

The screenshot shows the Agent Development Kit interface with the following details:

- Header:** SESSION ID b7b13b49-c0bd-47f5-86dd-d3277af6d2cf, USER ID user user, Token Streaming, New Session.
- Toolbar:** researchagent, +, edit icon.
- Navigation:** Trace, Events, State, Artifacts, Sessions, Eval.
- Conversations:** Conversations list with Events and Trace tabs selected.
- Message 1:** functionCall: get\_stock\_technical\_data
- Message 2:** functionResponse: get\_stock\_technical\_data
- Message 3:** text: I can do that. Here is the technical analysis data for AAPL:
  - Price: 150.25
  - Volume: 1000000
  - Correlation: 0.85
  - 13-day EMA: 145
  - 50-day EMA: 148
  - Moving Fast: 1.5
  - MACD Slow: 1.2
  - Trend: Upward
  - RSI: 70
  - PEG ratio: 1.8
- Message 4:** functionCall: get\_available\_stocks
- Message 5:** functionResponse: get\_available\_stocks
- Message 6:** text: Here are the stocks that match your criteria (cor...
- Message 7:** functionCall: get\_available\_stocks
- Message 8:** functionResponse: get\_available\_stocks
- Message 9:** text: I need to get the technical data for all the available stocks first.
- Bottom Buttons:** show technical analysis data for AAPL, select stocks with correlation>0.7 and PEG >1.

The screenshot shows the researchagent interface. On the left, a sidebar titled 'researchagent' contains tabs for 'Trace', 'Events', 'State', 'Artifacts', 'Sessions', and 'Eval'. Below this is a 'Conversations' section with a 'Events' button. The main area on the right displays a conversation trace and a list of events. The conversation trace shows a sequence of messages: 'I need to get the technical data for all the available stocks first.', followed by a series of messages from a user icon containing 'get\_stock\_technical\_data'. The list of events on the left shows the following sequence of events:

- 0 functionCall:get\_stock\_technical\_data
- 1 functionResponse:get\_stock\_technical\_data
- 2 text:I can do that. Here is the technical analysis dat...
- 3 functionCall:get\_available\_stocks
- 4 functionResponse:get\_available\_stocks
- 5 functionCall:get\_stock\_technical\_data
- 6 functionResponse:get\_stock\_technical\_data
- 7 text:Here are the stocks that match your criteria (cor...
- 8 functionCall:BalanceSheetAnalyst
- 9 functionResponse:BalanceSheetAnalyst
- 10 text:The Return on Assets (ROA) for Apple (AAPL) is a...

At the top right, there are buttons for 'Token Streaming' (blue), '+ New Session' (green), and a download icon (blue). The session ID is b7b13b49-c0bd-47f5-86dd-d3277af6a2cf and the user ID is user user.

The screenshot shows a conversational interface with a sidebar for 'research chatbot' and a main area for a user 'user'. The user has sent several requests for stock technical data, which the chatbot has responded to. The user then asks for a balance sheet analyst's response, which is shown in a callout box.

SESSION ID: b7b13b49-09bd-47f5-86dd-d3277af6a2cf | USER ID: user | user

Token Streaming | New Session

Trace Events State Artifacts Sessions Eval

Conversations

Events Trace

0 functionCall:get\_stock\_technical\_data

1 functionResponse:get\_stock\_technical\_data

2 text:I can do that. Here is the technical analysis dat...

3 functionCall:get\_available\_stocks

4 functionResponse:get\_available\_stocks

5 functionCall:get\_stock\_technical\_data

6 functionResponse:get\_stock\_technical\_data

7 text:Here are the stocks that match your criteria (cor...

