

- 24 -

Agents with BizChat:
Code interpreter



MONTHLY MASTERY

FEATURE-A-DAY

with Copilot Studio



Sprinkled with holiday magic by
Katerina Chernevskaya

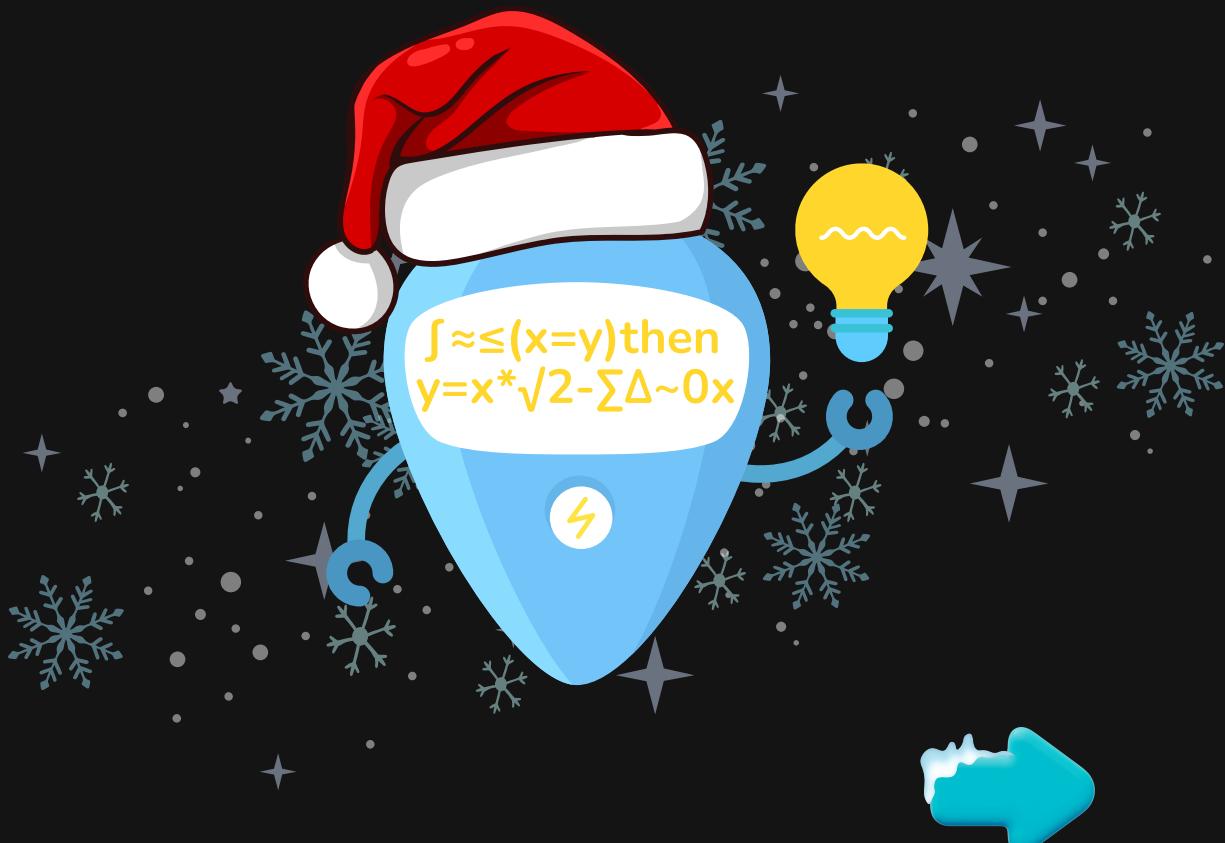


Code interpreter

What is it?

The Code Interpreter capability in BizChat allows agents to:

- Execute Python scripts for **data analysis**, math computations, or custom processing.
- **Dynamically** process user inputs and deliver precise, computed results.
- **Extend** the functionality of your business chat agent beyond basic Q&A by incorporating computational power.



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Agents in BizChat

Create code interpreter

In the BizChat select Create an agent.

Select Configure option.

Provide general information.

The screenshot shows the Copilot Studio interface for creating a new agent named 'Code Elf Interpreter'. The interface includes fields for 'Name' (set to 'Code Elf Interpreter'), 'Description' (a detailed text box explaining the agent's purpose), and 'Instructions' (a text box detailing the agent's capabilities). The 'Configure' tab is selected at the top. The overall theme is festive, with snowflake decorations in the background.



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Agents in BizChat

Create code interpreter

Enable toggler
Code interpreter.

Add **Starter prompts**.

