

【Whisper AI】
安裝部署及維運指南
V1.8 2024/08/20

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一、系統環境：

OS	Ubuntu 22.04 TLS
MySQL	8.0+
php	8.0+
python	3.10
Whisper AI	Docker latest
Yt package	Yt-dlp latest
Cron service	enabled
AutoStart at boot	Whisper AI docker

二、多工續傳套件

Resumable 套件

composer require dilab/resumable.php

server folder must contain 2 sub-folders named 'tmps' & 'uploads'

tmps is for resumable chunks

merged chunks(file) will be saved in uploads

本機檔案

Youtube

查詢

選擇檔案 21.mp4

擷取音檔多工數量: 12

檔名	21.mp4		
影片大小	21.34MB		
字幕格式	SRT 預覽 下載	FCPXML 預覽 下載	
位置	本機	完成時間	

三、php設定

```
upload_max_filesize = 5G
post_max_size = 3G
max_input_time = 3000
max_execution_time = 3000
```

四、Crontab 設定 (check if any pending task)

```
/etc/crontab or $crontab -e
(every 10 seconds)
* * * * * www-data php /var/www/html/soshow.app/nn_video/server/check_ai.php
* * * * * www-data sleep 10 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 20 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 30 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 40 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 50 ;php /var/www/html/soshow.app/nn_video/server/check_ai.php

Activate new crontab : Service cron reload
```

五、關於字幕產生之 Whisper AI 模型

1、cpu及記憶體限制設定：

此系統使用 openAI 的 Whisper AI 做為音轉文機制，AI 需求很大 CPU(GPU) 及記憶體資源，為避免系統崩潰，本系統目前嚴格限制 AI 以單線程運作。原則上同一時間只能有一個 whisper AI的請求進行處理(視cpu及記憶體剩餘量)，如遇到AI正在工作中且cpu占用超過60%或記憶體剩餘不足，後續請求將排隊佇列，直到前一個AI工作完成、釋放系統資源，才會進行下一個。

2、Whisper AI 線程調整準則：

模型運作 所需要的最小記憶體 (如使用 GPU & VRAM 需求也相同，但速度變快)，最小記憶體不可只看模型所需，還要加上系統運作需要的記憶體。

Tiny : 2G

Base : 4G

Small: 6G

Medium :8G

Large : 16G

視當時運作的模型而定，只有當記憶體資源 為 所需最小記憶體的2倍以上，才能調整為多線程運作，否則很大機率系統將過載 hang住，或陷於無止盡的 磁碟swapping中，或直接崩潰，務必注意。

```
server/check_ai.php
```

在開頭的地方

```
//AI多工設定 (up to which Whisper Model you use)
$multi_user=4; //目前最大32
```

使用哪個模型，有相對應的關係，請自行注意。模型越大，資源耗用越多，多功能開的越小。

測試時要注意，前端已經顯示 "AI處理中" 才是已經進入AI了，這時候的 GPU資源使用狀況才是準的。

```
測試時察看 GPU 資源:
$nvidia-smi
```

3、AI 模型服務安裝或啟動

```
docker run -d -p 9000:9000 -e ASR_MODEL=small -e
ASR_ENGINE=openai_whisper
onerahmet/openai-whisper-asr-webservice:latest
(replace small with available model you want)
```

Whisper 模型 official description：

Size	Parameter s	English-on ly model	Multilingua l model	Required VRAM	Relative speed
tiny	39 M	tiny.en	tiny	~1 GB	~32x
base	74 M	base.en	base	~1 GB	~16x
small	244 M	small.en	small	~2 GB	~6x

medium	769 M	medium.e n	medium	~5 GB	~2x
large	1550 M	N/A	large	~10 GB	1x

4、模型執行速度參考表(cpu mode) :(僅供參考, 執行速度 視硬體資源有所不同)

Cpu core	RAM(G)	Audio size (M)	Audio length	model	Time (s)	note
2	4	3.25	3:32	tiny	35	
2	4	3.25	3:32	base	121	
				small	151	
				medium		Swapping heavily (cpu & ram alert) After 1 hr , not crashed, but job not completed.
				large		

建議使用 base以上模型 , Tiny 表現不佳, 結果後續需要人工修改調整太多、幾乎不可用。
Cpu 2 cores + 4G Ram should be limited at model small.

5.Whisper AI 的維護

查看執行中的 docker : `$ docker ps`

Stop docker container : `$ docker container stop`

`dreamy_archimedes(name)`

啟動docker : `docker run -d -p 9000:9000 -e ASR_MODEL=small -e ASR_ENGINE=openai_whisper onerahmet/openai-whisper-asr-webservice:latest`

如果要在 GPU 環境下 , 啟用Whisper AI Docker :

```
sudo docker run -d --gpus all -p 9000:9000 -e ASR_MODEL=base -e  
ASR_ENGINE=openai_whisper  
onerahmet/openai-whisper-asr-webservice:latest-gpu
```

如果不使用 docker 可直接安裝 open_AI whisper(系統必須有 python & pytorch)
\$pip install -U openai-whisper

Command line example : whisper uploads/sZ1715745491.mp3 --output_format srt
--output_dir srt

*If you are using installed whisper , be careful about permission issues.

