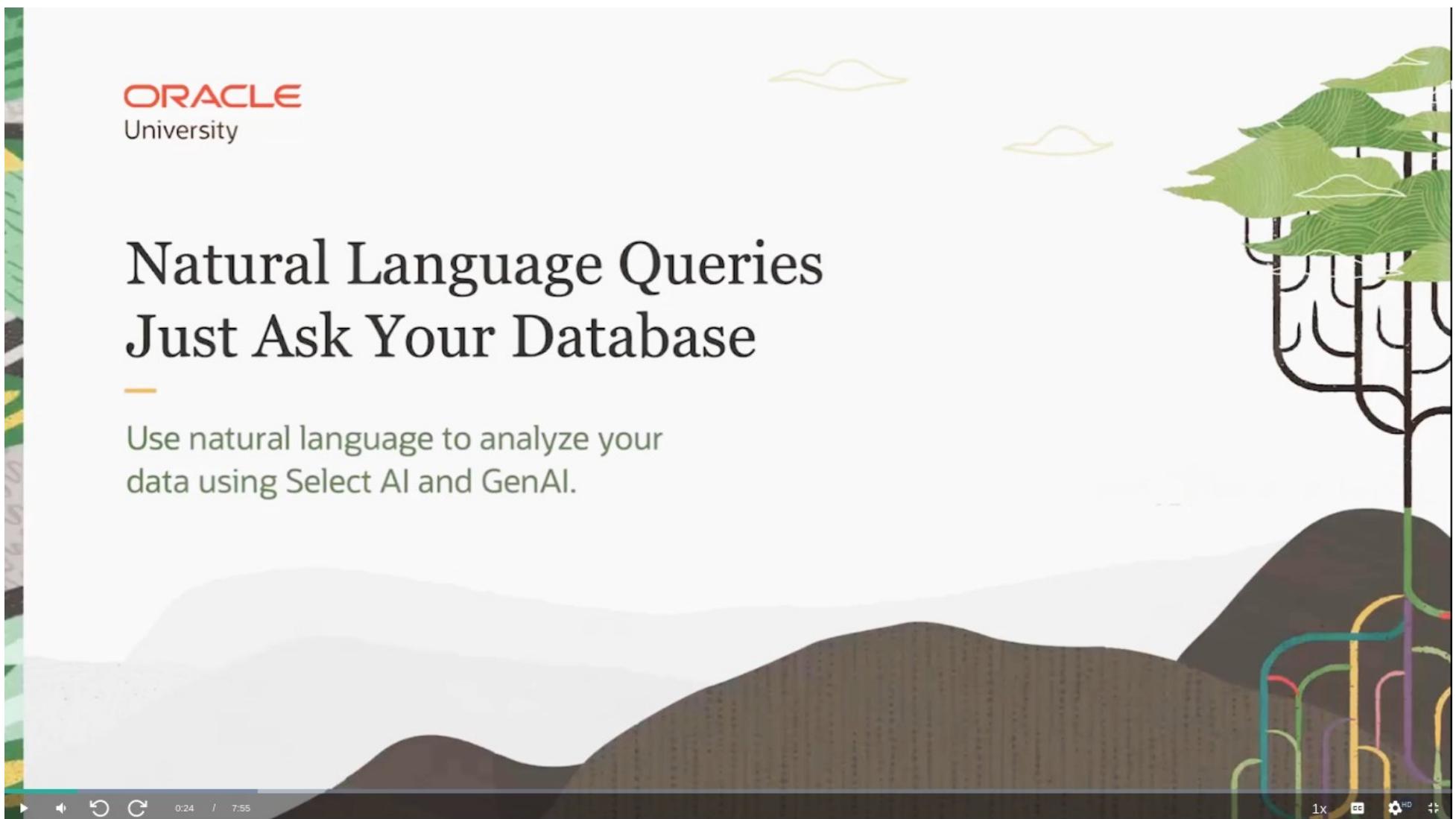


Natural Language Queries Just Ask Your Database

Use natural language to analyze your data using Select AI and GenAI.



Oracle can bring AI
to the enterprise
at every layer
of our stack.