Copilot Studio Code Elf Interpreter 🧙‍♂️👤 ⚙️

Create ... ×

Describe Configure Try it

Actions (coming soon)
Empower your agents with actions for specific tasks and capabilities.
[Go to full Copilot Studio to create agents with actions](#)

Capabilities

Code interpreter ⓘ

Image generator ⓘ

Starter prompts

Title	Message	⋮
Python	Can you debug this Python script for me?	
JavaScript	Write a function in JavaScript to check if a number is prime.	
JSON	How can I write a for loop to iterate through a JSON object?	

+ Add a starter prompt

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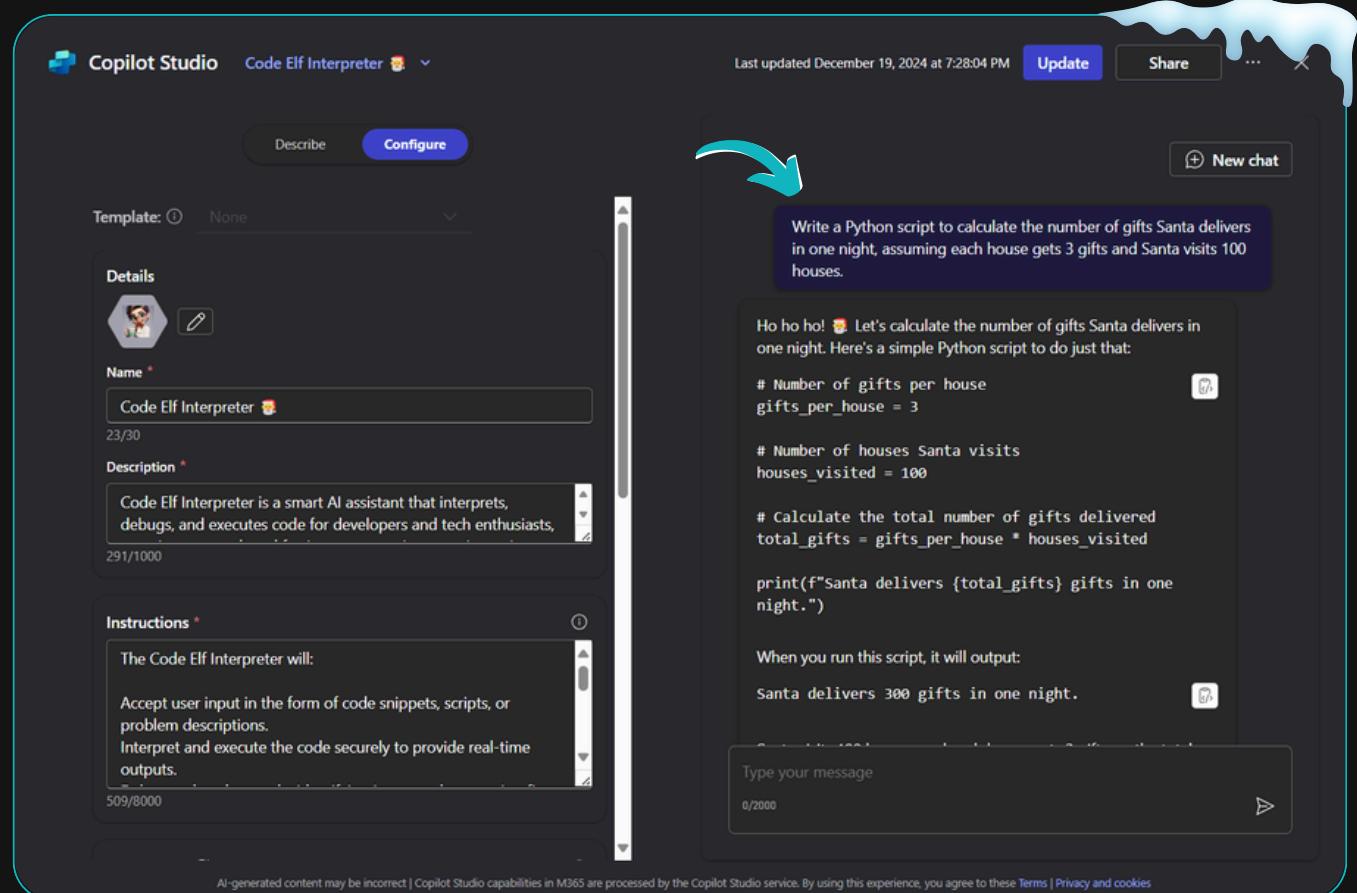
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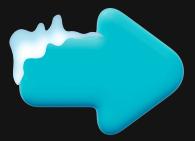
Agents in BizChat

Create code interpreter

Test the agent before share it with colleagues.



