gpt-ossã•?å ¬é??ã•?ã??ã•¾ã•?ã•?

Description

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OpenAIã•®ChatGPTã•®ã?ªã?¼ã??ã?³ã?½ã?¼ã?¹ç??ã•?å ¬é??ã•?ã??ã•¾ã•?ã•?ã??

ç??æ?•AIã•®è¨?èª?ã?¢ã??ã?«ã•«é?¢ã•?ã•¦ã?•ã?ªã?¼ã??ã?³ã?½ã?¼ã?¹ã•®å®?ç¾©ã•?ã•?ã•£ã•?ã??ã•?ã•ªè¨?æ?¶ã•?ã•?ã??ã•®ã•§ã•?ã•?ã?•ã••ã•?ã•§ã•¯ç¢ºã?ã?•ã??å¦ç¿?ã?³ã?¼ã??ã?•ã?¦ã?§ã?¤ã??ã?•ã??ã?¼ã?¿ã?»ã??ã??ã•?ã?ªã?¼ã??ã?³ã•§ã•?ã??ã•?ã•¨ã?•ã•¨å®?ç¾©ã•?ã??ã•¦ã•?ã•ªã??ã•?ã•ªã??ã••ã•®å®?ç¾©ã•?ã??è¦?ã•?ã??ã?•gpt-ossã•¯ã?ªã?¼ã??ã?³ã?½ã?¼ã?¹ã•§ã•¯ã?ªã••ã?•ã?ªã?¼ã??ã?³ã?¦ã?§ã?¤ã??ã?¢ã??ã?«ã•§ã•?ã??ã•¨è¨?ã•?ã•®ã•?è?¯ã?ã•¨æ?•ã•?ã•¾ã•?ã??

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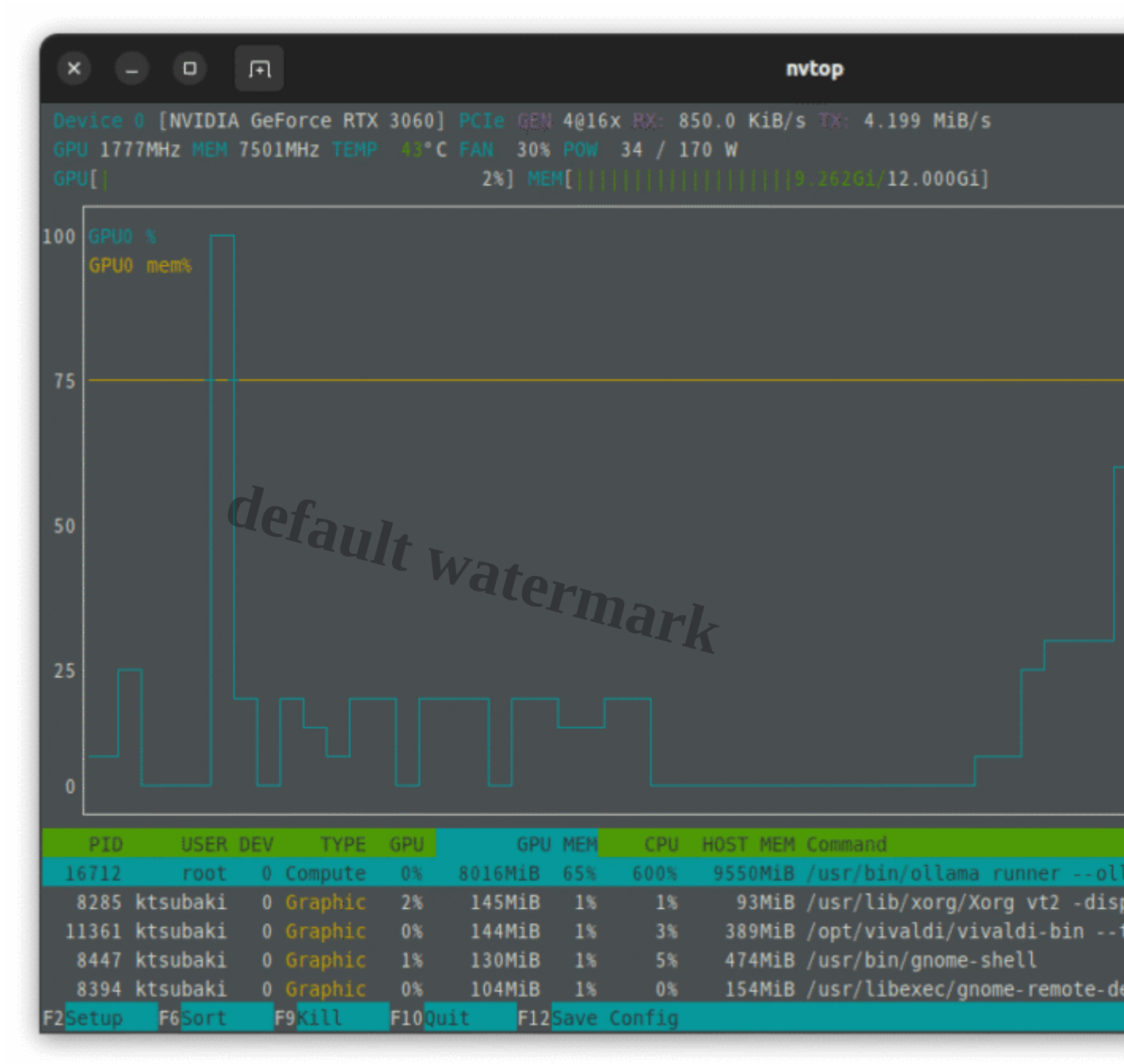
è©¦ã•?ã••ã?•gpt-ossã•®20Bï¼?å°•ã•?ã•?æ?¹ã?•å¤§ã••ã•?æ?¹ã•¯120Bï¼?ã??ã??ã?¦ã?³ã?ã?¼ã??ã?ã•¦ã?•Ollamaã•§å??ã•?ã•?ã•¦ã•¿ã•¾ã•?ã•?ã??Ollamaã•¯æ??æ?°ç??ã??ä½¿ã?å¿ è¦•ã•?ã•?ã??ã•¾ã•?ã??ã??ã?¹ã??ã•?ã•?PCã•¯Core i5 13400 + GeForce RTX 3060ã¨ã•?ã•?æ§?æ?•ã•§ã•?ã??