SaaS Apps

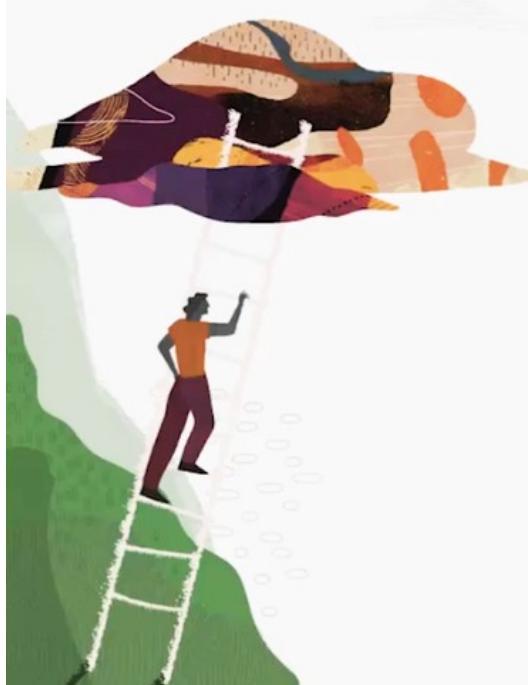
AI Services

Data

Infrastructure

Partners

Agenda



Select AI in Oracle Autonomous Database

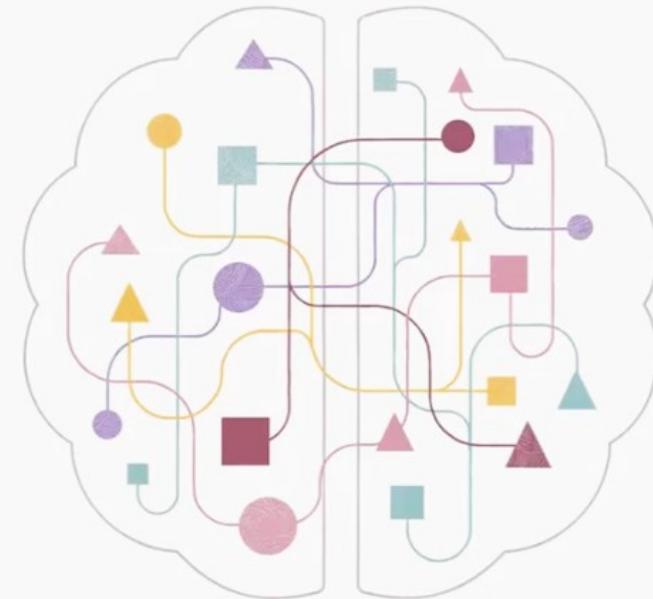
Easily query your data using natural language

SQL query generation process flow

Autonomous Database Select AI

Simplest way to get answers about your business

- > Use **your language** to query data.
- > There is no need to understand where and how your data is stored to gain insights.



Select AI

Simplest way to get answers about your business

Just ask a question.

Autonomous Database
manages the entire
query process to
produce your answer.

The screenshot shows a user interface for an Autonomous Database Chat. On the left, there's a sidebar titled "ADB Chat" with a list of recent queries. The main area displays a table titled "what are our total streams for each tom hanks movie this month?" with the following data:

| Movie Title | Total Streams |
|------------------------------|---------------|
| Forrest Gump | 443.00 |
| Sleepless in Seattle | 95.00 |
| Splash | 47.00 |
| Angels & Demons | 249.00 |
| Saving Private Ryan | 212.00 |
| Who Killed the Electric Car? | 6.00 |
| Philadelphia | 101.00 |
| Big | 116.00 |
| Cast Away | 222.00 |
| The Great Buck Howard | 3.00 |

Below the table, there's a note "More rows available" and links "Explore" and "Explain". At the bottom, there's a search bar with the same query and an "Ask Database" button.



Demonstration

Speak “Human” to
Autonomous Database
to get your business
questions answered.

ADB Chat

Delete Conversation New Conversation

George Clooney: Known for ...
Albert Einstein: A Brief Intro...
Exploring NYC: A One-Week ...

5. Primetime Emmy Awards:
- Outstanding Drama Series as a producer for "ER" (1995)

6. American Film Institute Awards:
- AFI Life Achievement Award (2018)

These are just a few examples of the awards George Clooney has won. He has also received numerous nominations and honors for his work in the entertainment industry.

what are our total number of views for each George Clooney movie

| TITLE | TOTAL.Views |
|-------------------|-------------|
| Syriana | 1,344.00 |
| The Perfect Storm | 2,262.00 |
| Gravity | 3,031.00 |
| Ocean's Eleven | 4,214.00 |
| Ocean's Twelve | 2,890.00 |

Explore Explain

Ask a question Ask Database

Ask Oracle

Delete Conversation New Conversation marty

Top 10 Streamed Movies

"Albert Einstein: A Brief Intro..."