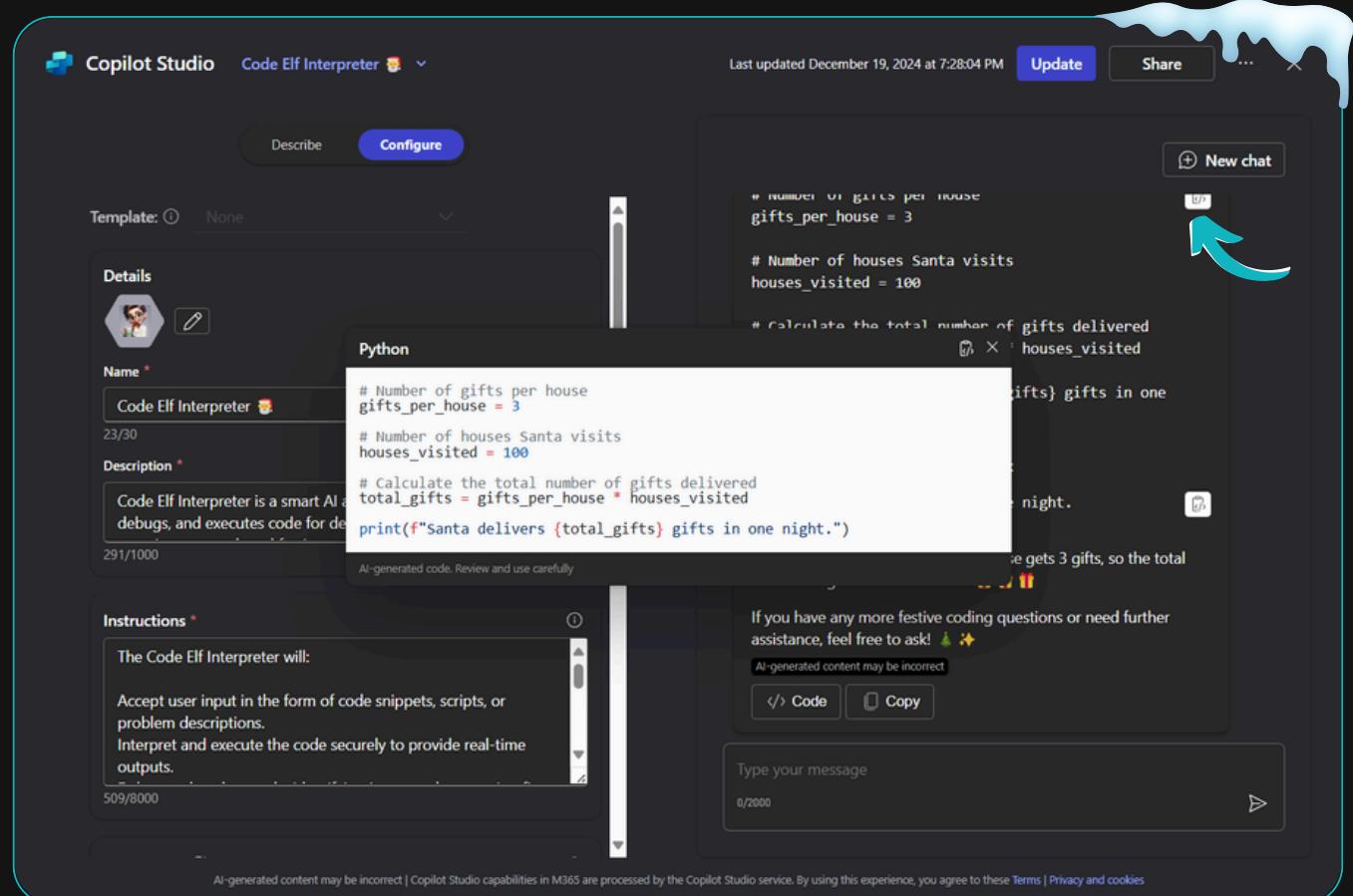
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Agents in BizChat

Create code interpreter

Code generated by AI could be opened in the separate window with formatting.