When you install whisper via pip , it uses ".cache/whisper" under your home directory
(who you are ?)

So , for php(as www-data) to run exec whisper , remember to assign permission
to www-data .

*depends on which user you are while you installing whisper , you may get this
msg :WARNING: The script whisper is installed in '/home/jj449/.local/bin' which
is not on PATH.Consider adding this directory to PATH , add path permanent,
system-wide :

\$sudo nano /etc/environment , then add path (if you are root use :sudoedit /etc/environment
And use your own pass)

To make path active : \$./etc/environment or \$source /etc/environment

Moreover , this user must be in group www-data , add user to : \$usermod -a -G www-data user

If still not work after assign www-data group , then give srt folder permission to that user

install/run whisper : \$sudo setfacl -m u:jj449:rwx srt

六、MySQL 連線限制設定

本案必須高強度 提供持續client端 Browser對server端 查詢AI處理進度' 因此MySQL
connection 限制必須放寬。

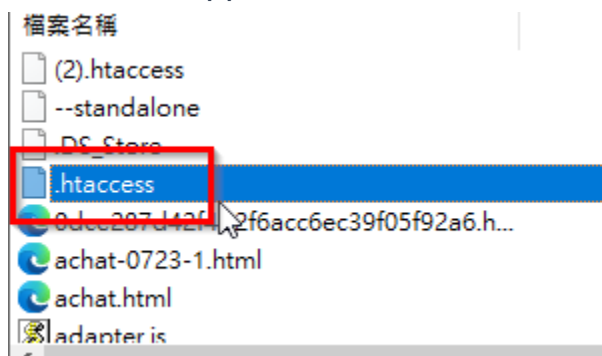
/etc/mysql/mysql.conf.d/mysqld.cnf (or maybe somewhere else)

Find "max_connections" , change it to any value you want , ex:10000.

七、關於 Webassembly 安全性設置

Cross-Origin Isolation needed .

必須在 web app目錄下 .htaccess 加上



Header add Cross-Origin-Opener-Policy "same-origin"

Header add Cross-Origin-Embedder-Policy "require-corp"

八、API 說明：

1. 音檔產生srt字幕

Endpoint	https://35.229.140.182/asr
Methos	post
Parameters	
encode boolean (query)	Encode audio first through ffmpeg Default value : true
ask string (query)	Available values : transcribe, translate Default value : transcribe
language string (query)	<i>Available values</i> : af, am, ar, as, az, ba, be, bg, bn, bo, br, bs, ca, cs, cy, da, de, el, en, es, et, eu, fa, fi, fo, fr, gl, gu, ha, haw, he, hi, hr, ht, hu, hy, id, is, it, ja, jw, ka, kk, km, kn, ko, la, lb, ln, lo, lt, lv, mg, mi, mk, ml, mn, mr, ms, mt, my, ne, nl, nn, no, oc, pa, pl, ps, pt, ro, ru, sa, sd, si, sk, sl, sn, so, sq, sr, su, sv, sw, ta, te, tg, th, tk, tl, tr, tt, uk, ur, uz, vi, yi, yo, yue, zh

initial_prompt string (query)	Initial_prompt ex:繁體中文 and English only
word_timestamps boolean (query)	Word level timestamps Default value : false
output string (query)	Available values : txt, vtt, srt, tsv, json Default value : txt
Request body(*required)	
audio_file * string(\$binary)	*required
Responses	
200	Successful Response Media type application/json Controls Accept header. Example Value Schema <pre>"string"</pre>
422	Validation Error Media type application/json Example Value Schema <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>

2. 辨識音檔語言

Endpoint	https://35.229.140.182/detect-language
Method	post
Parameters	
encode boolean (query)	Encode audio first through FFmpeg Default value : true
Request body(*required)	
audio_file * string(\$binary)	*required
Responses	
200	Successful Response Media type application/json Controls Accept header. Example Value Schema <pre>"string"</pre>
422	VMedia type application/json Example Value Schema <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>

3. Youtube URL API

Endpoint	https://media-tools.nownews.com/server/auto_yt.php
Methos	get/post
Parameters	
url string (query)	Url of Youtube video
Request body	
no	
Responses	
200	<pre>[{"error_code": "0", "file_id": "CY1716503586", "audio_url": "https:\\\\nn-video.soshow.app\\server\\uploads\\CY1716503586.mp3", "srt": "https:\\\\nn-video.soshow.app\\server\\srt\\CY1716503586.srt", "xml": "https:\\\\nn-video.soshow.app\\server\\fcpxml\\CY1716503586.fcpxml", "txt": "https:\\\\nn-video.soshow.app\\server\\txt\\CY1716503586.txt"}]</pre> Error_code 0: no error , request successfully 1: can not capture video id (may caused by wrong url) 2: can not extract video title ,try again later 3: can not extract video's thumbnail ,try again later 4. Insert video's metadata failed 5. Timeout . Can not complete task , maybe file size overload
504	CDN timeout

