

數位發展部數位產業署

「數位產業跨域軟體基盤暨數位服務躍升計畫」

114 年 第三梯次算力平台使用

算力平台模型基本介紹 (含授權來源)

版本：v1.0

日期：2025/09/22

一、文件目的

為提供數位發展部數位產業署「數位產業跨域軟體基盤暨數位服務躍升計畫」114 年第三梯次算力申請入選業者使用，本算力平台整理目前系統所支援的 AI 模型清單，並提供每個模型的開源授權連結，以利廠商查閱相關使用規範與技術說明，確保在合法合規前提下應用。

二、算力平台入選類別對應清單序號說明

● 模型訓練類 (容器型)

| 清單序號 | 模型名稱 |
|------|--------|
| 1 | YOLOv7 |

● 模型訓練類 (No-Code 型)

| 清單序號 | 模型名稱 | 清單序號 | 模型名稱 |
|------|---------------------------|------|-----------------------------|
| 2 | Llama-3.1-TAIDELX-8B-LoRA | 5 | Llama-3.1-FoxBrain-70B-LoRA |
| 3 | Llama-3.1-FFM-8B-LoRA | 6 | Llama-3.3-FFM-70B-LoRA |

| | | | |
|---|-------------------------|---|--------------------|
| 4 | Llama-3-Taiwan-70B-LoRA | 7 | Llama-3.3-70B-LoRA |
|---|-------------------------|---|--------------------|

● 場域應用類

| 清單序號 | 模型名稱 | 清單序號 | 模型名稱 |
|------|------------------------------|------|---------------------------------------|
| 2 | Llama-3.1-TAIDELX-8B-LoRA | 9 | Magistral Small 2506 (23.6B) |
| 4 | Llama-3-Taiwan-70B-LoRA | 10 | Google Gemma 3 27B |
| 5 | Llama-3.1-FoxBrain-70B-LoRA | 11 | Llama-4-Scout-17B-16E-Instruct (108B) |
| 7 | Llama-3.3-FFM-70B-LoRA | 12 | gpt-oss-20b |
| 8 | Phi 4 Reasoning Plus (14.7B) | 13 | gpt-oss-120b |

三、算力平台模型基本介紹 (含授權來源)

1. 模型名稱 (Model Name) : YOLOv7

- 參數規模 (Model Size) : 75MB
- 模型類型 (Model Type) : 物件偵測模型 (Object Detection)
- 授權類型 (License Type) : GPL3
- 授權連結 (License Link) : [YOLOv7 License - GitHub](#)
- 詳細說明 (Detail) :
 - YOLOv7 由 WongKinYiu 等研究者發表於 2022 年，是 YOLO 系列的重要版本之一，支援單階與多階物件偵測、姿態估計等進階功能。其模型架構以 PyTorch 為基礎，具備良好可擴充性，廣泛應用於安防監控、車流辨識與工業

影像分析等場域。YOLOv7 採用 GNU General Public License v3.0 授權，允許修改與散佈，但須開源並保留原始授權內容。

- YOLOv7 was released in 2022 by WongKinYiu and collaborators, and is one of the key versions in the YOLO series. It supports both single-stage and multi-stage object detection, as well as advanced features such as pose estimation. The model is built on the PyTorch framework and is highly extensible, making it suitable for applications such as security surveillance, traffic monitoring, and industrial image analysis. YOLOv7 is licensed under the GNU General Public License v3.0 (GPLv3), which permits modification and redistribution, provided that the source code remains open and the original license is preserved.
-

2. 模型名稱 (Model Name) : Llama-3.1-TAIDE-LX-8B-Chat

- 參數規模 (Model Size) : 8B
- 模型類型 (Model Type) : 對話語言模型
- 授權類型 (License Type) : Llama 3.1 Community License
- 授權連結 (License Link) :
 - [TAIDE 模型授權條款](#)
 - https://www.llama.com/llama3_1/license/
 - https://www.llama.com/llama3_1/use-policy/
- 詳細說明 (Detail) :
 - Llama 3.1 TAIDE LX 8B Chat 由國科會 TAIDE 計畫開發，專為台灣語言文化特性設計。模型以 Meta Llama 3.1 8B 為基礎，導入台灣多領域文本，強化繁體

