

Stock News Daily Feed

Stock News is in JSON format. Here is the sample:

```
{
  "AAPL": [
    {
      "title": "Apple Inc. (AAPL) Teases New Product Launch with AI and In-House Modem",
      "link": "https://finance.yahoo.com/news/apple-inc-aapl-teases-product-182528020.html",
      "ticker": "AAPL",
      "full_text": "We recently compiled a list of the 10 High-Flying AI Stocks on News and Ratings. In this article, we are going to take a look at where Apple Inc. (NASDAQ:AAPL) stands against the other AI stocks. This article is originally published at Insider Monkey. View Comments"
    },
    {
      "title": "Apple's Launch of iPhone SE4 Not Seen Impacting Revenue Guidance, UBS Says",
      "link": "https://finance.yahoo.com/news/apple-apos-launch-iphone-se4-152218076.html",
      "ticker": "AAPL",
      "full_text": "Apple (AAPL)'s launch of the fourth generation of the iPhone SE this week has most likely been taken PREMIUM Upgrade to read this MT Newswires article and get so much more. A Silver or Gold subscription plan is required to access premium news articles. Upgrade Already have a subscription? Sign in"
    }
  ]
}
```

Stock News Parser

Stock News domain object	<pre>class StockNews: """ Represents a stock news article. """ def __init__(self, title, link, ticker, full_text=None): """ Initializes a StockNews object. Args: title (str): The headline of the news article. link (str): The URL to the full article. ticker (str): The stock ticker symbol the article is related to. full_text (str, optional): The full text content of the article. Defaults to None. """ self.title = title self.link = link self.ticker = ticker self.full_text = full_text def __repr__(self): return f"StockNews(title='{self.title}', link='{self.link}', ticker='{self.ticker}', full_text='{self.full_text[:50]}...')" def __str__(self): return f"Title: {self.title}\nLink: {self.link}\nTicker: {self.ticker}\nFull Text: {self.full_text[:200]}..."</pre>
Parser	<pre>import json from stock_news import StockNews import os def parse_news_from_file(file_path="text/2025_05_12_stock_news.json"): """ Reads and parses stock news from a local JSON file and creates StockNews objects. Args: file_path (str): The path to the JSON file containing news data. Defaults to "text/2025_05_12_stock_news.json". Returns: list: A list of StockNews objects or an empty list if an error</pre>

	<pre> occurs or file not found. """ parsed_news_file = "/home/user/stock-news/model/text/2025_05_12_stock_news.jsonl" stock_news_list = [] try: with open(file_path, 'r', encoding='utf-8') as f: news_data = json.load(f) for ticker in news_data: print(ticker) for newsset in news_data[ticker]: title = newsset.get('title') url = newsset.get('url') summary = newsset.get('summary') # Create a StockNews object: stock_news_item = StockNews(title, url, ticker, summary) # stock_news_list.append(stock_news_item) # No longer needed if writing to file directly # Prepare data for JSONL news_data_jsonl = { "title": title, "url": url, "ticker": ticker, "summary": summary } # Append to JSONL file with open(parsed_news_file, 'a', encoding='utf-8') as outfile: json.dump(news_data_jsonl, outfile) outfile.write("\n") except FileNotFoundError: print(f"Error: File not found at {file_path}") except json.JSONDecodeError: print(f"Error: Could not decode JSON from {file_path}") # return stock_news_list # No longer returning a list of objects if __name__ == "__main__": stock_news_list = parse_news_from_file("/home/user/stock-news/model/text/stock-news -daily/2025_05_12_stock_news.json") //print(len(stock_news_list)) //for sn in stock_news_list: // print(sn.title) </pre>

