

How much it costs to run OpenAI's ChatGPT chatbot
per day in dollars

Simply Explained

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Breaking down the costs

- The training data is about 4.5 billion TB. And a 3 billion parameter model can generate a token in about 6 milliseconds on NVIDIA A100 GPU (half precision+tensorRT+activation caching).
- As per the current rate, Microsoft charges \$3 an hour for a single A100 GPU and each word generated on ChatGPT costs \$0.0003.

Breaking down the costs

- A response from ChatGPT will usually have at least 30 words, hence, a single response from ChatGPT will cost at least 1 cent to the company.
- Monthly active users of Chat-GPT is expected to reach 100 million in January 2023, and about 13 million people use it every day. Therefore, based on the calculation of 13 million people, each person queries 10 times a day, then there are 130 million queries per day.

Breaking down the costs

- The daily operating cost is estimated as high as \$1.3 million.
- OpenAI's revenue for 2023 was \$2 billion.

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