中文理解與生成能力，並針對自動摘要、寫信、翻譯及多輪問答等辦公室任務進行指令微調。適用於聊天、任務協助及產業應用。本服務基於 Meta Llama 3.1，遵循 [Llama 3.1 Community License Agreement](#)，並須遵守 [Llama 3.1 Acceptable Use Policy](#)。

- Llama 3.1 TAIDE LX 8B Chat, developed by the TAIDE project, is tailored for Taiwanese language and culture. It incorporates diverse Taiwanese texts to enhance Traditional Chinese understanding and generation, and is instruction-tuned for tasks like summarization, email writing, translation, and multi-turn Q&A, making it suitable for chat, task assistance, and industry applications. This service is based on Meta Llama 3.1 and complies with the [Llama 3.1 Community License Agreement](#) and the [Llama 3.1 Acceptable Use Policy](#).
-

3. 模型名稱 (Model Name) : Llama-3.1-FFM-8B-LoRA

- 參數規模 (Model Size) : 8B
- 模型類型 (Model Type) : 對話語言模型
- 授權類型 (License Type) : Llama 3.1 Community License
- 授權連結 (License Link) :
 - https://www.llama.com/llama3_1/license/
 - https://www.llama.com/llama3_1/use-policy/
- 詳細說明 (Detail) :
 - FFM 納入 Meta 公司的 Llama3.1 模型，提供 Tool Calling 強化版本。本訓練服務提供 LoRA 優化策略，讓您可更有效率地優化各參數模型。當您使用

Llama3.1-FFM-8B 模型時，代表您同意遵守 Meta Llama3.1 條款。本服務基於 Meta Llama 3.1，遵循 [Llama 3.1 Community License Agreement](#)，並須遵守 [Llama 3.1 Acceptable Use Policy](#)。

- Llama3.1-FFM-8B is a Tool Calling enhanced version from Meta's Llama3.1 model released by TWSC. The Llama3.1-FFM-8B model follows Meta's Llama3.1 license. LoRA fine-tune strategy is available for you to train models more efficiently. By using Llama3.1-FFM-8B models, you agree to the Meta-Llama 3.1 license. This service is based on Meta Llama 3.1 and complies with the [Llama 3.1 Community License Agreement](#) and [Llama 3.1 Acceptable Use Policy](#).

4. 模型名稱 (Model Name) : Llama-3-Taiwan-70B-LoRA

- 參數規模 (Model Size) : 70B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : 內部研究用途
- 授權連結 (License Link) :
 - <https://www.llama.com/llama3/license/>
 - <https://www.llama.com/llama3/use-policy/>
 - <https://github.com/MiuLab/Taiwan-LLM>
- 詳細說明 (Detail) :
 - Llama-3-Taiwan-70B-Instruct 由台灣大學 MiuLab 團隊開發，採用 Meta Llama-3 70B 為基礎架構，使用高品質繁體中文和英文語料進行持續預訓練和指令微調。[詳細資訊](#)。該模型支援多輪對話、RAG 檢索增強生成、格式化輸出

等多種應用場景。本訓練服務提供 LoRA 優化策略，讓您可更有效率地優化各參數模型。本服務遵循 [Llama 3 Community License Agreement](#)，並須遵守 [Llama 3 Acceptable Use Policy](#)。

- Llama-3-Taiwan-70B-Instruct is developed by the MiuLab at National Taiwan University, built upon Meta's Llama-3 70B foundation model, [the detail information](#). The model excels in multi-turn dialogue, reasoning, RAG and various NLP tasks with strong cultural alignment to Taiwanese contexts. LoRA fine-tune strategy is available for you to train models more efficiently. This service is based on Meta Llama 3 and complies with the [Llama 3 Community License Agreement](#) and the [Llama 3 Acceptable Use Policy](#).
-

5. 模型名稱 (Model Name) : Llama-3.1-FoxBrain-70B-LoRA

- 參數規模 (Model Size) : 70B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Llama 3.1 授權下調校
- 授權連結 (License Link) :
 - https://www.llama.com/llama3_1/license/
 - https://www.llama.com/llama3_1/use-policy/
- 詳細說明 (Detail) :
 - Llama 3.1 FoxBrain 70B 由鴻海集團獨立開發，基於 Meta Llama 3.1-70B，並以高品質台灣繁體中文資料集微調，針對工業知識、技術決策與高可靠性場景設計。FoxBrain 強調多步邏輯推理、複雜任務理解及指令跟隨能力，能生成