ä¸?ã•®ã?¹ã?¯ã?ªã?¼ã?³ã?·ã?§ã??ã??ã¯ã??Ryzen 7ã??ä½¿ã£ã•?Alå¦ç¿?ç?¨PCã•®æ§?æ?•ã??æ••æ¡?ã•?ã•¦ã••ã• ã•?ã•?ã?•ã•¨ã•?ã•?ã??ã?ã?³ã??ã??ã??æ??ã•?ã•?ã•¨ã••ã•®æ§?å•ã??

ã•?ã•¡ã??ã•®ã?¹ã?¯ã?ªã?¼ã?³ã?·ã?§ã??ã??ã¯VRAMã•®ä½¿ç?¨ç?¶æ³•ã??ã?¢ã??ã?¿ã?¼ã•?ã•¦ã•?ã??æ§?å•ã•§ã•?ã??VRAM 12GBã•®RTX 3060ã•§ã??ã•ªã??ã•¨ã•?å??ã••ã•¾ã•?ã??



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ç??æ?•é??åº¦ã•¯7.4ã??ã?¼ã?¯ã?³/ç§?ã§ã•?ã•?ã??

3060ã?¯ã?©ã?¹ã®GPUã•«ã•¯è·ã•?é?•ã•?ã•§ã•?ã??é??ã•?GPUã??æ?•ã•£ã•¦ã•?ã??æ?¹ã•«ã•¯è?¯ã?ã?¢ã??ã?«ã• ã•¨æ?•ã•?ã•¾ã•?ã??

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Ryzenâ?¯7æ•è¼?ã•§AIå¦ç¿?ã•«æ??é•©ã•ªPCæ§?æ?•ï¼?3æ®µé??ï¼?

ã?•ã?¤ã?³ã??

- CPUã•¯AIå¦ç¿?ã®ã??ã?¼ã?¿å?•å?¦ç•?ã??ã??ã?¤ã??ã?©ã?¤ã?³ã•§ä¸¦å??å?¦ç•?ã•?å¿ è¦•ã•ªã•¨ã••ã•«é?•è¦?ã??
- GPUã•?æ??ã??è¨?ç®?ã??æ? ã•?ã•®ã•§ã?•CPUã•¨GPUã•®ã?•ã?©ã?³ã?¹ã??å•?ã??ã•?ã•¨ã•?é?•è¦•ã??
- RAMã•¯ã??ã?¼ã?¿ã?»ã??ã??ã®ã?µã?¤ã?ºã•«å•?ã?•ã•?ã•¦å¤?ã?•ã•«å•?ã??ã•®ã•?å®?å ¨ã??
- ã?¹ã??ã?¬ã?¼ã?¸ã•¯é«?é??NVMeã§ã?ã?¼ã??/ä¿•å?ã??é«?é??å??ã??

