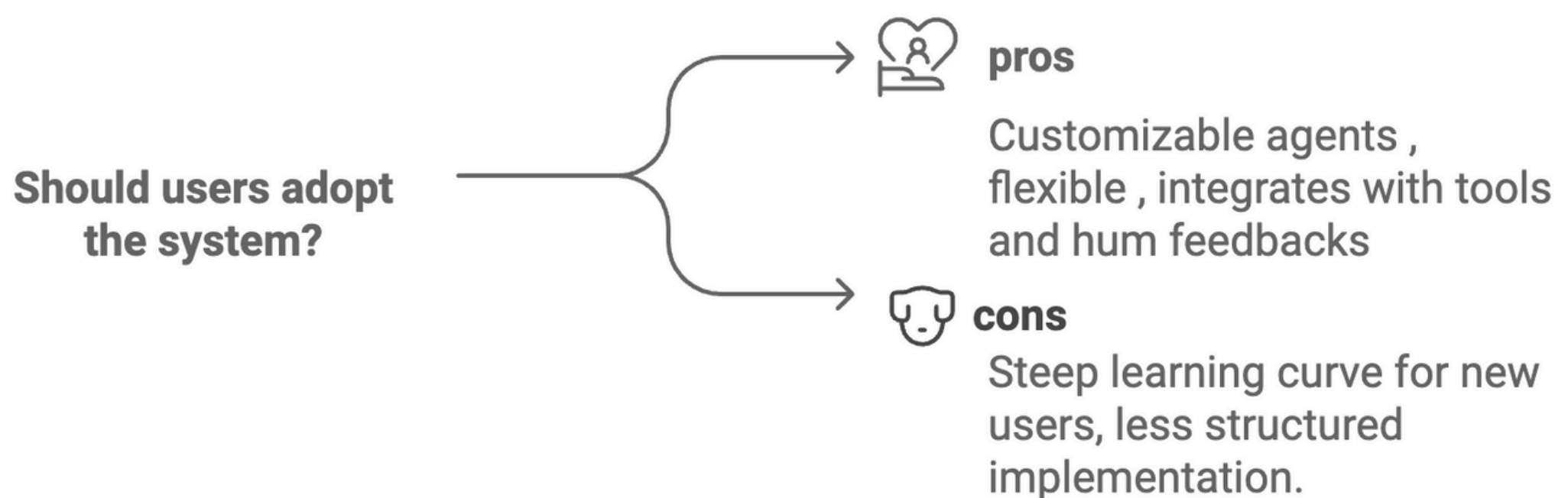
- Required Libraries: **`pip install crew transformers`**