DataSet for Supervised Fine Tuning in Vertex AI

```
{"contents": [{"role": "user", "parts": [{"text": "Apple Inc. (AAPL) Teases New Product Launch with AI and In-House Modem AAPL" }]], {"role": "model", "parts": [{"text": "We recently compiled a list of the 10 High-Flying AI Stocks on News and Ratings. In this article, we are going to take a look at where Apple Inc. (NASDAQ:AAPL) stands against the other AI stocks. Goldman Sachs raised its target price for Chinese stocks today. They estimate that AI adoption could significantly boost earnings growth and possibly bring in $200 billion of inflows. DeepSeek's AI breakthrough has led these tech stocks on a strong rally, reigniting investor interest and optimism in Chinese technologies and capabilities. The firm raised its 12-month target price for China's CSI300 to 4,700 from 4,600. It also raised its price target for MSCI China to 85 from 75. READ ALSO: 10 AI Stocks Analysts Are Watching: Latest Ratings and News and Top 14 AI Stocks on Wall Street: News and Analyst Ratings The Chinese startup may be all the rage for Chinese stocks, but some countries are exercising caution all the same. In the latest news, South Korea's data protection authority has suspended new downloads of the Chinese AI app from DeepSeek. This is after DeepSeek acknowledged failing to take into account some of the agency's rules on protecting personal data. The Personal Information Protection Commission (PIPC) has notified that the app service will be resumed once improvements are made according to the country's privacy law. Even though DeepSeek's web service remains accessible in the country, new downloads of the app are restricted. Previously, the US Navy also instructed its members to avoid using artificial intelligence technology from China's DeepSeek. According to the Navy, DeepSeek's AI was not to be used in any capacity due to potential security and ethical concerns associated with the model's origin and usage. In a similar move, Italy's data protection authority, the Garante, has also ordered DeepSeek to block its chatbot in the country. This is because it failed to address the regulator's concerns over its privacy policy. Notably, BBC reported that the first member of a Western government to raise privacy concerns about DeepSeek has been Australia's science minister, Ed Husic. Husic has raised data and privacy management concerns over DeepSeek. I would be very careful about that, these type of issues need to be weighed up carefully. DeepSeek has}]}
```

failed to respond to requests for comment on these issues. Why are we interested in the stocks that hedge funds pile into? The reason is simple: our research has shown that we can outperform the market by imitating the top stock picks of the best hedge funds. Our quarterly newsletters strategy selects 14 small-cap and large-cap stocks every quarter and has returned 275% since May 2014, beating its benchmark by 150 percentage points (see more details here). Story Continues Is Apple Inc. (AAPL) the Most Profitable Tech Stock to Buy Now? A wide view of an Apple store, showing the range of products the company offers. Apple Inc. (NASDAQ:AAPL) Number of Hedge Fund Holders: 158 Apple Inc. (NASDAQ:AAPL) is a technology company. On February 13, Bloomberg reported that the company is planning to launch a product on February 19. Chief Executive Tim Cook has described the product as the newest member of the family. Posting on X, Cook released a short animation of a metallic Apple Inc. (NASDAQ:AAPL) logo along with the message, without releasing more details. One possible clue caught through Cooks animation, which shows the shape of the home button disappearing, is that the new device will be the end of the home button. Bloomberg News further reported that the new model will also include Apple Intelligence and the A18 chip, which is currently featured in the iPhone 16. Moreover, the model will also be Apple Inc. (NASDAQ:AAPL)s first device with an in-house cellular modem chip. Overall, AAPL ranks 2nd on our list of the high-flying AI stocks on news and ratings. While we acknowledge the potential of AAPL as an investment, our conviction lies in the belief that some AI stocks hold greater promise for delivering higher returns and doing so within a shorter time frame. If you are looking for an AI stock that is more promising than AAPL but that trades at less than 5 times its earnings, check out our report about the cheapest AI stock. READ NEXT:20 Best AI Stock To Buy NowandComplete List of All AI Companies Under \$2 Billion Market Cap. Disclosure: None. This article is originally published atInsider Monkey. View Comments AAPL source: stock_news" }]]]]

```
{"contents": [{"role": "user", "parts": [{"text": "Apple's Launch of iPhone SE4 Not Seen Impacting Revenue Guidance, UBS Says AAPL" }]}, {"role": "model", "parts": [{"text": "Apple (AAPL)'s launch of the fourth generation of the iPhone SE this week has most likely been taken PREMIUM Upgrade to read this MT Newswires article and get so much more. A Silver or Gold subscription plan is required to access premium news articles. Upgrade Already have a subscription? Sign in AAPL source: stock_news" }]]}]}
```

At the end, **source: stock_news** is added to make sure, the model is not hallucinating.

