

AI Agents

LangChain

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How LangChain sees AI Agents

- AI Agents = LLM Apps with loops
 - Tool usage
 - Memory
 - Planning
 - Taking actions

LangChain definitions: Agents vs. Copilots

- Agents: autonomous.
- Copilots: human in the loop.

The role of LangGraph for LangChain Agents

- Customize Agent Runtime:
 - Force call a tool.
 - Wait for HITL approval.
 - Multi-agent collaboration.

Agents and Cognitive Architecture

- Cognitive Architectures = Ways to use AI Agents.

Tools for LangChain Agents

- LangChain offers an extensive library of off-the-shelf tools.
- LangChain allows you to build your custom tools.

Evaluating LangChain Agents with LangSmith

- Trace observability.
- Tool selection visibility.
- Playground.
- Cost, latency and error tracking.
- LLM evaluators.