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How to Guides

Agent Monitoring with AgentOps

Understanding and logging your agent performance with AgentOps.

Introduction

Observability is a key aspect of developing and deploying conversational AI agents. It allows developers to understand how their agents are performing, how their agents are interacting with users, and how their agents use external tools and APIs. AgentOps is a product independent of CrewAI that provides a comprehensive observability solution for agents.

AgentOps

AgentOps provides session replays, metrics, and monitoring for agents.

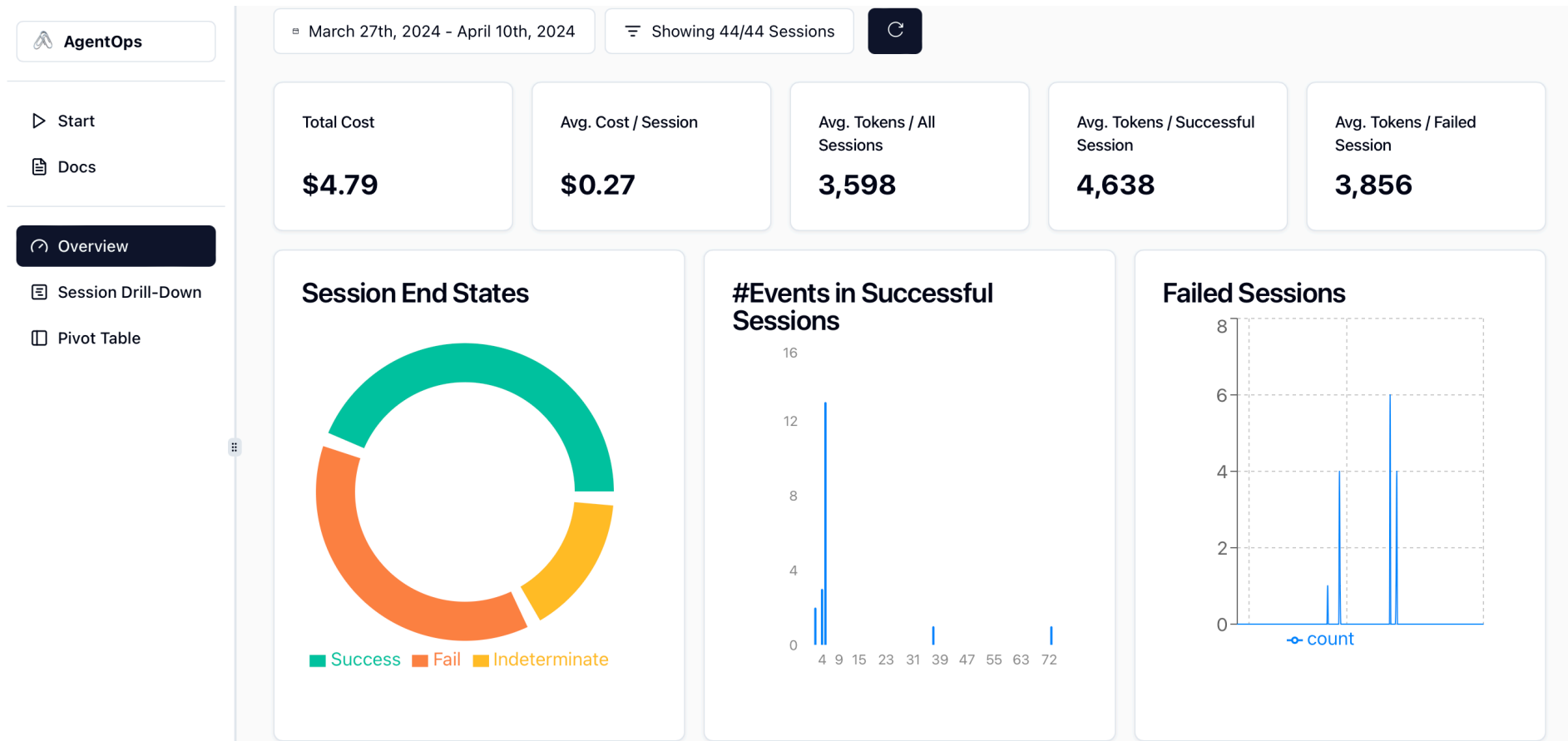
At a high level, AgentOps gives you the ability to monitor cost, token usage, latency, agent failures, session-wide statistics, and more. For more info, check out the [AgentOps Repo](#).

Overview



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time. This feature is useful for debugging and understanding how agents interact with users as well as other agents.





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[Overview](#)[Session Drill-Down](#)[Pivot Table](#)