流暢、結構化的繁體中文回應。模型支援新聞改寫、技術報告、摘要、問答、對話系統與程式碼輔助等多元應用，並在 Taiwan MMLU+、MT-Bench 等基準測試中展現優異表現。本訓練服務提供 LoRA 優化策略，讓您可更有效率地優化各參數模型。本服務基於 Meta Llama 3.1，遵循 [Llama 3.1 Community License Agreement](#)，並須遵守 [Llama 3.1 Acceptable Use Policy](#)。

- Llama 3.1 FoxBrain 70B, developed by Foxconn and based on Meta Llama 3.1-70B, is fine-tuned with high-quality Traditional Chinese data. It excels at multi-step reasoning, technical decision-making, and industrial applications, supporting tasks like summarization, Q&A, and code assistance. The model delivers fluent, structured Traditional Chinese responses and shows strong benchmark performance. LoRA fine-tune strategy is available for you to train models more efficiently. This service follows the [Llama 3.1 Community License Agreement](#) and [Acceptable Use Policy](#).

6. 模型名稱 (Model Name) : Llama-3.3-FFM-70B-LoRA

- 參數規模 (Model Size) : 70B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Llama 3.3 Community License
- 授權連結 (License Link) :
 - https://www.llama.com/llama3_3/license/
 - https://www.llama.com/llama3_3/use-policy/
- 詳細說明 (Detail) :

- FFM 納入 Meta 公司的 Llama3.3 模型，提供 Tool Calling 強化版本。本訓練服務提供 LoRA 優化策略，讓您可更有效率地優化各參數模型。當您使用 Llama3.3-FFM-70B 模型時，代表您同意遵守 Meta Llama3.3 條款。本服務基於 Meta Llama 3.3，遵循 [Llama 3.3 Community License Agreement](#)，並須遵守 [Llama 3.3 Acceptable Use Policy](#)。
 - Llama3.3-FFM-70B is a Tool Calling enhanced version from Meta's Llama3.3 model released by TWSC. The Llama3.3-FFM-70B model follows Meta's Llama3.3 license. LoRA fine-tune strategy is available for you to train models more efficiently. By using Llama3.3-FFM-70B models, you agree to the Meta-Llama 3.3 license. This service is based on Meta Llama 3.3 and complies with the [Llama 3.3 Community License Agreement](#) and [Llama 3.3 Acceptable Use Policy](#).
-

7. 模型名稱 (Model Name) : Llama-3.3-70B-LoRA

- 參數規模 (Model Size) : 70B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Llama 3.3 Community License
- 授權連結 (License Link) :
 - https://www.llama.com/llama3_3/license/
 - https://www.llama.com/llama3_3/use-policy/
- 詳細說明 (Detail) :
 - Llama 3.3 70B Instruct 由 Meta 於 2024 年底推出，採用 70 億參數，針對多語言指令對話場景特別優化。該模型以全新公開網路數據訓練，效能超越多數

同級開源與封閉模型，能以更少資源達到近乎 405B 模型的表現。本訓練服務提供 LoRA 優化策略，讓您可更有效率地優化各參數模型。本服務基於 Meta Llama 3.3，遵循 [Llama 3.3 Community License Agreement](#)，並須遵守 [Llama 3.3 Acceptable Use Policy](#)。

- Llama 3.3 70B Instruct was released by Meta in late 2024 with 70B parameters, optimized for multilingual instruction and dialogue. Trained on new public web data, it outperforms most similar open and closed models, achieving near-405B performance with fewer resources. LoRA fine-tune strategy is available for you to train models more efficiently. This service is based on Meta Llama 3.3 and complies with the [Llama 3.3 Community License Agreement](#) and [Llama 3.3 Acceptable Use Policy](#).
-