4. Clear queued API

Endpoint	https://media-tools.nownews.com/server/clear_queued.php
Methos	get/post
Parameters	

action string (query)	1:清除佇列 2:深度清除佇列
Request body	
no	
Responses	
200	<pre>[{"error_code": "0", "result": "queued task cleared"}]</pre> Error_code 0: no error , request successfully 1: clear queued task failed 2: no action assigned

九、備份與還原

1. 備份：

```
tar cvpzf backup.tgz --exclude=/proc --exclude=/lost+found  
--exclude=/backup.tgz --exclude=/mnt --exclude=/gcs /
```

系統全備份 放在 /gcs/backup.tgz 。
包含 docker 在內，不包含 /mnt /gcs

2. 還原

在根目錄下 / 以 root 身分 (sudo su)，執行：

```
tar xvpfz backup.tgz -C / (完整將所有備份目錄覆蓋回去)
```

附件一、源碼檢測(White Box Testing with Nuclei)

第一次檢測 2024/05/17

```
nuclei.exe -u https://media-tools.nownews.com
```

```

  _ _ _ _ _ / _ _ ( )
 / _ \ / / / _ \ / _ \ /
 / / / / / / / / / /
 / / / \ \ \ \ \ \ \ \ \ v3.2.7
```

projectdiscovery.io

[INF] Templates loaded for current scan: 7957

[INF] Executing 7957 signed templates from projectdiscovery/nuclei-templates

[INF] Targets loaded for current scan: 1

[INF] Templates clustered: 1483 (Reduced 1402 Requests)

[dns-saas-service-detection] [dns] [info] media-tools.nownews.com ["ryfe5t4q.cndns.digicentre.com"]

[caa-fingerprint] [dns] [info] media-tools.nownews.com

[INF] Using Interactsh Server: oast.fun

[tech-detect:google-font-api] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:x-content-type-options] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:x-permitted-cross-domain-policies] [http] [info]

https://media-tools.nownews.com

[http-missing-security-headers:cross-origin-embedder-policy] [http] [info]

https://media-tools.nownews.com

[http-missing-security-headers:cross-origin-opener-policy] [http] [info]

https://media-tools.nownews.com

[http-missing-security-headers:permissions-policy] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:x-frame-options] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:referrer-policy] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:clear-site-data] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:cross-origin-resource-policy] [http] [info]

https://media-tools.nownews.com

[http-missing-security-headers:strict-transport-security] [http] [info] https://media-tools.nownews.com

[http-missing-security-headers:content-security-policy] [http] [info] https://media-tools.nownews.com

[waf-detect:akamai] [http] [info] https://media-tools.nownews.com

[smtp-service-detect] [tcp] [info] media-tools.nownews.com:25

[ssl-issuer] [ssl] [info] media-tools.nownews.com:443 ["Let's Encrypt"]

[ssl-dns-names] [ssl] [info] media-tools.nownews.com:443 ["media-tools.nownews.com"]

全部為 **Info**等級，無漏洞。

附件二、GCP VM L4 測試 20240709

檔案 :video_file_size:5598.97MB

影片

長度01:05:14

畫面寬度1280

畫面高度720

資料速度11864kbps

總位元速率11991kbps

框架速度25.00 畫面/秒

音訊

位元速率126kbps

頻道2 (立體聲)

音訊取樣率44.100 kHz

字幕

擷取音檔多工數量 :4

如要抓取 執行時間，執行 index_test.html，執行完畢時，在console.log中，用以下藍字關鍵字，即可取得個時間點，並計算出執行時間。

1.
- start process local :1720477455935(全部程序開始時間)
- Start extract audio:1720477455935(local影片擷取mp3開始時間)
- Complete transcoding big :1720477673911(local影片擷取mp3結束時間)
- all done :1720477911080(全部程序結束時間)

← ↻ 🔍 https://media-tools.nownews.com/index_test.html

今日新聞
NOWNEWS

本機檔案

Youtube

查詢

選擇檔案Join_file_040130815.mp4擷取音檔多工數量: 4 ▼



▶ 0:00 / 1:05:14

檔名	Join_file_040130815.mp4		完成
影片大小	5598.97MB		
字幕格式	SRT 預覽 下載	FCPXML 預覽 下載	TXT 預覽 下載
位置	本機	完成時間	2024-07-09 06:31