Exploring NYC: A One-Week ...

Summary of the movie "Big"

Harrison Ford's Notable Achi...

What are our top 10 streamed movies?

| MOVIE_TITLE | NUM_STREAMS |
|---|-------------|
| Avengers: Endgame | 81,074.00 |
| Captain Marvel | 33,587.00 |
| The Lion King | 33,064.00 |
| Star Wars Episode IX: The Rise of Skywalker | 31,331.00 |
| Aladdin | 29,779.00 |
| Spider-Man: Far from Home | 29,021.00 |
| Aquaman | 20,357.00 |
| Avengers: Infinity War | 18,813.00 |
| Toy Story 4 | 17,426.00 |
| Bohemian Rhapsody | 16,936.00 |

Explore SQL

who starred in Avengers: Endgame?

Ask Database

1x HD

Ask Oracle

Delete Conversation New Conversation marty

Top 10 Streamed Movies

"Albert Einstein: A Brief Intro..."

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Summary of the movie "Big"

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| Aladdin | 29,779.00 |
|---------------------------|-----------|
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| Aquaman | 20,357.00 |
| Avengers: Infinity War | 18,813.00 |
| Toy Story 4 | 17,426.00 |
| Bohemian Rhapsody | 16,936.00 |

Explore SQL

who starred in Avengers: Endgame?

| ACTOR |
|-----------|
| Stan Lee |
| Ava Russo |
| James Lin |
| Joe Russo |
| Ken Jeong |
| Lee Moore |
| Lexi Rabe |
| Mike Lutz |
| Paul Rudd |
| Sean Gunn |

More rows available

Explore SQL

Ask a question

Ask Database

1x HD

2:34 / 7:55

Ask Oracle

Delete Conversation New Conversation marty

Top 10 Streamed Movies

"Albert Einstein: A Brief Intro..."

Exploring NYC: A One-Week ...

Summary of the movie "Big"

Harrison Ford's Notable Achi...

SQL

Update SQL

```
1 SELECT m.TITLE, COUNT(s.DAY_ID) AS TOTAL_STREAMS
2 FROM MOVIESSTREAM.MOVIES m
3 JOIN MOVIESSTREAM.STREAMS s ON m.MOVIE_ID = s.MOVIE_ID
4 JOIN MOVIESSTREAM.ACTORS a ON m.MOVIE_ID = a.MOVIE_ID
5 WHERE a.ACTOR IN ('Paul Rudd', 'Stan Lee')
6 GROUP BY m.TITLE
```

Release 1.0

3:35 / 7:55

1x HD

Select AI Translates Your Language into Oracle SQL Language

Processes question using an AI large language model (LLM)

| Question | Inference |
|----------|-----------|
|----------|-----------|

what are our

| | | | |
|------------------------|-------------------------------|---|--|
| <u>Total streams</u> | → Total number of movie views | → | SELECT m.title AS movie_title, COUNT(s.views) AS total_streams |
| <u>For each</u> | → Breakout views by movie | → | FROM movie m |
| <u>Tom Hanks movie</u> | → Tom Hanks is an actor. | → | JOIN activity s ON m.movie_id = s.movie_id JOIN actors a ON m.movie_id = a.movie_id WHERE a.actor = 'Tom Hanks' |
| <u>this month?</u> | → Understanding of time | → | AND EXTRACT(MONTH FROM s.day_id) = EXTRACT(MONTH FROM SYSDATE) GROUP BY m.title |

Developing Apps with Select AI

Simple

Designed so that you can easily build generative AI capabilities into new or existing applications