DataSet in Cloud Storage

Tuning

+ Create tuned model

In Vertex AI Studio, you can tune and distill foundation models to optimize them for specific tasks or knowledge domains. [Learn more about tuning models](#)

To view all your models in Vertex AI, go to [Model Registry](#)

Region

us-central1 (Iowa)

View tuning jobs from:

Gemini models

Other models

Filter

Filter tuning jobs

Name	Base model	Method	Status	Created
stock-news-0513	gemini-2.0-flash-lite-001	Supervised	Succeeded	May 13, 2025, 3:44:30 AM
stock-news-model-0512	gemini-2.0-flash-lite-001	Supervised	Failed	May 12, 2025, 4:41:10 PM
stock-news-model	gemini-1.5-pro-002	Supervised	Cancelled	May 12, 2025, 4:35:01 PM
stock-news-20250508	gemini-2.0-flash-lite-001	Supervised	Failed	May 12, 2025, 12:58:30 PM

- Here are the steps:
- Start with create tuned model
 - Upload prepared dataset to cloud storage
 - Start tuning

← Create a tuned model

1 Model details

2 Tuning dataset

Start tuning

Supervised fine-tuning customizes a large model to your tasks and can improve the model's quality and efficiency. [Learn more](#)

Supervised fine-tuning is a good option when you have a well-defined task with available labeled data. For example, it can improve model performance for the following types of tasks:

- Classification
- Summarization
- Extractive question answering
- Chat

Model details

Tuned model name *

stock-news-model-today-date

Base model

gemini-2.0-flash-lite-001

Region

us-central1 (Iowa)

Advanced options

Continue

← Create a tuned model

✓ Model details

2 Tuning dataset

Start tuning

Tuning dataset

The dataset is a JSONL file where each line contains a single example. The [number of recommended examples](#) varies by task. View the [dataset documentation](#) to learn how to prepare one or [download a sample dataset for Gemini models](#).

☒ Upload file to Cloud Storage

☐ Existing file on Cloud Storage

Select JSONL file *

2025_05_12_stock_news.jsonl



Browse

The JSONL file containing the dataset

Dataset location *

gs://cloud-ai-platform-f72beaf2-90ad-4ab8-b97a-3d9329208

Browse

The Cloud Storage location where the JSONL file will be stored.

Model validation

Generates validation metrics during tuning to help you measure model performance. [View sample dataset](#)

☐ Enable model validation

← Tuning details: stock-news-0513

Test

View model details

[Evaluate](#)

Monitor

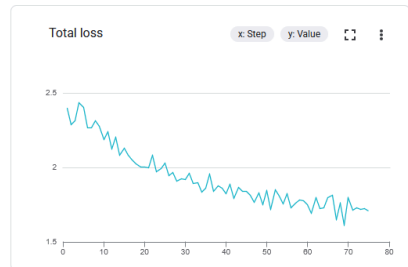
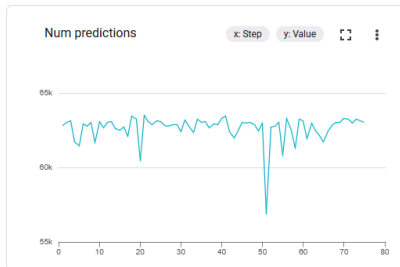
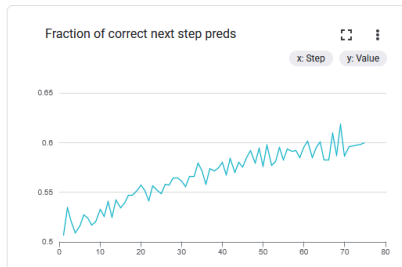
Dataset

Details

Tuning progress

✓ Succeeded

Training metrics



Messages

138

Total

Tokens

The total number of tokens in the dataset. The number of billable tokens for this tuning job is equal to the number of tokens in the dataset times the number of epochs.

Dataset sample

Displaying the first 3 rows of the tuning dataset (samples may be truncated for preview)

Message

Apple Inc. (AAPL) Teases New Product Launch with AI and In-House Modem AAPL

We recently compiled a list of the 10 High-Flying AI Stocks on News and Ratings. In this article, we are going to take a look at where Apple Inc. (NASDAQ:AAPL) stands against the other AI stocks. Goldman Sachs raised its target price for Chinese stocks today. They estimate that AI adoption could significantly boost earnings growth and possibly bring in \$200 billion of inflows. DeepSeeks AI break...

