

# How to Build an AI Agent with Agentforce

Agentforce is a powerful open-source Python framework designed to help you build autonomous agents with full control—ideal for research, automation, and multi-agent workflows.



## Core Architecture

### Each Agent includes:

- Planner** Breaks down goals into steps (powered by LLMs)
- Executor** Executes each step using tools
- Memory** Stores interactions (buffer, vector, or composite)
- Tools** Functions used for actions (API calls, logic, etc.)

## Step-by-Step Guide: Build Your First Agent

### 1. Install Agentforce

```
pip install agentforce
```

### 2. Define Tools

- Tools are Python functions that your agent can call.
- `from agentforce.tools import tool`

### 3. Configure the Agent

- `from agentforce.agent import Agent`
- `from agentforce.llms import OpenAIPlanner`
- `from agentforce.memory import BufferMemory`

### 4. Run the Agent

```
response = agent.run("Find the latest trends in quantum computing.")  
  
print(response)
```

## Behind the scenes, Agentforce

- Sends the task to the planner
- Planner selects the right tool (google\_search)
- Tool executes and returns result
- Memory stores the interaction
- Agent provides structured response

Agentforce gives you the control to build agents that are smart, safe, and scalable.



[Start building your first agent today.](#)