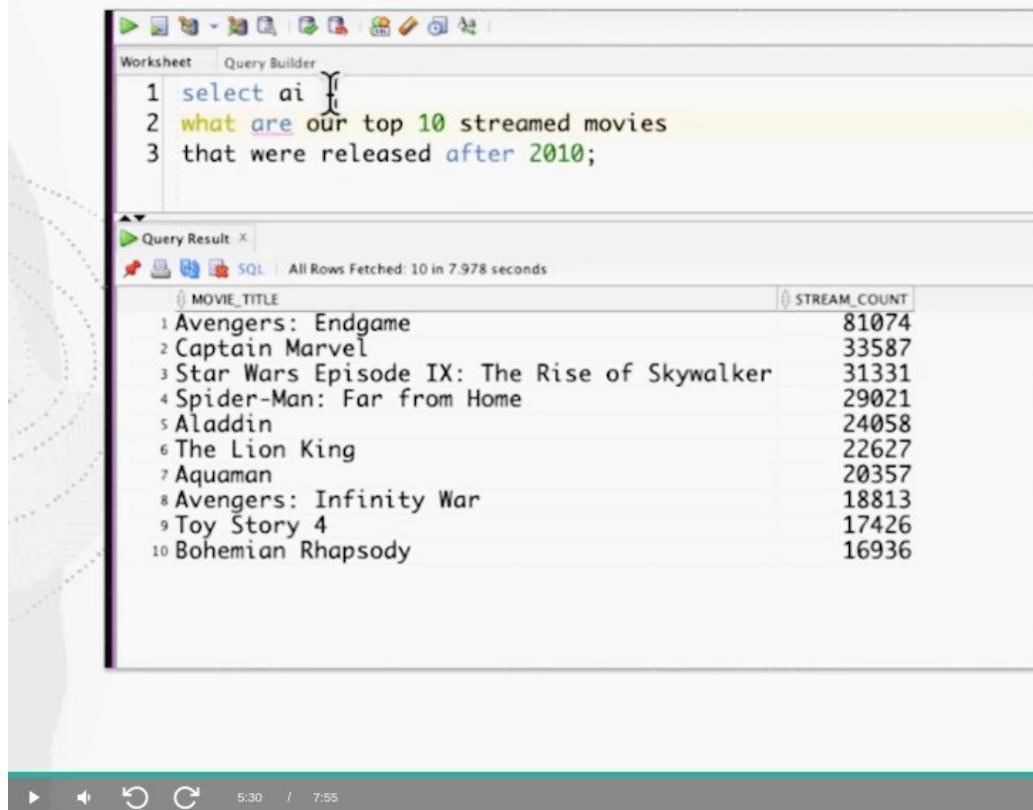
Future-enabled

Choose from an array of large language models. Pick the model that is best suited to your business.

Secure

Rely on the same Oracle Database security that protects your data. Plus, when using OCI Generative AI, your data will not be sent to the LLM provider or seen by other customers.

Easy to Extend and Build New Natural Language Apps



The screenshot shows a software interface for querying a database. At the top, there's a toolbar with various icons. Below it, a menu bar with 'Worksheet' and 'Query Builder'. The main area is divided into two panes: 'Worksheet' on the left and 'Query Result' on the right. In the 'Worksheet' pane, a SQL query is written:

```
1 select ai
2 what are our top 10 streamed movies
3 that were released after 2010;
```

In the 'Query Result' pane, the results of the query are displayed in a table:

| MOVIE_TITLE | STREAM_COUNT |
|---|--------------|
| 1 Avengers: Endgame | 81074 |
| 2 Captain Marvel | 33587 |
| 3 Star Wars Episode IX: The Rise of Skywalker | 31331 |
| 4 Spider-Man: Far from Home | 29021 |
| 5 Aladdin | 24058 |
| 6 The Lion King | 22627 |
| 7 Aquaman | 20357 |
| 8 Avengers: Infinity War | 18813 |
| 9 Toy Story 4 | 17426 |
| 10 Bohemian Rhapsody | 16936 |

At the bottom of the interface, there are navigation icons (back, forward, search) and a status bar showing '5:30 / 7:55'.

Use a **standard SELECT statement followed by AI and your question.**

Process the result as you would any other SQL result set.

Have a Conversation to Get Your Questions Answered



The screenshot shows a code editor window with a SQL script named 'conversations.sql'. The script contains several comments and SQL commands. A specific command is highlighted with a red box:

```
sql-scripts > conversations.sql > ...
35 -- Have a Conversation with your data
36 -- Ask an initial question and then build on that - just like a normal conversation
37
38 -- Begin with a high level question
39 select ai Stark with our total streams;
40
41 -- Give me more details
42 select ai Break that out by genre;
43
44 -- Which customer segments are watching the genres?
45 select ai Add customer segment;
46
```

The code editor interface includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, PORTS, QUERY RESULT, SCRIPT OUTPUT, and SQ. The 'SCRIPT OUTPUT' tab is currently selected.

Your first question is not
your last!

Keep refining your questions
until you get the answer
you need.

Future-Enabled: Easy to Configure Your Data for Natural Language Queries

Use one or more **Select AI Profiles** that is best for your business.

