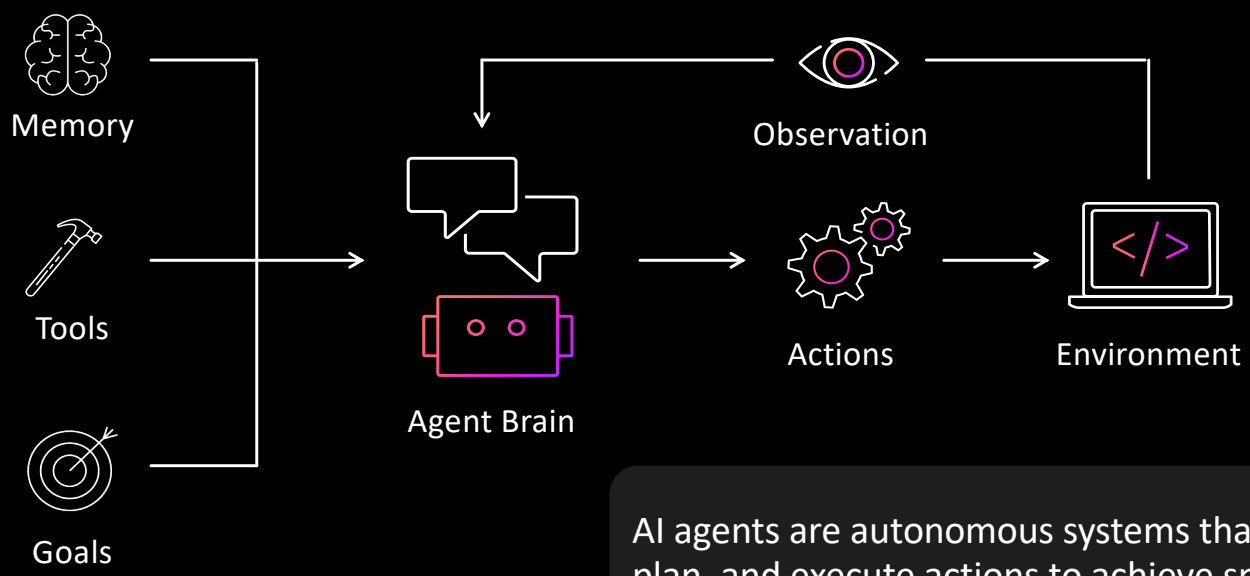
01 Overview of Strands Agents

Agenda

- Understand what agentic AI is and how it works
- Learn the core components of the Strands Agent() architecture
- Build and run your first agent using the Strands SDK
- Understand the agentic loop pattern

What is agentic AI?



AI agents are autonomous systems that understand, plan, and execute actions to achieve specific goals.