Apple's Launch of iPhone SE4 Not Seen Impacting Revenue Guidance, UBS Says AAPL

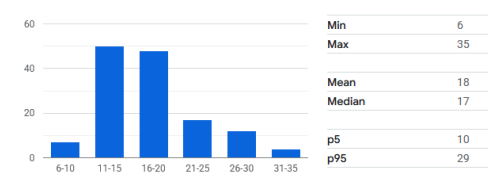
Apple (AAPL)'s launch of the fourth generation of the iPhone SE this week has most likely been taken PREMIUM Upgrade to read this MT Newswires article and get so much more. A Silver or Gold subscription plan is required to access premium news articles. Upgrade Already have a subscription? Sign in AAPL source: stock_news

Apple Supplier Foxconn's Efforts To Make iPhones In India Thwarted By Tech And Talent Exports: Report AAPL

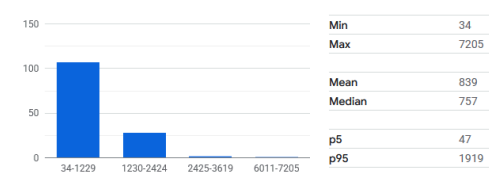
Apple Supplier Foxconn's Efforts To Make iPhones In India Thwarted By Tech And Talent Exports: Report Apple Inc.'s (NASDAQ:AAPL) key supplier Foxconn, also known as Hon Hai Precision Industry Co., Ltd (OTC:HNHAF) is reportedly facing obstacles in expanding its operations in India as China tightens restrictions on technology and talent exports. What Happened: Chinese authorities have made it mor...

Data distribution

Number of input token per example



Number of output token per example





Monitor

Dataset

Details

Model name	projects/457448776296/locations/us-central1/models/1904462990959181824@1 ↗
Tuning job	projects/457448776296/locations/us-central1/tuningJobs/5564450931665272832
Status	✔ Succeeded
Region	us-central1
Created	May 13, 2025, 3:44:30 AM
Ended	May 13, 2025, 3:57:19 AM
Tuning method	Supervised
Base model	gemini-2.0-flash-lite-001
Tuning dataset	gs://cloud-ai-platform-f72beaf2-90ad-4ab8-b97a-3d9329208015/2025_05_12_dataset.jsonl ↗
Experiment	tuning-experiment-20250513034503783738 ↗
Number of epochs	40
Learning rate multiplier	1
Adapter size	1
Truncated example count	0
Encryption type	Google-managed

Prompt

User: Why Warren Buffett keeps buying Occidental Petroleum shares AAPL

Occidental Petroleum Corporation (OXY) (OXY.MX) stock dropped slightly after Warren Buffett's Berkshire Hathaway Inc (BRK.A) (BRK.B) disclosed buying 3.9 million additional shares of the driller on Thursday. Berkshire's total holdings in Occidental stock now amount to 275.3 million shares, representing a 31.6% stake, according to the latest filing with the Securities and Exchange Commission. This investment underscores Buffett's conviction in Occidental despite the company's recent drop in profits. The move also comes as oil prices stabilize, but the long-term outlook for Occidental remains uncertain, with the company grappling with debt. This article will look into why Buffett is so invested in Occidental, what the company does, and its future prospects. Why Buffett Bought Occidental Stock Warren Buffett made a significant investment in Occidental in 2019, buying \$10 billion worth of preferred stock, which included a 8% dividend and warrants to acquire 83.9 million common shares at \$59.62 each. Berkshire was rewarded when oil prices soared to record levels in 2022. The company had invested about \$380 billion in Occidental by the end of 2022, according to Bloomberg. Oil's 2022 surge helped Occidental reduce its debt to about \$20 billion by the end of 2023, and the company also restarted its quarterly dividend at a rate of \$0.05 per share. Since then, Occidental has maintained these payments, which now yield about 0.8%, with Berkshire reaping roughly \$533 million in dividends in 2023. Occidental's stock price has followed oil prices, dipping below \$60 per share in late 2023 as oil prices slid. Buffett then began exercising Occidental warrants in late 2023, using \$6 billion to acquire 91.2 million more shares. Berkshire has been selling Occidental shares at prices ranging from \$67.34 to \$71.52 since early 2024, generating an estimated profit of around \$2.4 billion. Last week's purchase was the first addition to Berkshire's Occidental holdings since February, as Buffett bought the shares at about \$67.20 each, increasing Occidental's market capitalization to \$52.7 billion. What Occidental Petroleum Does Occidental Petroleum is one of the largest independent oil and gas producers in the U.S., with operations spanning Texas, Louisiana, California, and New Mexico. It also has overseas assets in Oman, Ghana, Nigeria, and South Africa. Occidental is also a leading operator in carbon-capture projects, including the 1PointFive project in Texas, which aims to capture 45 million tons of carbon dioxide per year. Occidental produces an average of 1.5 million barrels of oil equivalent per day, including about 750,000 barrels of crude oil. The company's financial performance has been heavily influenced by oil prices. Occidental generated \$22.3 billion in revenue in 2022 when oil prices averaged above \$90 per barrel. However, revenue dropped to \$19.9 billion in 2023 as oil prices declined. Occidental's operating profit fell from \$14.4 billion in 2022 to \$9.4 billion in 2023, with its operating margin dropping from 64.8% to 47.2%. Buffett has been vocal about his enthusiasm for Occidental's oil and gas assets. During Berkshire's annual meeting in Omaha last year, he described the company as "one of the great American assets." However, he also expressed concerns about Occidental's long-term profitability. Buffett acknowledges that Occidental's carbon capture projects are crucial, but he also wonders whether the company will make a profit from them. Occidental CEO Vicki Hollub has been persistent in her efforts to improve Occidental's financial health and reduce its debt. The company has achieved its debt-reduction target and expects free cash flow to increase as oil prices rise. Occidental plans to increase oil production in 2024 and invest in new drilling in West Texas to expand production in 2025. Occidental has also been working to reduce its operating costs, with Hollub targeting a 10% reduction by the end of 2025. Buffett's investment in Occidental comes at a time when oil prices are relatively stable, hovering around \$76.50 per barrel in the

