OPENAI VS AZURE OPENAI

WHO AM I

17+ Years Experience

Intensive Software & Data Engineering Experience

Microsoft MVP, Data Consultant & Public Speaker
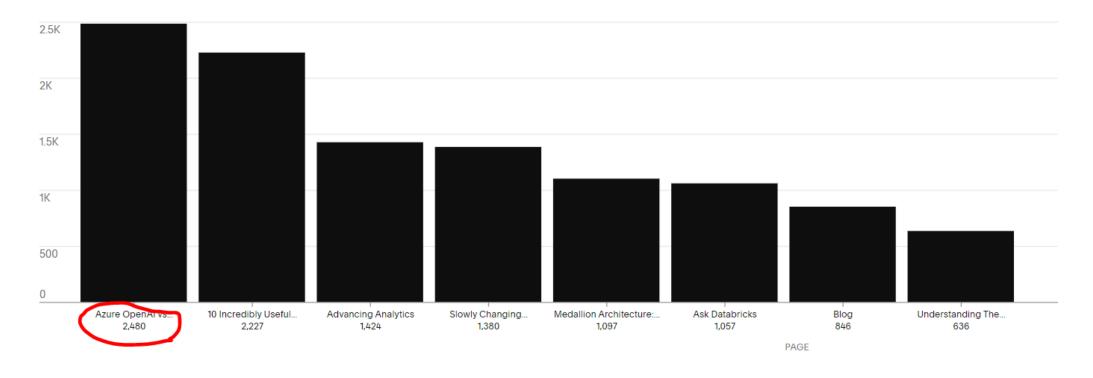
𝕏 @annawykes   in @annawykes

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MICROSOFT LIKES TO BUY COOL STUFF

WHAT IS OPENAI

OpenAI

A leading research laboratory focused on developing safe and beneficial AI

They've produced some of the most advanced AI models to date, including GPT-4, which can understand and generate human-like language

OpenAI's research focuses on a wide variety of AI applications, from natural language processing to speech and beyond.

Their work is aimed at solving some of the most pressing challenges in AI development, while also ensuring that these technologies are developed in a way that's safe and beneficial for everyone

ADVANCING ANALYTICS

WHAT HAVE THEY PRODUCED

- **ChatGPT**, a large language model trained by OpenAI.

- **GPT-4**, OpenAI's most advanced system, producing safer and more useful responses.

- **GPT-3.5**, the current state-of-the-art language model from OpenAI that models that can understand as well as generate natural language or code

- **Whisper**, an automatic speech recognition system from OpenAI that can transcribe and translate multiple languages.

- **DALL·E**, OpenAI's image generation model. **CLIP**, an AI model that can understand images and text together.

- **MuseNet**, an AI model that can generate music in various styles and genres.

- **Jukebox**, an AI model that can generate music with lyrics and singing.

WHAT IS AZURE OPENAI

Azure OpenAI is a partnership between Microsoft and OpenAI

By joining forces, Microsoft brings its powerful cloud computing resources to the table, while OpenAI brings its impressive knowledge and skills in AI.

With this partnership, they're tackling some seriously tough challenges and creating some seriously smart solutions.
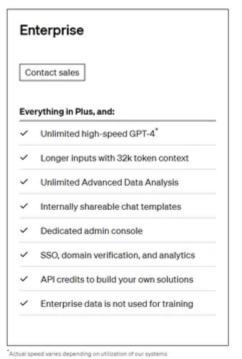
CHATGPT VS CHATGPT PLUS VS CHATGPT ENTERPRISE

Compare ChatGPT plans

Free
$0 per person/month

[Try it now ↗]

✓ GPT-3.5

✓ Regular model updates

Plus
$20 per person/month

[Upgrade now ↗]

Everything in Free, and:

✓ GPT-4*

✓ Advanced Data Analysis*

✓ Plugins*

✓ Early access to beta features

Enterprise

[Contact sales]

Everything in Plus, and:

✓ Unlimited high-speed GPT-4*

✓ Longer inputs with 32k token context

✓ Unlimited Advanced Data Analysis

✓ Internally shareable chat templates

✓ Dedicated admin console

✓ SSO, domain verification, and analytics

✓ API credits to build your own solutions

✓ Enterprise data is not used for training

*Usage capped at 50 messages every three hours

*Actual speed varies depending on utilization of our systems

https://openai.com/blog/introducing-chatgpt-enterprise

*"You own and control your business data in ChatGPT Enterprise. We do **not** train on your business data or conversations, and our models don't learn from your usage"*