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1. ã?¨ã?³ã??ã?ªã?¼ã?¬ã??ã?«ï¼?ç´?Â¥250,000ã??Â¥300,000ï¼?

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CPU	Ryzenâ?¯7â?¯5800X 3.8â?¯GHz	8ã?³ã?¢16ã?¹ã?¬ã??ã??ã?•AIå¦ç¿?ã•®å?•å?¦ç•?ã•å??ã??
GPU	NVIDIAâ?¯RTXâ?¯3060â?¯Ti (8â?¯GB)	8â?¯GBã®VRAMã•§ä¸¦è¦•æ¨¡ã?¢ã??ã?«ã•®å¦ç¿?ã•¯è?½ã??
ã?¡ã?¢ã?ª	32â?¯GB DDR4â??3200	16â?¯GBÃ?2ã§ã??ã?¼ã?¿ã?ã?¼ã??ã•«ä½?è£?ã
ã?¹ã??ã?¬ã?¼ã?¸	1â?¯TB NVMe SSD (Samsung 980 PRO)	OS + ã?©ã?¤ã??ã?©ã?ªé«?é??èµ·å??ã??
ã??ã?¶ã?¼ã??ã?¼ã??	ASUS TUF B550â??PLUS	PCIe 4.0ã?•æ?¡å¼µæ?§â??ã??
é?»æº•	650â?¯W 80+ Gold	GPU + CPU + ä½?è£?ã??
å?·å•´	Noctua NHâ??U12S	é•?é?³ã•¨é«?æ?§è?½ã??
ã?±ã?¼ã?¹	Fractal Design Meshify C	é¢¨é??ã•?â??ã??
OS	Ubuntuâ?¯22.04 LTS	ã??ã?£ã?¼ã??ã?©ã?¼ã??ã?³ã?°ã??ã?¬ã?¼ã? ã•?å®?å®?ã??

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- äº?ç®?ã??æ??ã•?ã•¤ã•¤ã?•CPUã•?GPUã??ã??ã??ã?«ã?•ã??ã?¯ã«ã•?ã•ªã•?æ§?æ?•ã??
- 3060â?¯Tiã¯CUDA 8â?¯GBã§ã?•ç°¡å•?ã•ªCNNã??å°•è¦•æ¨¡Transformerã??å¦ç¿?å•¯è?½ã??

2. ã??ã??ã?«ã?¬ã?³ã?¸ï¼?ç´?Â¥400,000ã??Â¥500,000ï¼?

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CPU	Ryzenâ?¯7â?¯7700X 4.5â?¯GHz	DDR5å¯¾å¿?ã•§ã?¡ã?¢ã?ªå¸¯å??ã•?å•?ä¸?ã??
GPU	NVIDIAâ?¯RTXâ?¯3080â?¯Ti (12â?¯GB)	å¤§è¦•æ¨¡ã?¢ã??ã?«ã??ç?»å?•å?¦ç•?ã•«æ??é•©ã??
ã?¡ã?¢ã?ª	64â?¯GB DDR5â??5200	32â?¯GBÃ?2ã?•ã?•ã??ã?•ã?µã?¤ã?ºã??å¢?ã??ã•?ã??ã??
ã?¹ã??ã?¬ã?¼ã?¸	2â?¯TB NVMe SSD (Samsung 980 PRO)	ã??ã?¼ã?¿ã?»ã??ã??ã•®é«?é??èªã•¿è¾¼ã•¿ã??
ã??ã?¶ã?¼ã??ã?¼ã??	ASUS ROG Strix X670Eâ??Gaming WiFi	PCIe 5.0ã?•DDR5ã?µã?•ã?¼ã??ã??
é?»æº•	750â?¯W 80+ Gold	é«?ã•?æ¶?è²»é?»å??ã•«å¯¾å¿?ã??
å?·å•´	Corsair iCUE H100i RGB Pro XT (240â?¯mm)	æ¸©åº¦ä½?æ¸?ã•¨é•?é?³ã??
ã?±ã?¼ã?¹	NZXT H710i	ã?¨ã?¢ã??ã?ã?¼ã•¨æ?¡å¼µæ?§â??ã??
OS	Ubuntuâ?¯24.04 LTS	æ??æ?°CUDA Toolkitå¯¾å¿?ã??