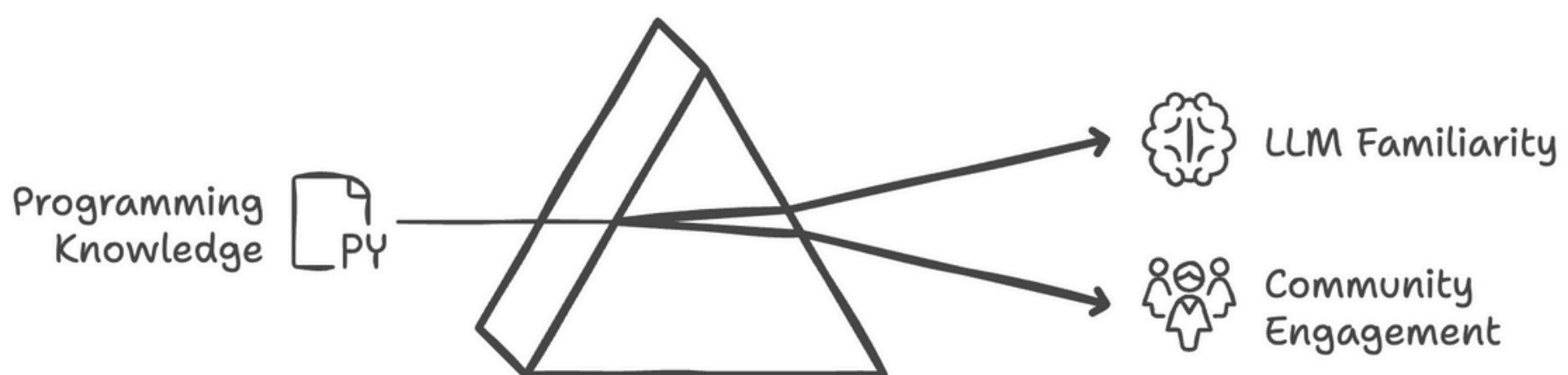
# AutoGen

AutoGen is a flexible framework for building customizable agents that can integrate LLMs, tools, and human feedback. It's great for large-scale systems that need dynamic agent collaboration



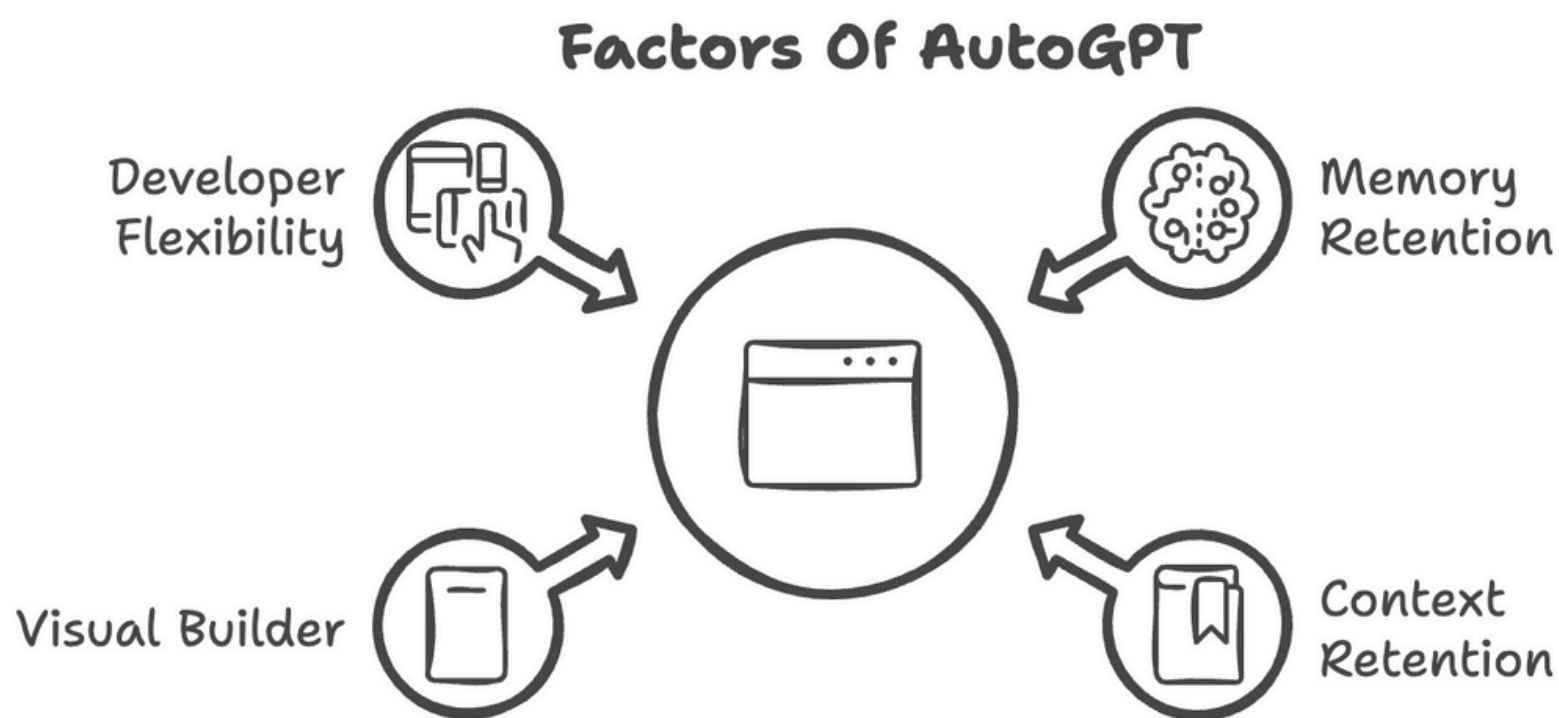
## How to Get Started:

- Set up AutoGen from [Microsoft's Autogen documentation](#).
- Required Libraries: **`pip install transformers`**
- Create customizable agents for dynamic, large-scale tasks.