16

```
developer@prod-media-tools-06:~$ nvidia-smi
Tue Jul 9 06:30:40 2024
```

NVIDIA-SMI 550.90.07			Driver Version: 550.90.07			CUDA Version: 12.4		
GPU	Name	Persistence-M	Bus-Id	Disp.A	Volatile	Uncorr. ECC		
Fan	Temp	Perf	Pwr:Usage/Cap	Memory-Usage	GPU-Util	Compute M.	MIG M.	
0	NVIDIA L4	Off	00000000:00:03.0	Off	0			
N/A	76C	P0	44W / 72W	983MiB / 23034MiB	25%	Default		N/A
Processes:								
GPU	GI	CI	PID	Type	Process name	GPU Memory		
	ID	ID				Usage		
0	N/A	N/A	9121	C	/app/.venv/bin/python	974MiB		

2.

start process local :1720479781406

Start extract audio:1720479781407

Complete transcoding big :1720480287956

all done :1720480486881

media-tools.nownews.com/index_test.html

Eternal - Open-s... forbole/big-dippe... General Requirem... Ethplorer - Etheru... ethereumjs/ethere... Mobile API | Go Et... Dashb

 今日新聞
NOWNEWS

本機檔案 Youtube 查詢

選擇檔案 Join_file_040130815.mp4 擷取音檔多工數量: 4



檔名 Join_file_040130815.mp4 完成

影片大小 5598.97MB

字幕格式 SRT 預覽 下載 FCPXML 預覽 下載 TXT 預覽 下載

位置 本機 完成時間 2024-07-09 07:14

0:00 / 1:05:14

```
developer@prod-media-tools-06:~$ nvidia-smi
Tue Jul 9 07:14:58 2024
```

NVIDIA-SMI 550.90.07			Driver Version: 550.90.07			CUDA Version: 12.4		
GPU	Name		Persistence-M	Bus-Id	Disp.A	Volatile	Uncorr. ECC	
Fan	Temp	Perf	Pwr:Usage/Cap		Memory-Usage	GPU-Util	Compute M.	
							MIG M.	
0	NVIDIA L4		Off	00000000:00:03.0	Off			0
N/A	73C	P0	33W / 72W	983MiB / 23034MiB		0%	Default	N/A
Processes:								
GPU	GI	CI	PID	Type	Process name	GPU Memory		
	ID	ID				Usage		
0	N/A	N/A	9121	C	/app/.venv/bin/python	974MiB		

cpu	dram	GPU	VRAM	local音檔	AI	全部
i5-7500	16G	GTX-1060	6G	218秒	237	455 秒
i3-3427	8G	X	X	507秒	198	705秒

