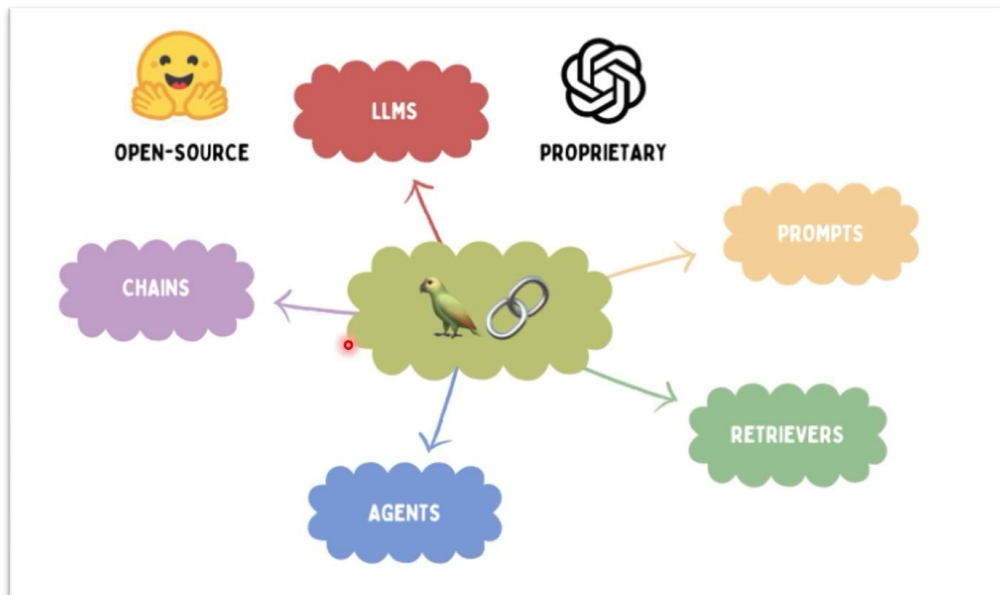


LangChain Components

LangChain is built with modular components like LLMs, Prompts, Chains, Memory, Tools, and Agents. Understanding these building blocks helps developers create scalable and intelligent applications powered by language models.

01

LangChain Components



02

LangChain components

LLMs (Large Language Models)

- ❑ These are the brains behind the system, like OpenAI's GPT models. They understand and generate text.

Prompts

- ❑ These are instructions or examples you give to the LLM to guide its behavior. Think of prompts as questions or tasks that the AI needs to answer or solve.

Chains

- ❑ Chains are workflows that connect multiple steps or tasks. For example, getting input, processing it, and generating a final output in a structured way.

03

LangChain Components

Agents

- ❑ Agents are like decision-makers. They use the LLM to figure out which tools to use and how to solve problems dynamically.

Retrievers

- ❑ These help the system find and fetch specific pieces of information from large datasets, like searching a library for a specific book.

Open-Source vs Proprietary

- ❑ LangChain can work with open-source tools (free and community-driven) or proprietary tools (like paid APIs such as OpenAI).

04