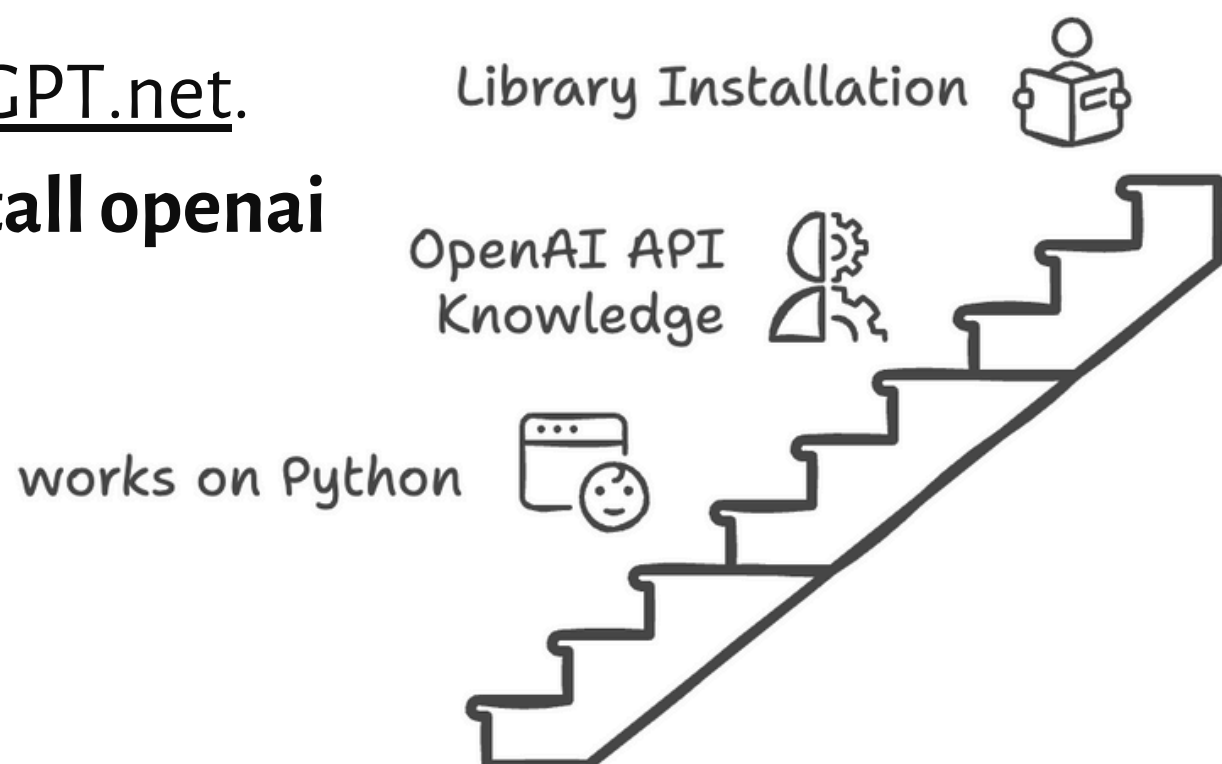
# AutoGPT

AutoGPT is an advanced AI tool that builds autonomous agents capable of performing tasks using large language models (LLMs) like GPT. It excels at memory management and handling complex tasks through context-awareness



How to Get Started:

- Install AutoGPT from [AutoGPT.net](https://AutoGPT.net).
- Required Libraries: **`pip install openai`**



**What  
agent  
frameworks  
are you  
aware of?**







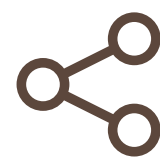
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