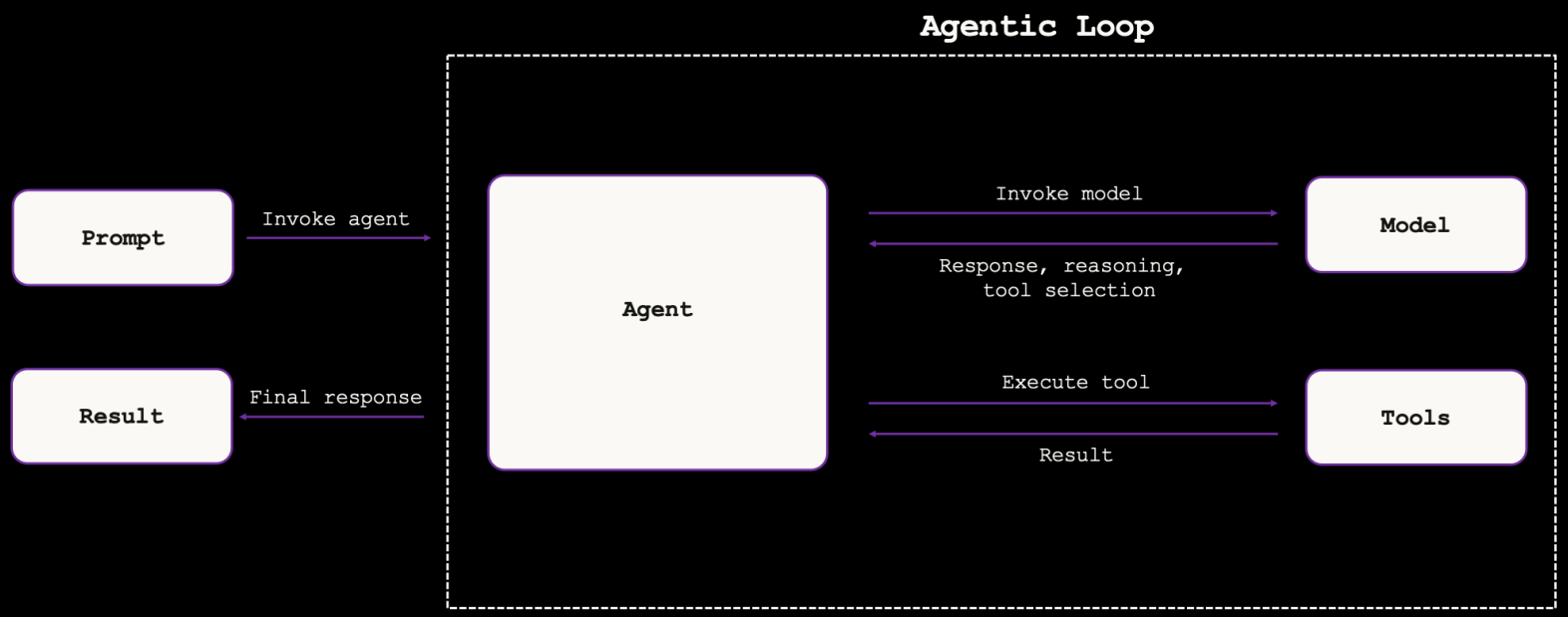
< Hello, World! >

Strands Agents

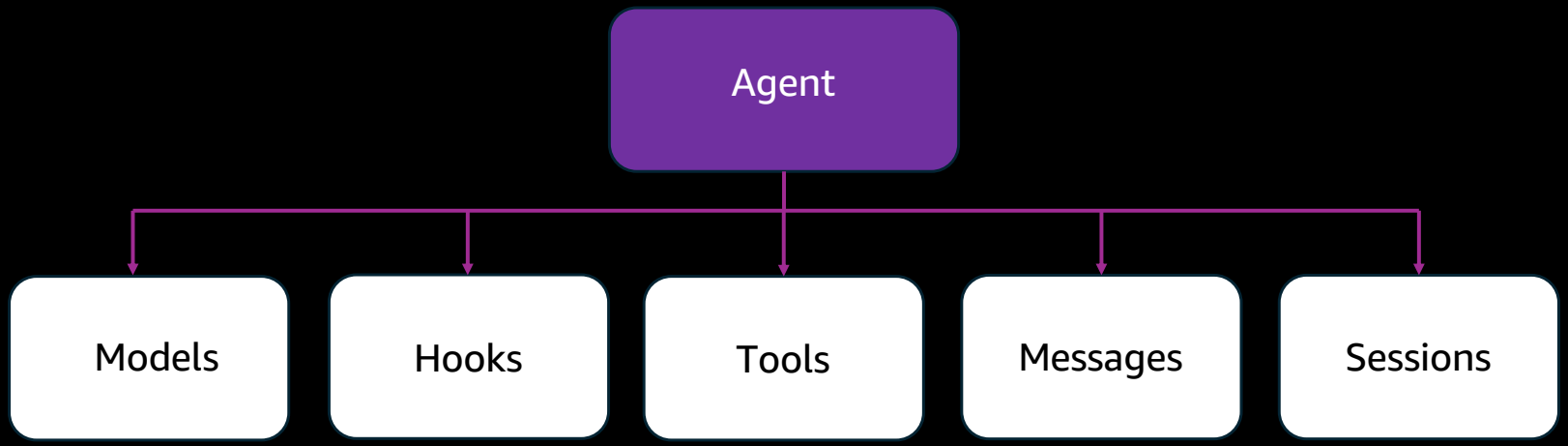
- Strands Agents is an open source Python SDK for building agents using just a few lines of code
- Supports MCP and A2A protocols

```python
from strands import Agent

# Create an agent with default settings
agent = Agent()

# Ask the agent a question
response = agent.("What is Agent AI?")
```

The Agentic Loop



Strands Agent() Architecture



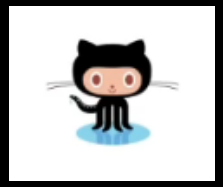
"Think of an Agent as an orchestrator that coordinates between your model, tools, and custom logic through hooks."

Demo

Key Takeaways

- Agentic AI enables autonomous systems that understand, plan, and execute actions to achieve goals
- Core Agent() architecture components
- Build your first agent in 3 lines of code

Where's the code?



https://s12d.com/advanced-strands-agents