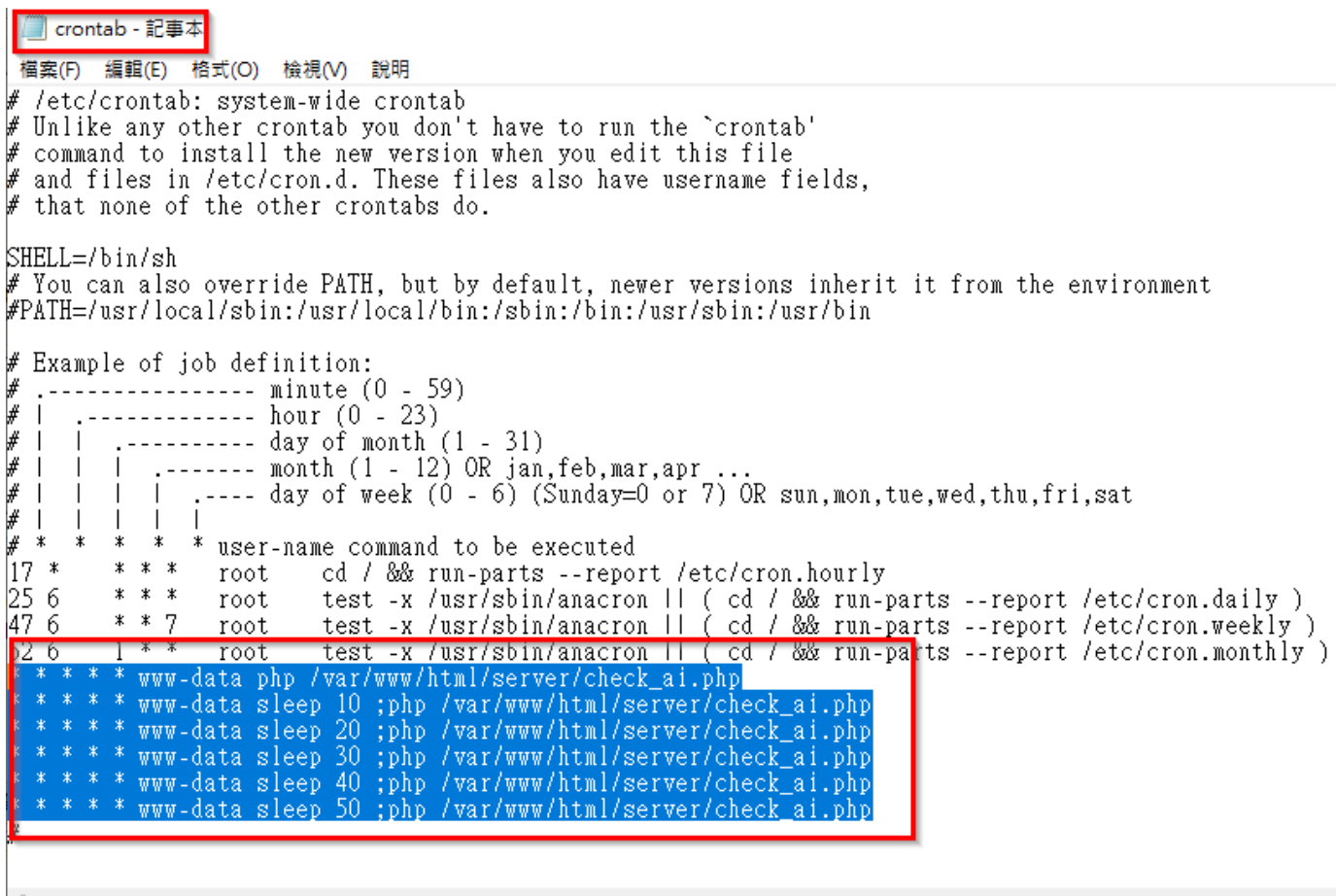
附件三、系統離線

(當需要 debug 且需在prod驗證, 需要避免user使用交互影響 時)

1. 如果只需要隔絕 user 使用 : 將 **index.html & auto_yt.php** 改名即可
2. 如果需要 debug **check_ai.php**這支 :

暫停作業

先移除 **crontab** 工作



```
# /etc/crontab: system-wide crontab
# Unlike any other crontab you don't have to run the `crontab'
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.

SHELL=/bin/sh
# You can also override PATH, but by default, newer versions inherit it from the environment
#PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin

# Example of job definition:
# .----- minute (0 - 59)
# | .----- hour (0 - 23)
# | | .----- day of month (1 - 31)
# | | | .----- month (1 - 12) OR jan,feb,mar,apr ...
# | | | | .----- day of week (0 - 6) (Sunday=0 or 7) OR sun,mon,tue,wed,thu,fri,sat
# * * * * * user-name command to be executed
17 * * * * root    cd / && run-parts --report /etc/cron.hourly
25 6 * * * root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily )
47 6 * * 7 root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.weekly )
12 6 1 * * root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.monthly )
* * * * * www-data php /var/www/html/server/check_ai.php
* * * * * www-data sleep 10 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 20 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 30 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 40 ;php /var/www/html/server/check_ai.php
* * * * * www-data sleep 50 ;php /var/www/html/server/check_ai.php
```

sudo service cron reload

作業完成再恢復 **crontab** 並 **sudo service cron reload**。

附件四、清除佇列恢復batch作業

1. 管理介面 admin.html



2. 清除佇列 API

https://media-tools.nownews.com/server/clear_queued.php?action=2

action=1 => 清除佇列

action=2 => 深度清除佇列

餘請參閱 API 說明。

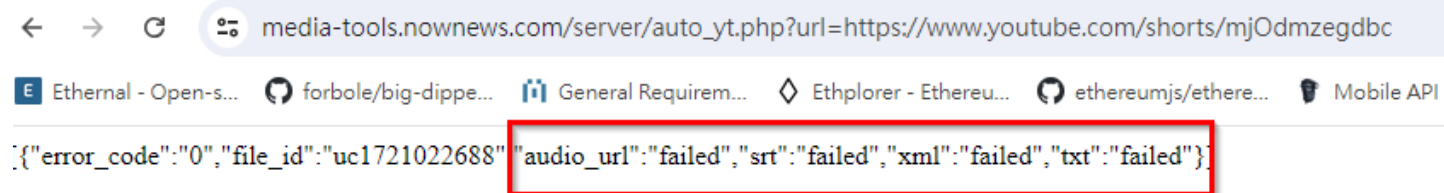
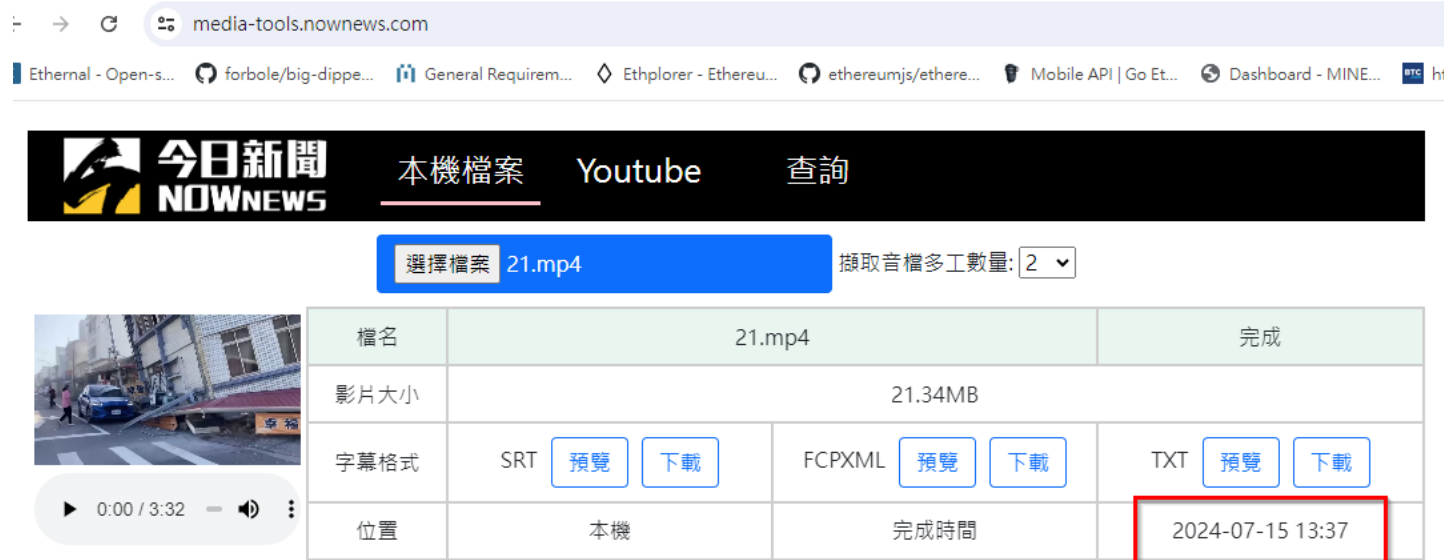
附件五、系統修復/調整紀錄