OPENAI VS AZURE OPENAI

FEATURE	AZURE OPENAI	OPENAI
Ownership	Co-developed by Microsoft and OpenAI	OpenAI
GPT-4-Support	Supports the latest GPT-4 Models	This is a paid service with a month $20 subscription to ChatGBT Plus
Security	Offers the security capabilities of Microsoft Azure	Not Supported
Image Input Support for GPT-4	Not Supported Yet	Designed to be MultiModel, but not specified
VNet and Private Endpoint Support	Supports VNets and Private Endpoints	Not Specified
Access	Need Access to Azure and requires an application to run OpenAI	Access Available to everyone

OPENAI VS AZURE OPENAI

FEATURE	AZURE OPENAI	OPENAI
Learning Resources	Offers introduction to Azure OpenAI training course	Learning Resources Available
Support	Part of Azure Cognitive Services Support Options	Customer Support through various channels, including email support
Fine Tunes Model Creation	Allows the creation of up to 100 fine tined models	Not Specified
Training data for fine-tune modeling	Training data provided is only used to fine-tune the customers model and is not used to train or improve any model	Data provided to the API prior to March 1st 2023 may have been used for improvements
Prompts and completions for ChatGPT	Stored prompts and completions data for a maximum of 30 days in the same region, which is encrypted and only accessible to authorized Microsoft employees	Stores prompts and completions to train, or improve the models. Therefore, with this in mind, you should be careful when using sensitive data

OPENAI VS AZURE OPENAI

FEATURE	AZURE OPENAI	OPENAI
SLAs for API Responses	The overall SLA for the Azure OpenAPI Service is the same as for other Azure Cognitive Services	Not Available but working towards it. They have a status page
Price for ChatGPT (gpt-3.5-turbo)	Pricing is based on the pay-as-you-go consumption of $0.002 per 1k tokens (1000 tokens is around 750 words)	Free plan with some limitations with some paid plans, the price is $0.002 per 1k tokens
Regional Availability	Currently only available in West Europe, East US and South-Central US	Provides API access to many countries, regions and territories

OVERVIEW

Overall, Azure OpenAI is a service that offers advanced language AI with OpenAI models while providing the security and enterprise promise of Azure.

It is co-developed by Microsoft and OpenAI, ensuring compatibility and a smooth transition between the two.

OVERVIEW

Azure OpenAI supports VNETs and private endpoints and allows for new use cases to be added through a limited access process.

OpenAI is a research organization focused on advancing artificial intelligence in a safe and beneficial manner.

While OpenAI did not initially offer the security and enterprise promise of Azure, it now offers an Enterprise addition (at a cost), and does provide comprehensive data privacy policies and learning resources.

SUMMARY

So whether you're an AI researcher, developer, or enthusiast, OpenAI is definitely an organization to keep an eye on.

With their cutting-edge research and commitment to responsible AI development, they're helping to shape the future of technology in exciting and meaningful ways.

For those beginning their exploration of cutting-edge OpenAI models, OpenAI is an excellent starting point. However, for enterprise implementation, Azure OpenAI, or the OpenAI Enterprise offering is a more suitable choice.

HTTPS://GITHUB.COM/ANNAWYKES/AZURE-OPENAI-VS-OPENAI-WHATS-THE-DIFFERENCE

USEFUL LINKS

- Check out the Introduction to Azure OpenAI training course
- See the support options for Azure Cognitive Services

- See the OpenAI FAQs for confirmation of how data is stored
- Check out the Cognitive Services section of the Service Level Agreements (SLA) for Online Services page
- For the latest state of OpenAI's operational systems, see the OpenAI Status page
- Explore the regional availability for Azure OpenAI Service
- See supported countries and territories for OpenAI models
- Azure OpenAI vs OpenAI: What's the Difference?
- Enterprise Privacy

HTTPS://GITHUB.COM/ANNAWYKES/AZURE-OPENAI-VS-OPENAI-WHATS-THE-DIFFERENCE