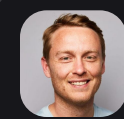


Building Agents in Python

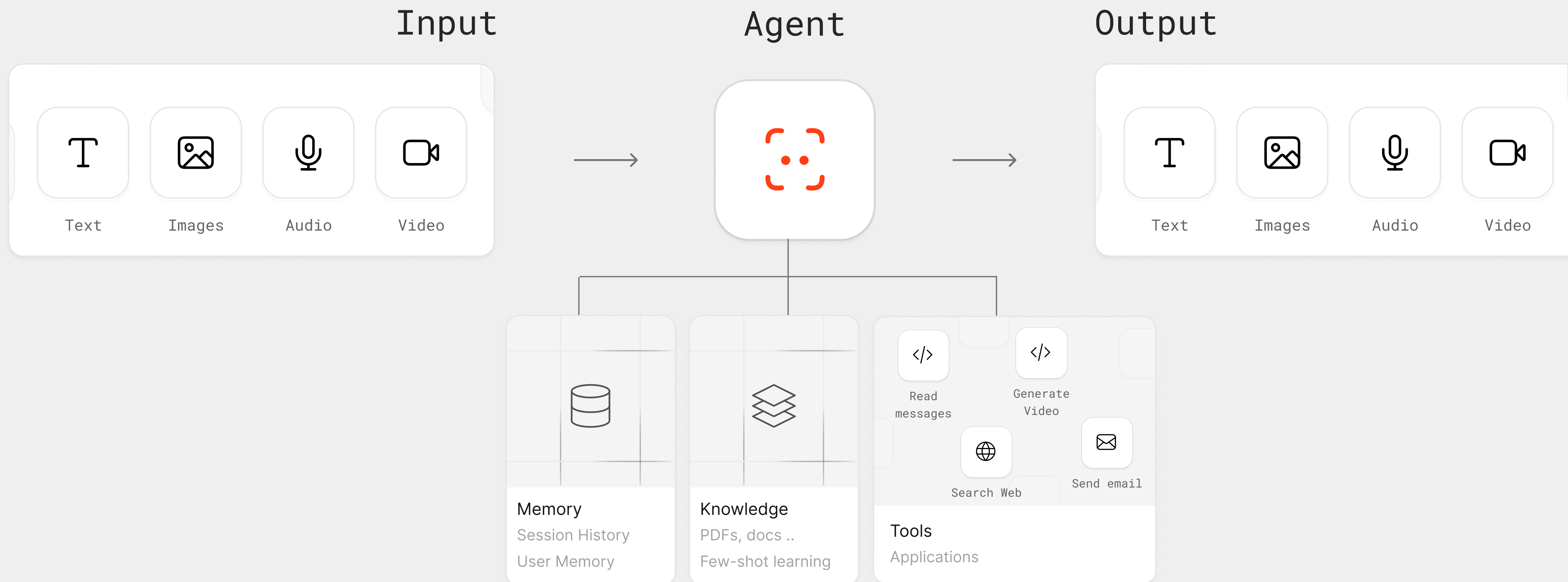
From Zero to Production



Dirk Brand Head of Engineering



What is an Agent?



Before we start!

Get the OpenAI API Key

Clone the repo: <https://github.com/agno-agi/pycon25>

Create an account on os.agno.com 



GitHub

Browse through
100s of examples



Docs

Learn how to build
Agents, Teams and
Workflows



AgentOS

Production runtime
and control plane for
your Agents

Use Case 1

Stock Analysis Agent

Components: YFinanceTools, Gpt-5-mini

Pre-requisites: `pip install agno yfinance openai`

Run the file locally to test, or launch on AgentOS

Use Case 2

Airbnb Listings Agent

Components: MCP (airbnb), Gpt-5-mini

Pre-requisites: `pip install agno mcp openai`

Run the file locally to test, or launch on AgentOS

Use Case 3

Agent with Knowledge (Agno Assistant)

Components: Knowledge base (LanceDB), Gpt-5-mini

Pre-requisites: `pip install agno lancedb openai`

Run the file locally to test, or launch on AgentOS

Use Case 4

News Agency Team

Components: A team of agents, Newspaper4k, DDG, Gpt-5-mini

Pre-requisites: `pip install agno openai ddgs newspaper4k
lxml_html_clean`

Run the file locally to test, or launch on AgentOS

Use Case 5

Code Advice Team

Components: A team of agents, pre-hooks for checks

Pre-requisites: `pip install agno openai`

Run the file locally to test, or launch on AgentOS

Use Case 6

Get creative!

1. Create your team of agents for your idea
2. Explore possible tools on docs.agno.com
3. Add your team to AgentOS and play