1. 2024/07/15

原因/現象：上禮拜五 因負載太高 後來有重開機 **docker** 也有重啟
目前網站打得開 但功能和**API** 都無法運作



測試: 功能正常執行, 所以**AI**沒有問題。



API這支 異常。異常出現在 抓取**youtube**影片的音檔時。
跑 **API** 那隻 看到以下錯誤訊息

```
[{"error_code": "0", "file_id": "uc1721022688", "audio_url": "failed", "srt": "failed", "xml": "failed", "txt": "failed"}]
```

4個 failed 就是被擋了

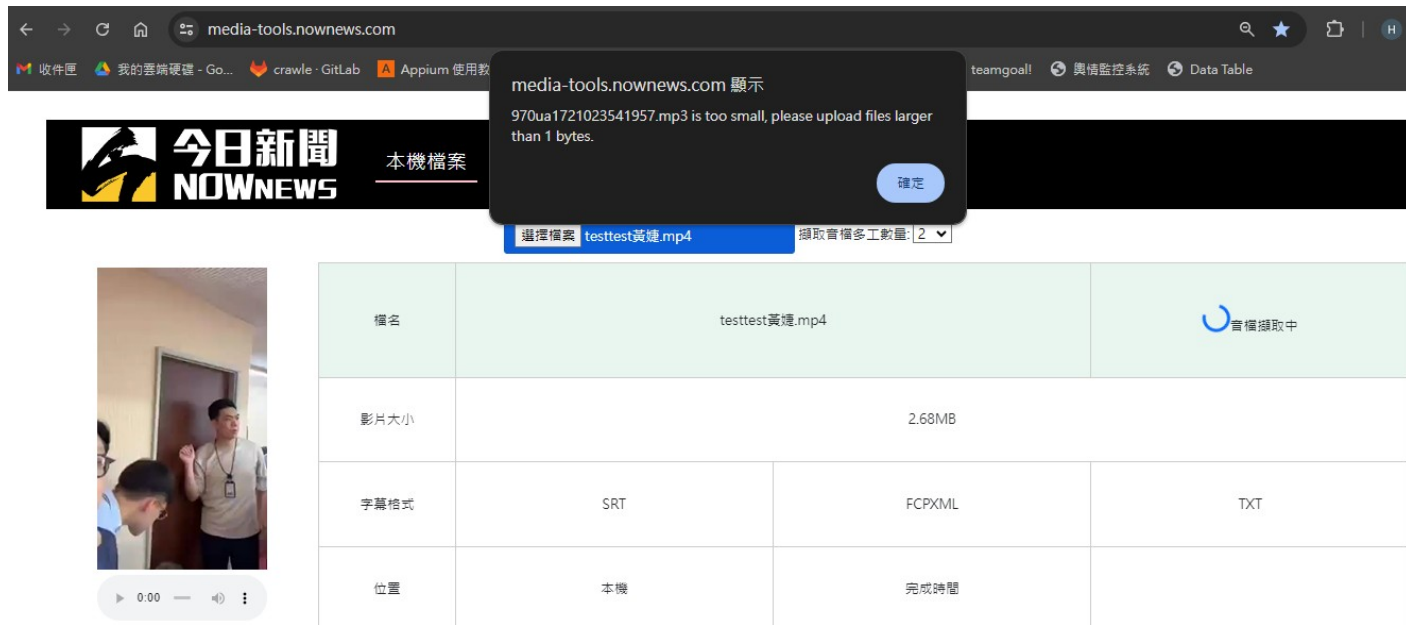
```
WARNING: [youtube] mJOdmzegdbc: nsig extraction failed: You may experience throttling for some formats
n = JkoBP9WxKFHJRCEfstT ; player = https://www.youtube.com/s/player/8d9f6215/player_ias.vflset/en_US/base.js
WARNING: [youtube] mJOdmzegdbc: nsig extraction failed: You may experience throttling for some formats
n = gsHRHUXHLyICjig7-Tm ; player = https://www.youtube.com/s/player/8d9f6215/player_ias.vflset/en_US/base.js
[youtube] mJOdmzegdbc: Downloading m3u8 information
[info] mJOdmzegdbc: Downloading 1 format(s): 140
ERROR: unable to download video data: HTTP Error 403: Forbidden
developer@prod-media-tools-06:/var/www/html/server
```