8 functionCall:BalanceSheetAnalyst

9 functionResponse:BalanceSheetAnalyst

get\_stock\_technical\_data

get\_stock\_technical\_data

get\_stock\_technical\_data

get\_stock\_technical\_data

Here are the stocks that match your criteria (correlation > 0.7 and PEG > 1):

- AAPL (Correlation: 0.85, PEG: 1.8)
- GOOGL (Correlation: 0.75, PEG: 1.2)
- MSFT (Correlation: 0.8, PEG: 2)
- AMZN (Correlation: 0.7, PEG: 2.5)
- TSLA (Correlation: 0.9, PEG: 3.8)

BalanceSheetAnalyst

BalanceSheetAnalyst

The Return on Assets (ROA) for Apple (AAPL) is approximately 31.8%. This metric indicates how efficiently Apple uses its total assets to generate profits. A ROA above 10% is generally considered excellent, suggesting Apple is highly efficient in generating returns from its assets. For the quarter ending September 30, 2028, the ROA was reported as 31.8%. Another source states the ROA as 22.96%.

show ROA for AAPL

SESSION ID b7b13b49-c0bd-47f5-86dd-d3277af6a2cf USER ID user user

Token Streaming | + New Session | 

add filter to select stock with ROA > 15 

Trace Events State Artifacts Sessions Eval

Conversations  

0 functionCall:get\_stock\_technical\_data

1 functionResponse:get\_stock\_technical\_data

2 text:I can do that. Here is the technical analysis data...

3 functionCall:get\_available\_stocks

4 functionResponse:get\_available\_stocks

5 functionCall:get\_stock\_technical\_data

6 functionResponse:get\_stock\_technical\_data

7 text:Here are the stocks that match your criteria (cor...

8 functionCall:BalanceSheetAnalyst

9 functionResponse:BalanceSheetAnalyst

10 text:The Return on Assets (ROA) for Apple (AAPL) is a...

11 functionCall:BalanceSheetAnalyst

We have the following stocks that match the previous criteria (correlation > 0.7 and PEG > 1):

- AAPL (Correlation: 0.85, PEG: 1.8)
- GOOGL (Correlation: 0.75, PEG: 1.2)
- MSFT (Correlation: 0.8, PEG: 2)
- AMZN (Correlation: 0.7, PEG: 2.5)
- TSLA (Correlation: 0.9, PEG: 3.8)

Now, I need to get the ROA for each of these stocks to apply the new filter.

12  BalanceSheetAnalyst

13  BalanceSheetAnalyst

14  BalanceSheetAnalyst

15  BalanceSheetAnalyst

16  BalanceSheetAnalyst

17  BalanceSheetAnalyst

18  BalanceSheetAnalyst

19  BalanceSheetAnalyst

20  BalanceSheetAnalyst

21  BalanceSheetAnalyst

22  BalanceSheetAnalyst

23  BalanceSheetAnalyst

24  BalanceSheetAnalyst

SESSION ID b7b13b49-c0bd-47f5-86dd-d3277af6a2cf USER ID user user

Token Streaming | + New Session | 

show filter criteria so far 

Trace Events State Artifacts Sessions Eval

Conversations  

0 functionCall:get\_stock\_technical\_data

1 functionResponse:get\_stock\_technical\_data

2 text:I can do that. Here is the technical analysis data...

3 functionCall:get\_available\_stocks

4 functionResponse:get\_available\_stocks

5 functionCall:get\_stock\_technical\_data

6 functionResponse:get\_stock\_technical\_data

7 text:Here are the stocks that match your criteria (cor...

8 functionCall:BalanceSheetAnalyst

9 functionResponse:BalanceSheetAnalyst

10 text:The Return on Assets (ROA) for Apple (AAPL) is a...

11  BalanceSheetAnalyst

12  BalanceSheetAnalyst

13  BalanceSheetAnalyst

14  BalanceSheetAnalyst

15  BalanceSheetAnalyst

16  BalanceSheetAnalyst

17  BalanceSheetAnalyst

18  BalanceSheetAnalyst

19  BalanceSheetAnalyst

20  BalanceSheetAnalyst

21  BalanceSheetAnalyst

22  BalanceSheetAnalyst

23  BalanceSheetAnalyst

24  BalanceSheetAnalyst

Here are the stocks that match all the criteria (correlation > 0.7, PEG > 1, and ROA > 15%):

- AAPL (Correlation: 0.85, PEG: 1.8, ROA: 31.16%)
- GOOGL (Correlation: 0.75, PEG: 1.2, ROA: 22.24%)
- MSFT (Correlation: 0.8, PEG: 2, ROA: 18.1%)

The current filter criteria are:

- Correlation > 0.7
- PEG > 1
- ROA > 15%

The stocks that match these criteria are:

- AAPL
- GOOGL
- MSFT