8. 模型名稱 (Model Name) : Phi 4 Reasoning Plus 14B

- 參數規模 (Model Size) : 14B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : MIT
- 授權連結 (License Link) :
 - <https://huggingface.co/microsoft/Phi-4-reasoning-plus/blob/main/LICENSE>
- 詳細說明 (Detail) :
 - Phi-4-Reasoning-Plus 是 Microsoft 推出的 147 億參數推理專用語言模型，基於 Phi-4 架構並經過強化學習優化。該模型專門針對數學、科學、程式設計

等 STEM 領域進行訓練，具備優異的邏輯推理能力。模型採用密集型解碼器架構，能夠處理複雜的多步驟推理任務。

- Phi-4-Reasoning-Plus is a 14.7-billion-parameter reasoning-focused language model released by Microsoft. Built upon the Phi-4 architecture and further optimized with reinforcement learning, the model is specifically trained for STEM domains such as mathematics, science, and programming. It demonstrates strong logical reasoning capabilities and employs a dense decoder architecture designed to handle complex multi-step reasoning tasks.

9. 模型名稱 (Model Name) : Magistral Small 2506 23B

- 參數規模 (Model Size) : 23B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Apache 2.0
- 授權連結 (License Link) :
 - <https://huggingface.co/datasets/choosealicense/licenses/blob/main/markdown/apache-2.0.md>
- 詳細說明 (Detail) :
 - Magistral-Small 是 Mistral AI 推出的首款推理模型，擁有 236 億參數。該模型專為需要推理的專業應用設計，包括法律研究、金融預測、軟體開發等領域。支援多語言推理，包括英文、法文、西班牙文等。模型提供可追溯的邏輯推理鏈，每個結論都能回溯其邏輯步驟，滿足高風險環境的合規要求。

- Magistral-Small is the first reasoning model released by Mistral AI, featuring 23.6 billion parameters. It is designed for professional applications requiring advanced reasoning, including legal research, financial forecasting, and software development. The model supports multilingual reasoning across English, French, Spanish, and other languages. Notably, Magistral-Small provides traceable reasoning chains, ensuring that every conclusion can be linked back to its logical steps, thereby meeting compliance requirements in high-risk environments.
-

10. 模型名稱 (Model Name) : Google Gemma 3 it 27B

- 參數規模 (Model Size) : 27B
- 模型類型 (Model Type) : 多模態大語言模型
- 授權類型 (License Type) : Gemma Terms of Use
- 授權連結 (License Link) :
 - [Gemma Terms of Use](#)
- 詳細說明 (Detail) :
 - Gemma-3-27B-it 是 Google 基於 Gemini 研究技術開發的多模態語言模型，擁有 270 億參數。模型採用解碼器架構，支援文字和圖像輸入生成文字輸出。支援超過 140 種語言的多語言處理能力，包括問答、摘要、推理等任務。模型經過指令調優和偏好優化，在數學、編程、視覺語言任務中表現優異。支援函式呼叫和結構化輸出，適合代理應用。模型大小適中，可在筆電、桌機或雲端基礎設施上部署。

- Magistral-Small is the first reasoning model released by Mistral AI, featuring 23.6 billion parameters. It is designed for professional applications requiring advanced reasoning, including legal research, financial forecasting, and software development. The model supports multilingual reasoning across English, French, Spanish, and other languages. Notably, Magistral-Small provides traceable reasoning chains, ensuring that every conclusion can be linked back to its logical steps, thereby meeting compliance requirements in high-risk environments.
-

11. 模型名稱 (Model Name) : Llama-4-Scout-17B-16E-Instruct 108B

- 參數規模 (Model Size) : 109B
- 模型類型 (Model Type) : 多模態大語言模型
- 授權類型 (License Type) : Llama 4 Community License
- 授權連結 (License Link) :
 - [Llama 4 Community License](#)
- 詳細說明 (Detail) :
 - Llama-4-Scout-17B-16E-Instruct 是 Meta 推出的多模態專家混合模型，擁有 1090 億總參數和 170 億活躍參數。採用 16 專家 MoE 架構。支援 12 種語言包括阿拉伯語、英語、法語、德語、印地語等，具備多模態能力處理文字和圖像。模型專為多文檔分析、程式碼庫推理、個性化任務設計，支援函式呼叫功能。使用 Meta 自定義授權條款。
 - Llama-4-Scout-17B-16E-Instruct is a multimodal mixture-of-experts model released by Meta, featuring a total of 109 billion parameters with

17 billion active parameters across 16 experts. It supports 12 languages, including Arabic, English, French, German, and Hindi, and provides multimodal capabilities for processing both text and images. The model is tailored for multi-document analysis, codebase reasoning, and personalized tasks, with support for function calling. It is distributed under Meta's custom licensing terms.

