Strands Agents SDK

Strands Agents is a simple-to-use, code-first framework for building agents.

First, install the Strands Agents SDK:

```
pip install strands-agents
```

Then create your first agent as a Python file, for this example we'll use `agent.py`.

```python
from strands import Agent

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

# Ask the agent a question
agent("Tell me about agentic AI")
```

Now run the agent with:

```
python -u agent.py
```

That's it!

> **Note**: To run this example hello world agent you will need to set up credentials for our model
> provider and enable model access. The default model provider is Amazon Bedrock and the
> default model is Claude 3.7 Sonnet in the US Oregon (us-west-2) region.
>
> For the default Amazon Bedrock model provider, see the Boto3 documentation for setting up
> AWS credentials. Typically for development, AWS credentials are defined in `AWS_` prefixed
> environment variables or configured with `aws configure`. You will also need to enable Claude
> 3.7 model access in Amazon Bedrock, following the AWS documentation to enable access.
>
> Different model providers can be configured for agents by following the quickstart guide.

Features

Strands Agents is lightweight and production-ready, supporting many model providers and
deployment targets.

Key features include:

- **Lightweight and gets out of your way**: A simple agent loop that just works and is fully customizable.

- **Production ready**: Full observability, tracing, and deployment options for running agents at scale.

- **Model, provider, and deployment agnostic**: Strands supports many different models from many different providers.

- **Powerful built-in tools**: Get started quickly with tools for a broad set of capabilities.

- **Multi-agent and autonomous agents**: Apply advanced techniques to your AI systems like agent teams and agents that improve themselves over time.

- **Conversational, non-conversational, streaming, and non-streaming**: Supports all types of agents for various workloads.

- **Safety and security as a priority**: Run agents responsibly while protecting data.

Next Steps

Ready to learn more? Check out these resources:

- [Quickstart](#) - A more detailed introduction to Strands Agents

- [Examples](#) - Examples for many use cases, types of agents, multi-agent systems, autonomous agents, and more

- [Example Built-in Tools](#) - The `strands-agents-tools` package provides many powerful example tools for your agents to use during development

- [Strands Agent Builder](#) - Use the accompanying `strands-agents-builder` agent builder to harness the power of LLMs to generate your own tools and agents

> ⚠️ **Preview**
>
> Strands Agents is currently available in public preview. During this preview period, we welcome your feedback and contributions to help improve the SDK. APIs may change as we refine the SDK based on user experiences.
>
> [Learn how to contribute](#) or join our community discussions to shape the future of Strands Agents ❤️ .