U.S. and \$80.82 per barrel globally. Occidental's stock, however, is down about 10% year to date, which could have made Buffett's latest purchase more attractive. Where Will Occidental's Stock Price Be in 2030? Occidental's stock price performance over the past year has been mixed, trading within a range of approximately \$54 to \$77.60. While the stock has experienced some volatility due to oil price fluctuations and company-specific news, it remains largely flat year to date. Looking ahead, Occidental's future performance is intertwined with broader industry trends. The U.S. Energy Information Administration (EIA) projects global crude oil production will reach 110.2 million barrels per day (bpd) in 2025, up from 102 million bpd in 2023. The EIA expects U.S. crude oil production to increase to 14.3 million bpd in 2025, the highest annual average on record, up from 13.1 million bpd in 2024. Demand for oil is also expected to remain robust, driven by population growth, economic expansion, and rising living standards. The Organization of the Petroleum Exporting Countries (OPEC) projects global oil demand to grow by 2.2 million bpd in 2025. Buffett's investment strategy has often been based on long-term value, and Occidental Petroleum certainly has significant assets. However, its stock's volatile nature and the uncertainties surrounding the energy industry make it a complex investment. The long-term success of Occidental's carbon capture projects and its ability to generate free cash flow at lower oil prices will be critical factors in determining its long-term value and Buffett's overall returns on his investment. While Occidental's stock may offer potential upside, investors should approach it with caution and recognize the inherent risks associated with the energy sector. For more exclusive stock ideas, sign up today to join Top Stocks. See how Warren Buffett's stock picks could outperform the stock market. This article was originally published on GuruFocus. View Comments AAPL **source: stock_news**

User: Rashida Hodge of Microsoft and Gerben Bakker of Hubbell Join Regal Rexnord Board of Directors