12. 模型名稱 (Model Name) : gpt-oss-20b

- 參數規模 (Model Size) : 20B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Apache 2.0
- 授權連結 (License Link) :
 - <https://huggingface.co/openai/gpt-oss-20b/blob/main/LICENSE>
 - [GPT-OSS Usage Policy](#)
- 詳細說明 (Detail) :
 - GPT-OSS-20B 是 OpenAI 推出的開源推理模型，擁有 210 億總參數和 36 億活躍參數。採用混合專家架構和 MXFP4 量化技術，可在 16GB 記憶體設備上運行，適合本地部署和邊緣計算。支援可調節推理強度（低、中、高），提供完整思維鏈推理過程，具備函式呼叫、網頁瀏覽、Python 代碼執行等代理能力。模型採用和諧響應格式訓練。在常見基準測試中表現接近 OpenAI o3-mini，特別擅長工具使用和結構化輸出。
 - GPT-OSS-20B is an open-source reasoning model released by OpenAI, featuring 21 billion total parameters with 3.6 billion active parameters.

Leveraging a mixture-of-experts architecture and MXFP4 quantization, it can run efficiently on devices with 16 GB of memory, making it suitable for local deployment and edge computing. The model supports adjustable reasoning intensity (low, medium, high) and offers complete chain-of-thought reasoning. It also provides agentic capabilities such as function calling, web browsing, and Python code execution. Trained with a harmonized response format, GPT-OSS-20B performs comparably to OpenAI's o3-mini on common benchmarks, excelling in tool use and structured outputs.

13. 模型名稱 (Model Name) : gpt-oss-120b

- 參數規模 (Model Size) : 120B
- 模型類型 (Model Type) : 對話式大語言模型
- 授權類型 (License Type) : Apache 2.0
- 授權連結 (License Link) :
 - <https://huggingface.co/openai/gpt-oss-120b/blob/main/LICENSE>
 - [GPT-OSS Usage Policy](#)
- 詳細說明 (Detail) :
 - GPT-OSS-120B 是 OpenAI 的旗艦開源推理模型，擁有 1170 億總參數和 51 億活躍參數。採用混合專家架構配備 128 個專家和 MXFP4 量化技術，可在單一 80GB GPU (如 H100 或 MI300X) 上運行。在核心推理基準測試中性能接近 OpenAI o4-mini，支援高階推理、代理任務和企業應用。具備可調節推理

強度、完整思維鏈、函式呼叫、網頁瀏覽、Python 代碼執行等功能。在數學、編程、健康知識等領域表現卓越，甚至超越某些專有模型。

- GPT-OSS-120B is OpenAI's flagship open-source reasoning model, with 117 billion total parameters and 5.1 billion active parameters. It employs a mixture-of-experts architecture with 128 experts and MXFP4 quantization, capable of running on a single 80 GB GPU such as the NVIDIA H100 or AMD MI300X. On core reasoning benchmarks, it delivers performance close to OpenAI's o4-mini, supporting advanced reasoning, agent tasks, and enterprise applications. Features include adjustable reasoning intensity, full chain-of-thought reasoning, function calling, web browsing, and Python code execution. GPT-OSS-120B demonstrates outstanding performance in domains such as mathematics, programming, and health knowledge, in some cases surpassing proprietary models.

三、授權使用注意事項

1. 使用模型前請點選授權連結並詳讀選用模型之完整授權說明，請入選業者務必遵守且避免違反使用限制（例如商業用途、免責聲明、責任限制、智慧財產權等）。
2. 數位發展部數位產業署「數位產業跨域軟體基盤暨數位服務躍升計畫」算力平台僅提供上述模型於本平台內供業者進行模型訓練使用，不提供業者做為其他用途。

四、後續更新機制

本文件將依據模型更新與授權變更定期維護，將另行通知數位發展部數位產業署「數位產業跨域軟體基盤暨數位服務躍升計畫」114年第三梯次算力申請入選業者。