FIVE

0 / 2

001 225

End State

Success

Session End Reason

Finished Execution

Session Tags

job-posting

LLM Cost

\$2.67

Prompt Tokens

72,459

Completion Tokens

8,283**SDK**

SDK Version

0.1.0b7

Python Version

3.11.5

OS

Platform

Darwin

Release

23.1.0

Hardware

CPU Cores

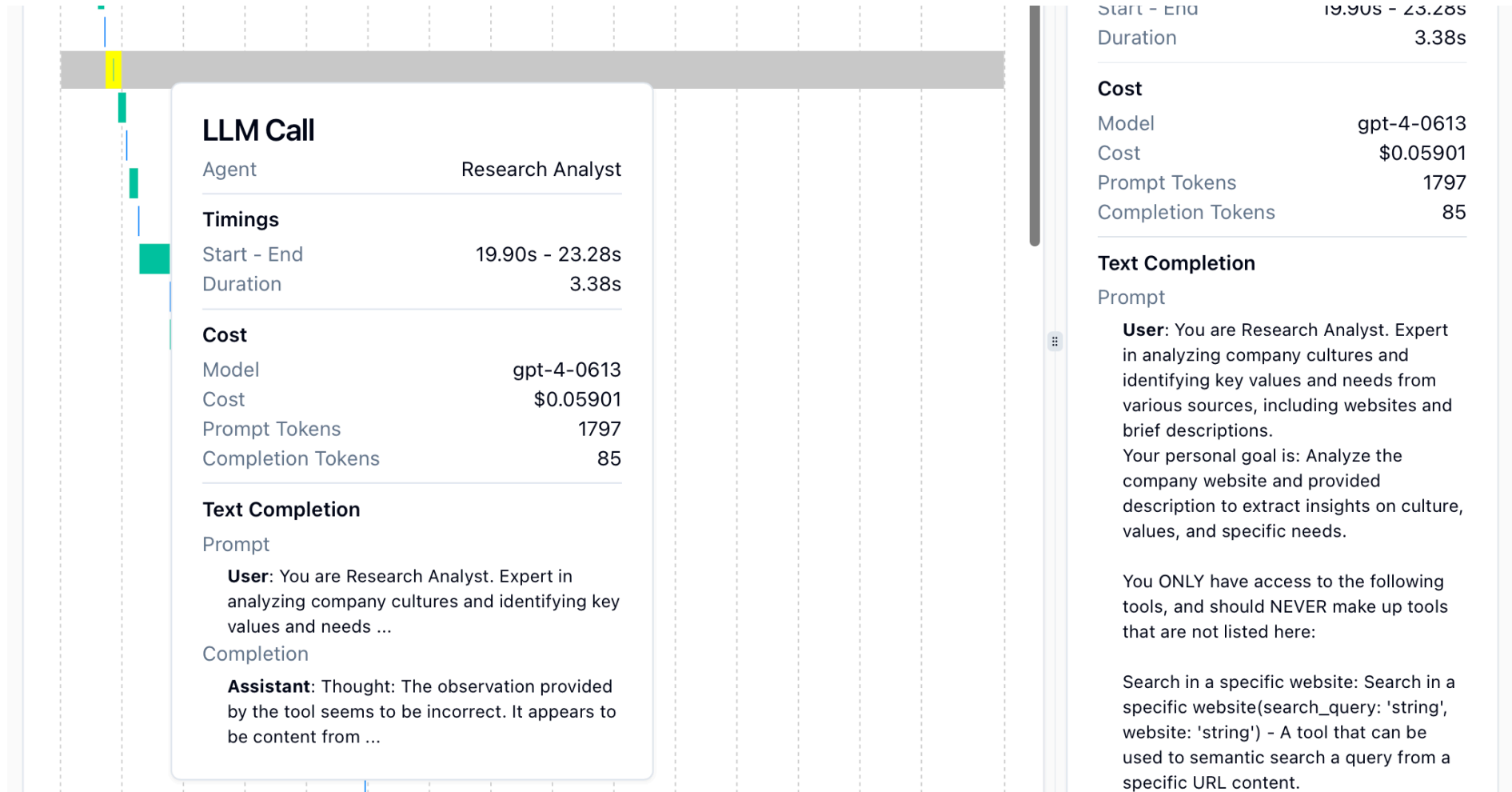
10

RAM

16.00 GB



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Features

LLM Cost Management and Tracking: Track spend with foundation model providers.



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Analytics Dashboard: Monitor high-level statistics about agents in development and production.

Public Model Testing: Test your agents against benchmarks and leaderboards.

Custom Tests: Run your agents against domain-specific tests.

Time Travel Debugging: Restart your sessions from checkpoints.

Compliance and Security: Create audit logs and detect potential threats such as profanity and PII leaks.

Prompt Injection Detection: Identify potential code injection and secret leaks.

Using AgentOps

1 Create an API Key

Create a user API key here: [Create API Key](#)



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```
AGENTOPS_API_KEY=<YOUR_AGENTOPS_API_KEY>
```

3 **Install AgentOps**

Install AgentOps with:

```
pip install 'crewai[agentops]'
```

or

```
pip install agentops
```

4 **Initialize AgentOps**

Before using `Crew` in your script, include these lines:

```
import agentops
```



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more complex agentic systems, check out the [AgentOps documentation](#) or join the [Discord](#).

Crew + AgentOps Examples

Job Posting

Example of a Crew agent that generates job posts.



Markdown Validator

Example of a Crew agent that validates Markdown files.



Instagram Post

Example of a Crew agent that generates Instagram posts.



Further Information

To get started, create an [AgentOps account](#).

For feature requests or bug reports, please reach out to the AgentOps team on the [AgentOps Repo](#).

Extra links

[!\[\]\(8aa05b4b06c05d58ddd90cdbf335b307_img.jpg\) Twitter](#) • [!\[\]\(4982c9ecf91d6fbabe93ceb6fe1e46ea_img.jpg\) Discord](#) • [!\[\]\(94fe3329e31be3688f128faadd3f0335_img.jpg\) AgentOps Dashboard](#) • [!\[\]\(e2fea6fc096335ef535feead473ec87a_img.jpg\) Documentation](#)



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