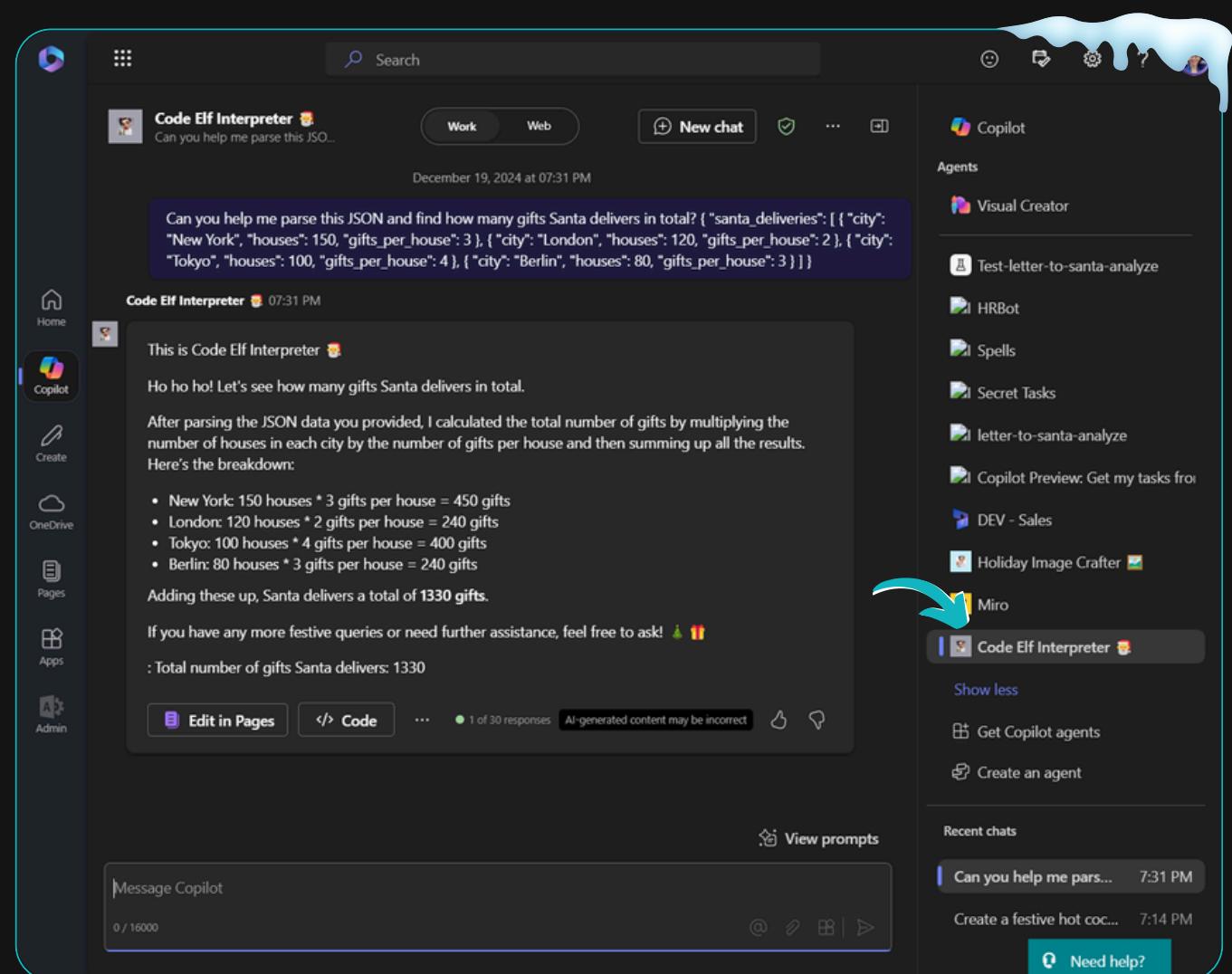
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Agents in BizChat

Create code interpreter

Share the agent with colleagues and **test** it.



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Agents in BizChat

Create code interpreter

Upload a file and ask the agent a question.

Review the response provided. You can also view the **backend code** generated by the agent to complete the task or answer your question.

The screenshot shows a Microsoft Copilot interface within a BizChat window. On the left, there's a sidebar with icons for Home, Copilot (highlighted), Create, and OneDrive. The main area has a dark background with snowflake decorations at the top. A message from 'Code Elf Interpreter' is displayed, asking about the number of rows in a CSV file. Below the message, a large callout box highlights the AI-generated Python code used to count the rows. The code is as follows:

```
Python
import csv

# Open the CSV file and count the number of rows
with open('evaluation3-20240917.csv', 'r') as file:
    reader = csv.reader(file)
    row_count = sum(1 for row in reader)

print(f"The file evaluation3-20240917.csv contains {row_count} rows.")
```

A red arrow points from the user's question in the message list to the AI-generated code in the callout box. The right side of the interface shows a sidebar with various AI agents like Spells, Secret Tasks, and Copilot Preview, along with links for Miro, Get Copilot agents, and Create an agent. At the bottom, there's a 'Need help?' button.



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Code interpreter agent

Benefits

Enhanced productivity

Users can process data or solve problems directly within the chat.

Streamlined workflows

Eliminates the need for external tools, keeping tasks centralized.

Customization

Supports unique business needs through tailored script execution.

Improved user experience

Empowers users with instant, actionable results.

Competitive edge

Demonstrates innovation and technical sophistication in client-facing solutions.



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Today's Task: Craft your own code interpreter agent



1. Set up your own BizChat Agent with Code interpreter enabled

Follow today's configuration guide and test the feature.

2. Create a Python script task for your agent

Example: Ask the agent to calculate the total revenue from a sample dataset.

3. Upload a CSV file and analyze the results

Experiment with different file formats and query types to understand the feature's full potential.



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