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- RTXâ?¯3080â?¯Tiã¯12â?¯GB VRAMã§ã?•ç?»å?•ç??æ?•ã??å¤§è¦•æ¨¡LLMã•®å®?é¨?ã•«å•• å??ã??
- DDR5ã•¨PCIeâ?¯5.0ã§å°?æ•¥æ?§ã•?ã??ã??
- 64â?¯GB RAMã¯ã?•ã??ã?•ã?µã?¤ã?ºã??ã??ã?¼ã?¿ã?ã?¼ã??ã?¼ã•®å?¹ç??å??ã•«è²¢ç?®ã??

3. ã?•ã?¤ã?¨ã?³ã??ï¼?ç´?Â¥700,000ã??Â¥900,000ï¼?

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CPU	Ryzenâ?¯7â?¯7700X 4.5â?¯GHz	8ã?³ã?¢ã•§GPUè² è•·ã??å??æ?£ã??
GPU	NVIDIAâ?¯RTXâ?¯4090 (24â?¯GB)	24â?¯GB VRAMã§å¤§å??ã?¢ã??ã?«ã•?å-¦ç¿?å•¯è?½ã??
ã?¡ã?¢ã?ª	128â?¯GB DDR5â??6000	å¤§è¦•æ¨¡ã??ã?¼ã?¿ã?»ã??ã??ã?• ã??ã?«ã?•ã?¿ã?¹ã?¯ã«æ??é•©ã??
ã?¹ã??ã?¬ã?¼ã?¸	2â?¯TB NVMe SSD + 4â?¯TB HDD (Seagate IronWolf)	é«?é??SSD + å¤§å®¹é?• ã?¹ã??ã?¬ã?¼ã?¸ã??
ã??ã?¶ã?¼ã??ã?¼ã??	ASUS ROG Crosshair X670Eâ??E (WiFi 6E)	PCIeâ?¯5.0Ã?16 x4ã?•ã?ªã?¼ã?• ã?¼ã?¯ã?ã??ã?¯å¯¯ã??
é?»æº•	850â?¯W 80+ Platinum	é«?å?¹ç??ã?•RTXâ?¯4090ã•®é?»å??ã??ç¢ºä¿•ã??
å?·å•´	NZXT Kraken Z73 (360â?¯mm)	é«?ã•?ç?±è¨è¨?ã•¨ã?«ã?¹ã?¿ã? RGBã??
ã?±ã?¼ã?¹	Lian Li PCâ??011 Dynamic XL	å¤§å®¹é?•ã•¨ã?¨ã?¢ã??ã?ã?¼â??ã??
OS	Ubuntuâ?¯24.04 LTS	CUDA 12+ã?•ROCmã??é•¸æ??å•¯ã??

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- RTXâ?¯4090ã•¯24â?¯GB VRAMã§LLMã?»å¤§å??Transformerã•®å¦ç¿?ã•?ã?¹ã? ã?¼ã?ºã??
- 128â?¯GB RAMã•§è¤?æ?°ã•®GPUã??ã?¼ã??ã??å•?æ??ã•«å??ã•?ã•?ã??ã?¼ã?¿ã??ã?¤ã??ã?©ã?¤ã?³ã??å®?å®?ã??
- 850â?¯W Platinum PSUã•§é?»å??å®?å®?ã•¨é?·å¯¿å?½ã??ç¢ºä¿ã??

