



BEST PRACTICES TO BUILD AGENTS WITH AGENTFORCE

Agentforce is a modular, open-source framework to create autonomous agents with planning, tools, memory, and execution control.



Key Features

1. Step-based agent loop (Planner → Executor → Memory)
2. Plug-in tools (API calls, logic functions)
3. Multi-agent support
4. OpenAI, Anthropic, or local LLM ready

BEST PRACTICES TO BUILD AN AI AGENT WITH AGENTFORCE

1. Domain-Specific Tools

Create tools with clear names, docstrings, and type hints for better agent understanding.

2. Modular Memory

Use BufferMemory, VectorMemory, or CompositeMemory for smarter recall.

3. Custom Thought Loops

Override the agent's reasoning loop to add retries, constraints, or reflection.

4. Observability Hooks

Add before/after hooks for step logging or integrations with LangSmith, W&B.

5. Multi-Agent Collaboration

Chain role-specific agents using AgentGraph:



Security & Guardrails

- Use tool whitelists
- Add execution timeouts
- Enforce output format checks (e.g., JSON schemas)

Deployment Tips

- Package with Docker
- Add UI with Streamlit
- Background tasks with Celery or Temporal

Create agents that think, act, and learn. Fast.

[Get Started Today!](#)