呼叫本API，若看到 回應 4個 failed，請立即停止使用並連繫中昇處理。被擋以後，仍持續不斷呼叫API會導致被 youtube屏蔽的時間延長。

解決：更新 抓youtubeu影片音檔 程式，避免被擋。中昇無償提供 3~5 proxy 作為繞道 + 分解動作下載加delay (youtube抓音檔這個部分會比之前慢一點點，但整體差距不大)

2. 2024/07/15

原因/現象：

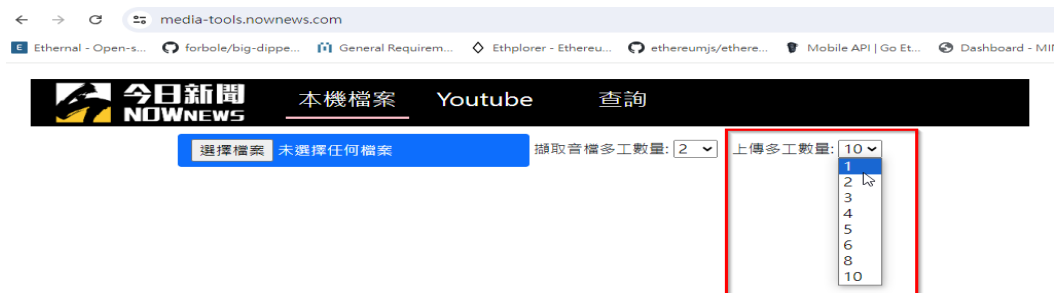


The screenshot shows a web browser at media-tools.nownews.com. A modal error message states: "970ua1721023541957.mp3 is too small, please upload files larger than 1 bytes." Below the error, there's a video player showing a man speaking, and a table with upload details.

檔名	testtest黃連.mp4		
影片大小	2.68MB		
字幕格式	SRT	FCPXML	TXT
位置	本機	完成時間	

會卡在 音檔上傳中

解決：開放 上傳多工數量 可以設定

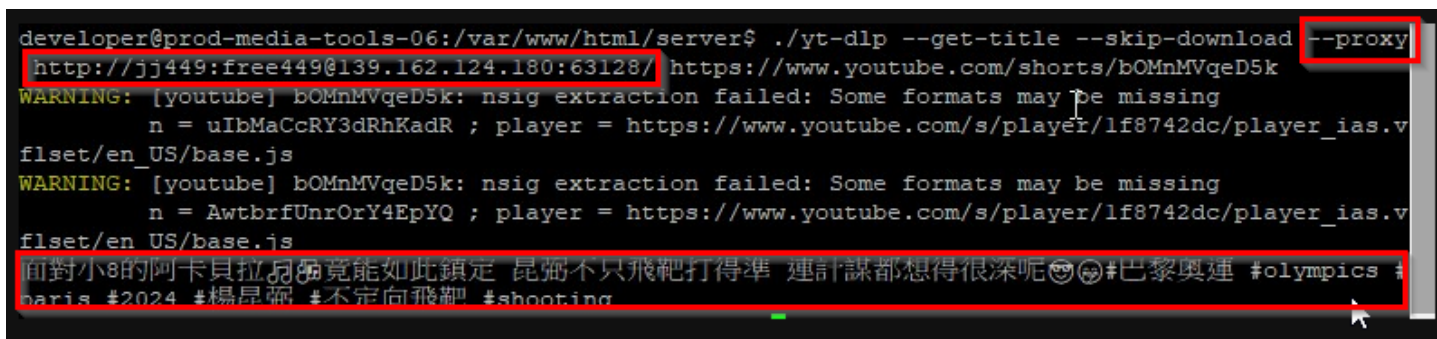


上傳有問題的，開放 上傳多工數量設定。
遇到此問題者，將上傳多工數量往下調整，調整為1 應該完全沒問題。

3. 2024/07/29 擷取youtube影片之 標題、縮圖、音檔 被擋



換走proxy 可以



所以確定是被屏蔽

以下為快速新增 **proxy** 指令

在 **ubuntu** 下 (此以**18.04**為例, 其他版本也差不多)