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GPUã•®é•¸æ??	NVIDIAã•?æ·±å±¤å¦ç¿?ã•§æ??ã??åº?ã••ã?µã?•ã?¼ã??ã??AMDã•®GPUï¼?Radeonã?•MI300ï¼?ã•¯ROCmå¯¾å¿?ã•ã•?ã?•ã?¨ã?³ã?·ã?¹ã??ã? ã•?å°•ã•?ã•?ã??
RAMå®¹é?•	32â?¯GBã•¯æ??ä½?ã?©ã?¤ã?³ã??ã?•ã??ã?•ã?µã?¤ã?ºã??å¤§ã••ã••ã•?ã??å´å•?ã•¯64â?¯GBä»¥ä¸?æ?¨å¥¨ã??
ã?¹ã??ã?¬ã?¼ã?¸	NVMe SSDã•¯ã??ã?¼ã?¿èªã¿è¾¼ã•¿æ??é??ã??å¤§å¹ ã•«ç?-ç¸®ã??ã??ã?¼ã?¿ã?»ã??ã??ã•?å¤§ã••ã•?å´å•?ã•¯RAID0ã??å¤?é?¨SSDã??æ¤?è¨?ã??
é?»æº•	GPUã•?ã?¡ã?¤ã?³æ¶?è²»é?»å??ã??80+ Goldä»¥ä¸?ã•§ä½?è£?ã??æ?•ã•?ã•?ã??ã??
OS	Ubuntu 22.04/24.04ã•¯CUDA Toolkitã¨PyTorch/TensorFlowã•®æ??æ?°ç??ã•«æ??é•©ã??
å?·å•´	Ryzen 7 5800Xã•¯é«?æ¸©ã«ã•ªã??ã??ã•?ã•?ã•®ã•§ã?•ç©ºå?·ã??ã??æº´å?·ã•?æ?¨å¥¨ã??
ã??ã?¶ã?¼ã??ã?¼ã??	PCIe 4.0/5.0ã•¯GPUã®å¸¯å??å¹ ã«å½±é?¿ã•?ã•ªã•?ã•?ã?•å°?æ•¥æ?§ã??è??æ ®ã??
æ?¡å¼µ	è¿½å? GPUã??æ¤?è¨?ã•?ã??å´å•?ã•¯ã?SATAâ?¯3â?¯GPUã?¹ã?ã??ã??ã?ªã•?ã•?ã•¨ã•«æ³¨æ?•ã??PCIe 4.0/5.0ã??ã?µã?•ã?¼ã??ã•?ã??ã??ã?¶ã?¼ã??ã?¼ã??ã??é•¸æ??ã??

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- **CPU**ï¼?Ryzenâ?¯7ã?·ã?ªã?¼ã?ºã¯8ã?³ã?¢ã§AIå¦ç¿?ã•®å?•å?¦ç•?ã•«å••å??ã??
- **GPU**ï¼?CUDAã??ã?¼ã?¹ã•®AIã??ã?¬ã?¼ã? ã?¯ã?¼ã?¯ã??æ??å¤§é?ã•«æ´»ã•?ã•?ã•?ã?•RTXâ?¯3060â?¯Tiã??RTXâ?¯4090ã®é•¸æ??ã•?ã??ã?¹ã??ã??
- **ã?¡ã?¢ã?ª**ï¼?32â?¯GBä»¥ä¸?ã??å¤§å??ã??ã?¼ã?¿ã?»ã??ã??ã?»å¤§è¦æ¨¡ã?¢ã??ã?«ã•¯64â?¯GBï¼?ã?å®?å¨ã??
- **ã?¹ã??ã?¬ã?¼ã?¸**ï¼?é«?é??NVMe SSDã•§ã??ã?¼ã?¿IOã??æ??é•©å??ã??
- **é?»æº•ã?»å?·å•´**ï¼?GPUã•®æ¶?è²»é?»å??ã•«å•?ã?•ã•?ã•¦ä½?è£?ã??æ?•ã•?ã•?ã?•å?·å•´ã•¯ç©ºå?·ã??ã??æº´å?·ã?å®?å¿?ã??

ã•?ã•®æ§?æ?•ã??ã??ã?¼ã?¹ã•«ã?•ãº?ç®?ã??ç?¨é??ï¼?å°•è¦•æ¨¡å®?é¨? vs å¤§è¦•æ¨¡ã?¢ã??ã?«ã•®ã??ã?¬ã?¼ã??ã?³ã?°ï¼?ã•«å•?ã?•ã•?ã•¦èª¿æ?´ã•?ã•¦ã•ã• ã•?ã•?ã??Happy coding! ð???

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Category

1. æ?¥ã? ã•®æ´»å??
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Tags

1. AI
2. ChatGPT
3. gps-oss
4. LLM
5. Ollama
6. ä¸?é??å??å¸?
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Date Created
2025å¹´8æ??6æ?¥
Author
kazuo-tsubaki