WAUSAU, Wis. & BELOIT, Wis. Regal Rexnord Corporation (NYSE: RRX), a global leader in the engineering and manufacturing of high-performance power transmission and motion control solutions, today announced the appointments of Rashida Hodge and Gerben Bakker to its Board of Directors. Ms. Hodge, the General Manager, Enterprise Operations at Microsoft, brings to the Company extensive experience in business and operations management, leadership, digital transformation, and artificial intelligence (AI). Mr. Bakker, the President and Chief Executive Officer of Hubbell Incorporated, adds to the Board a rich background in electrical technology, engineering innovation, and global business development. We are thrilled to welcome Ms. Hodge and Mr. Bakker to our Board of Directors, said Doug W. Yearley, Regal Rexnord's Chairman and CEO. Their diverse perspectives and expertise will be invaluable as we navigate the dynamic landscapes of digital transformation, electrification, and sustainable technology solutions. I am particularly excited about their experiences in emerging technologies and market expansion, which will be instrumental in driving Regal Rexnord's next phase of growth and innovation. Ms. Hodge has a proven track record of leadership in complex global organizations. She has led significant cross-functional projects at Microsoft, including the integration of the Windows and Xbox engineering teams, and has played a critical role in the development of its global digital operations. Before joining Microsoft, Ms. Hodge served as the Vice President of Operations at Accenture, where she advised Fortune 500 clients on digital transformation and operations strategies. Mr. Bakker has been at the forefront of electrification and smart infrastructure development throughout his career. He leads Hubbell Incorporated, a global leader in electrical products and solutions, and has been pivotal in shaping its strategic vision for growth in the electrification and sustainability markets. Prior to Hubbell, Mr. Bakker held key positions at Eaton Corporation, where he was instrumental in driving innovation and market expansion in the electrical engineering sector. About Regal Rexnord Regal Rexnord Corporation (NYSE: RRX) is a global leader in the engineering and manufacturing of high-performance power transmission and motion control solutions that drive the world forward. With a wide range of engineered solutions and a robust portfolio of well-recognized brands, Regal Rexnord is dedicated to helping customers improve efficiency, increase productivity, and reduce energy consumption. Regal Rexnord's production and distribution facilities are located in North America, Europe, the Asia Pacific, and Latin America, enabling us to serve customers around the globe. For more information about Regal Rexnord, please visit [RegalRexnord.com](https://www.RegalRexnord.com). View Comments

Regal Rexnord Corporation **source: stock_news**

System instructions

Give the model context to understand the task and provide tailored responses

USER Why Warren Buffett keeps buying Occidental Petroleum shares AAPL

AI Occidental Petroleum Corporation (OXY) (OXY.MX) stock dropped slightly after Warren Buffett's Berkshire Hathaway Inc (BRK.A) (BRK.B) disclosed buying 3.9 million additional shares of the driller on Thursday. Berkshire's total holdings in Occidental stock now amount to 275.3 million shares, representing a 31.6% stake, according to the latest filing with the Securities and Exchange Commission. This investment underscores Buffett's conviction in Occidental despite the company's recent drop in profits. The move also comes as oil prices stabilize, but the long-term outlook for Occidental remains uncertain, with the company grappling with debt. This article will look into why Buffett is so invested in Occidental, what the company does, and its future prospects. Why Buffett Bought Occidental Stock Warren Buffett made a significant investment in Occidental in 2019, buying \$10 billion worth of preferred stock, which included a 8% dividend and warrants to acquire 83.9 million common shares at \$59.62 each. Berkshire was rewarded when oil prices soared to record levels in 2022. The company had invested about \$380 billion in Occidental by the end of 2022, according to Bloomberg. Oil's 2022 surge helped Occidental reduce its debt to about \$20 billion by the end of 2023, and the company also restarted its quarterly dividend at a rate of \$0.05 per share. Since then, Occidental has maintained these payments, which now yield about 0.8%, with Berkshire reaping roughly \$533 million in dividends in 2023. Occidental's stock price has followed oil prices, dipping below \$60 per share in late 2023 as oil prices slid. Buffett then began exercising Occidental warrants in late 2023, using \$6 billion to acquire 91.2 million more shares. Berkshire has been selling Occidental shares at prices ranging from \$67.34 to \$71.52 since early 2024, generating an estimated profit of around \$2.4 billion. Last week's purchase was the first addition to Berkshire's Occidental holdings since February, as Buffett bought the shares at about \$67.20 each, increasing Occidental's market capitalization to \$52.7 billion. What Occidental Petroleum Does Occidental Petroleum is one of the largest independent oil and gas producers in the U.S., with operations spanning Texas, Louisiana, California, and New Mexico. It also has overseas assets in Oman, Ghana, Nigeria, and South Africa. Occidental is also a leading operator in carbon-capture projects, including the 1PointFive project in Texas, which aims to capture 45 million tons of carbon dioxide per year. Occidental produces an average of 1.5 million barrels of oil equivalent per day, including about 750,000 barrels of crude oil. The company's financial performance has been heavily influenced by oil prices. Occidental generated \$22.3 billion in revenue in 2022 when oil prices averaged above \$90 per barrel. However, revenue dropped to \$19.9 billion in 2023 as oil prices declined. Occidental's operating profit fell from \$14.4 billion in 2022 to \$9.4 billion in 2023, with its operating margin dropping from 64.8% to 47.2%. Buffett has been vocal about his enthusiasm for Occidental's oil and gas assets. During Berkshire's annual meeting in Omaha last year, he described the company as "one of the great American assets." However, he also expressed concerns about Occidental's long-term profitability. Buffett acknowledges that Occidental's carbon capture projects are crucial, but he also wonders whether the company will make a profit from them. Occidental CEO Vicki Hollub has been persistent in her efforts to improve Occidental's financial health and reduce its debt. The company has achieved its debt-reduction target and expects free cash flow to increase as oil prices rise. Occidental plans to increase oil production in 2024 and invest in new drilling in West Texas to expand production in 2025. Occidental has also been working to reduce its operating costs, with Hollub targeting a 10% reduction by the end of 2025. Buffett's investment in Occidental comes at a time when oil prices are relatively stable, hovering around \$76.50 per barrel in the U.S. and \$80.82 per barrel globally. Occidental's stock,

