



Components

Playground

API

Querying the Database

The two Astra DB tools seen here are used to query information from the products and orders collection. These are used as tools by the OrderLookupAgent.

By providing the orderNumber and productId fields as mandatory tool parameters (due to the !) it forces the agent to pass these values. They will then be used

Astra DB

Create a tool to get transactional data from DataStax Astra DB Collection

Tool Name*

Tool Description*

Collection*

Astra DB Application Token*

Database*

Explore Data

Data

Tool

Astra DB

Create a tool to get transactional data from DataStax Astra DB Collection

Tool Name*

Tool Description*

Collection*

Astra DB Application Token*

Database*

Explore Data

Tool params

Type key... Type a value...

Data

Tool

OrderLookupAgent

Define the agent's instructions, then enter a task to complete using tools.

Model Provider

Model Name

OpenAI API Key

Agent Instructions

Tools

Input

Toolset

OrderLookupAgent

The OrderLookupAgent operates in tool mode, allowing it to be utilized as a resource by the ManagerAgent. It processes input provided by the ManagerAgent to fulfill specific tasks.

Equipped with its own set of capabilities, this agent can access tools to retrieve information about orders and products. By leveraging the AstraDB vector store, it efficiently looks up details based on their

Start of Flow

Our flow begins with a users question. This will then be passed to the ManagerAgent and various other input fields as needed.

Astra DB

Implementation of Vector Store using Astra DB with search capabilities

Astra DB Application Token*

Database*

Collection*

Search Input

Receiving input

Parse Data

Convert Data into plain text following a specified template.

Template

Receiving input

Prompt

Create a prompt template with dynamic variables.

Template

question

Receiving input

ManagerAgent

Define the agent's instructions, then enter a task to complete using tools.

Model Provider

Model Name

OpenAI API Key

Agent Instructions

Tools

Input

Response

Multi-Agent Routing and Tool Utilization

The ManagerAgent serves as a task coordinator, intelligently delegating responsibilities to specialized agents. Upon receiving a user's question, it evaluates the input and determines whether to utilize the OrderLookupAgent or the FAQAgent as a tool.

Chat Output

Display a chat message in the Playground.

Text

Message

End of Flow

This is the end of the flow and represents the answer to the users original question.

This response comes from the ManagerAgent after it has used the various tools provided.

FAQ

Define the agent's instructions, then enter a task to complete using tools.

Model Provider

Model Name

OpenAI API Key

Agent Instructions

Tools

FAQ Agent

The FAQ agent operates in tool mode, allowing it to be utilized as a resource by the ManagerAgent. It processes input provided by the ManagerAgent to fulfill specific tasks.

This agent utilizes RAG, where it is able to search for relevant information from our companies frequently asked questions database.

Vector DB & RAG

