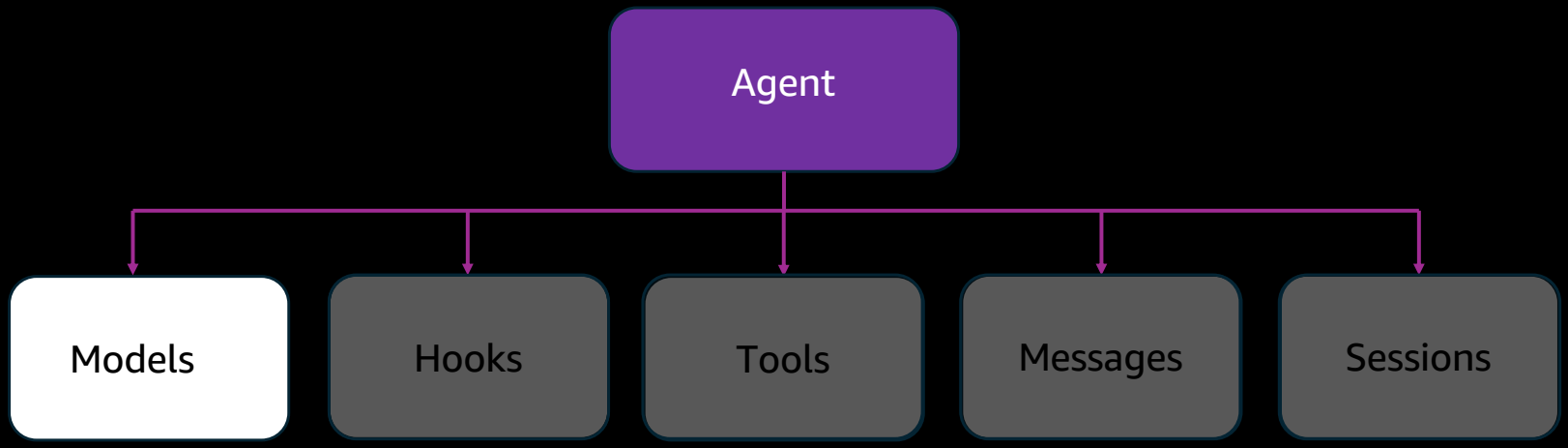
02 Model Providers and Configuration

Agenda

- Configure agents with different model providers
- Understand model selection and parameters
- Run agents with local models using Ollama
- Compare performance across different models

Strands Agent() Architecture



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

Model agnostic

- Model Providers
  - Amazon Bedrock
  - Anthropic
  - LiteLLM
  - LlamaAPI
  - MistralAI
  - Ollama
  - OpenAI
  - SageMaker
  - Writer
  - Cohere
  - Custom Providers

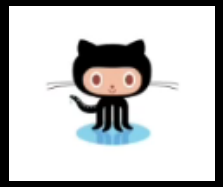
```python
from strands import Agent
from strands.models import BedrockModel

# Create a Bedrock model instance
bedrock_model = BedrockModel(
    model_id="us.amazon.nova-premier-v1:0",
    temperature=1
)

# Create an agent using the BedrockModel instance
agent = Agent(model=bedrock_model)

# Ask the agent a question
response = agent("What is Amazon Bedrock?")
```

Demo

Key Takeaways

- Leveraged models via Amazon Bedrock, Anthropic, OpenAI
- Created a local Agent using Strands and Ollama
- Discussed the benefits of model choice

Where's the code?



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