Model

stock-news-0513

Base: gemini-2.0-flash-lite-001 • Supervised

Switch model

Outputs

Structured output

Advanced

Code

Python

```
from google import genai
from google.genai import types
import base64

def generate():
    client = genai.Client(
        vertexai=True,
        project="457448776296",
        location="us-centrall",
    )

    model = "projects/457448776296/locations/us-centrall/endpoints/445773899737595904"
    contents = [
        types.Content(
            role="user",
            parts=[
                types.Part.from_text(text="""Why Warren Buffett keeps buying Occidental
                Petroleum shares AAPL""")
            ]
        ),
    ]

    generate_content_config = types.GenerateContentConfig(
        temperature = 1,
        top_p = 0.95,
        max_output_tokens = 8192,
        safety_settings = [types.SafetySetting(
            category="HARM_CATEGORY_HATE_SPEECH",
            threshold="OFF"
        ), types.SafetySetting(
            category="HARM_CATEGORY_DANGEROUS_CONTENT",
            threshold="OFF"
        ), types.SafetySetting(
            category="HARM_CATEGORY_SEXUALLY_EXPLICIT",
            threshold="OFF"
        ), types.SafetySetting(
            category="HARM_CATEGORY_HARASSMENT",
            threshold="OFF"
        )],
    )
```

```

    for chunk in client.models.generate_content_stream(
        model = model,
        contents = contents,
        config = generate_content_config,
    ):
        print(chunk.text, end="")

generate()

```

Typescript

```

import { FirebaseApp } from "firebase/app";
import {
    ChatSession,
    FileDataPart,
    GenerationConfig,
    GenerativeModel,
    getGenerativeModel,
    getVertexAI,
    HarmBlockThreshold,
    HarmCategory,
    InlineDataPart,
    Part,
    SafetySetting,
} from "firebase/vertexai";

async function generateContent(firebaseApp: FirebaseApp) {
    const generationConfig: GenerationConfig = {
        temperature: 1,
        topP: 0.95,
        maxOutputTokens: 8192,
    };
    const safetySettings: SafetySetting[] = [
        {
            category: HarmCategory.HARM_CATEGORY_HATE_SPEECH,
            threshold: HarmBlockThreshold.OFF,
        },
        {
            category: HarmCategory.HARM_CATEGORY_DANGEROUS_CONTENT,
            threshold: HarmBlockThreshold.OFF,
        },
    ],

```



```

    {
      category: HarmCategory.HARM_CATEGORY_SEXUALLY_EXPLICIT,
      threshold: HarmBlockThreshold.OFF,
    },
    {
      category: HarmCategory.HARM_CATEGORY_HARASSMENT,
      threshold: HarmBlockThreshold.OFF,
    },
  ];
  const vertexAI = getVertexAI(firebaseApp, { location: "us-central1" });
  const model = getGenerativeModel(vertexAI, {
    model:
      "projects/457448776296/locations/us-central1/endpoints/445773899737595904",
    generationConfig,
    safetySettings,
  });

  // For multi-turn responses, start a chat session.
  const chat = model.startChat();

  await sendMessage(chat, content: ["Why Warren Buffett keeps buying Occidental
  Petroleum shares AAPL"]);
}

async function sendMessage(
  chat: ChatSession,
  content: string | Array<string | Part>
) {
  const result = await chat.sendMessage(content);
  console.log(result.response.text());
}

```

User Interface