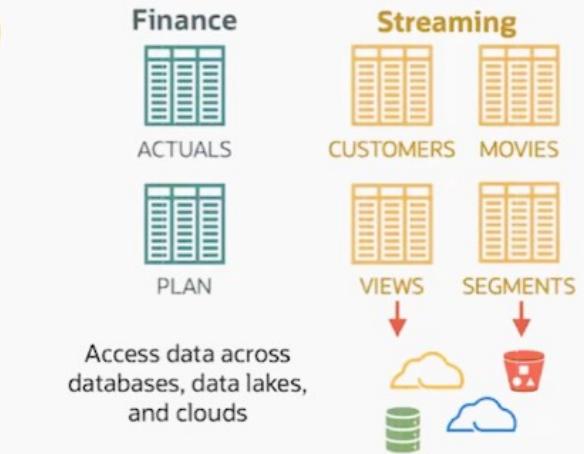
Choose an LLM to generate a database query from natural language.

1



Specify schemas, tables and/or views to participate in processing.

2



Easy to Configure Your Data for Natural Language Queries

Use one or more AI profiles that is best for your business.

1

Choose an LLM to generate a database query from natural language.

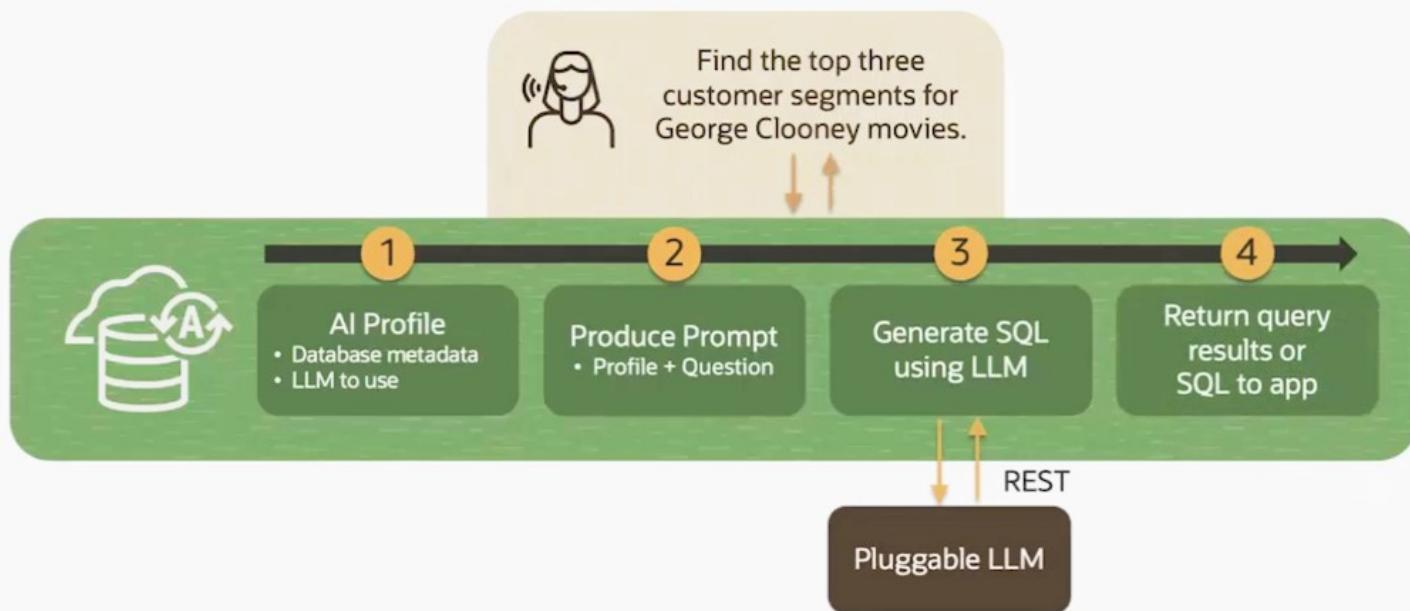
2

Specify schemas, tables and/or views to participate in processing.

Simple PL/SQL API creates AI profile:

```
dbms_cloud_ai.create_profile(  
    profile_name => 'movie_nl_processing',  
    attributes =>  
        '{"provider": "genai",  
         "credential_name": "GENAI_CRED",  
         "object_list": [{"owner": "myschema",  
                        "name": "movie"},  
                      {"owner": "myschema",  
                        "name": "sales_sample"},  
                      {"owner": "myschema",  
                        "name": "customer"} ]  
    }'  
);
```

SQL Query Generation Process Flow





Simplest way to get answers
about your business

Key Takeaways

-  Easily build AI into your apps
-  Secure at every layer
-  Future-enabled

