

Agent Types

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Agents use an LLM to determine which actions to take and in what order. An action can either be using a tool and observing its output, or returning a response to the user. Here are the agents available in LangChain.

zero-shot-react-description

This agent uses the ReAct framework to determine which tool to use based solely on the tool's description. Any number of tools can be provided. This agent requires that a description is provided for each tool.

react-docstore

This agent uses the ReAct framework to interact with a docstore. Two tools must be provided: a `Search` tool and a `Lookup` tool (they must be named exactly as so). The `Search` tool should search for a document, while the `Lookup` tool should lookup a term in the most recently found document. This agent is equivalent to the original [ReAct paper](#), specifically the Wikipedia example.

self-ask-with-search

This agent utilizes a single tool that should be named `Intermediate Answer`. This tool should

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with [search paper](#), where a Google search API was provided as the tool.

conversational-react-description

This agent is designed to be used in conversational settings. The prompt is designed to make the agent helpful and conversational. It uses the ReAct framework to decide which tool to use, and uses memory to remember the previous conversation interactions.