\$sudo apt update

\$sudo apt install squid

Check squid status :

\$sudo systemctl status squid

```
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@mail:~# sudo systemctl status squid
● squid.service - LSB: Squid HTTP Proxy version 3.x
   Loaded: loaded (/etc/init.d/squid; generated)
   Active: active (running) since Tue 2024-07-30 02:20:56 UTC; 19s ago
     Docs: man:systemd-sysv-generator(8)
    Tasks: 4 (limit: 4671)
   CGroup: /system.slice/squid.service
           └─24273 /usr/sbin/squid -YC -f /etc/squid/squid.conf
           └─24275 (squid-l) -YC -f /etc/squid/squid.conf
           └─24281 (logfile-daemon) /var/log/squid/access.log
           └─24282 (pinger)

Jul 30 02:20:56 mail.soshow.app systemd[1]: Starting LSB: Squid HTTP Proxy version 3.x...
Jul 30 02:20:56 mail.soshow.app squid[24230]: * Starting Squid HTTP Proxy squid
Jul 30 02:20:56 mail.soshow.app squid[24273]: Squid Parent: will start 1 kids
Jul 30 02:20:56 mail.soshow.app squid[24230]: ...done.
Jul 30 02:20:56 mail.soshow.app systemd[1]: Started LSB: Squid HTTP Proxy version 3.x.
Jul 30 02:20:56 mail.soshow.app squid[24273]: Squid Parent: (squid-l) process 24275 started
```

建立允許ip

\$Sudo nano /etc/squid/allowed_ips.txt

新增一個 proxy user : jj449/free449

\$printf "jj449:\$(openssl passwd -crypt 'free449')\n" | sudo tee -a /etc/squid/htpasswd

```
Jul 30 02:20:56 mail.soshow.app squid[24273]: Squid Parent: (squid-l) process 24275 started
root@mail:~# sudo printf "jj449:$(openssl passwd -crypt 'free449')\n" | sudo tee -a /etc/squid/htpasswd
jj449:he8bYfp0ZESIQ
root@mail:~#
```

Enable Auth :

\$sudo nano /etc/squid/squid.conf

這個檔案很大, 要找特定字串 **ctrl+w** "**#http_access allow localnet**"

加入驗證方式 紅字&黃底部分

...

auth_param basic program /usr/lib/squid3/basic_ncsa_auth

/etc/squid/htpasswd

#以上 newer version without 3 , ex: 22.04

auth_param basic realm proxy

acl authenticated proxy_auth REQUIRED

acl allowed_ips src "/etc/squid/allowed_ips.txt"

...

#http_access allow localnet

http_access allow localhost

http_access allow allowed_ips

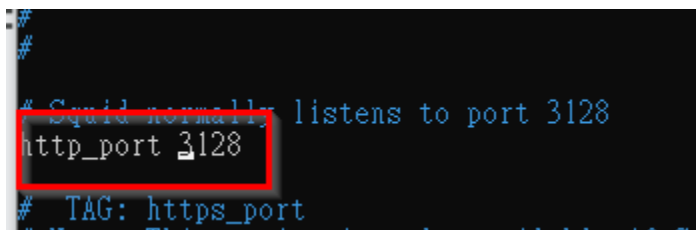
http_access allow authenticated

And finally deny all other access to this proxy

http_access deny all

變更 port

Ctrl+w " *# Squid normally listens to port 3128*"



```
#  
#  
# Squid normally listens to port 3128  
http_port 3128  
# TAG: https_port  
# ...
```

Restart squid

\$sudo systemctl restart squid

到AI prod 主機上測試 proxy連線：

curl --proxy http://jj449:free449@198.74.52.234:63128/ <https://www.google.com>

驗證可以透過 proxy 抓取 youtube資料：

./yt-dlp --get-title --skip-download --proxy

http://jj449:free449@198.74.52.234:63128/ --sleep-requests 3 --sleep-interval 10

<https://www.youtube.com/shorts/peQYevLHVRU>

不經過 proxy

./yt-dlp --get-title --skip-download --sleep-requests 3 --sleep-interval 10

<https://www.youtube.com/shorts/peQYevLHVRU>

```

developer@prod-media-tools-06:~$ cd /var/www/html/server
developer@prod-media-tools-06:/var/www/html/server$ ./yt-dlp --get-title --skip-download --pro
xy http://jj449:free449@172.105.240.163:63128/ --sleep-requests 2 --sleep-interval 10 https://
www.youtube.com/shorts/peQYevLHVRU
WARNING: [youtube] peQYevLHVRU: nsig extraction failed: Some formats may be missing
      n = 6bel80uWdTjqIVQb ; player = https://www.youtube.com/s/player/0e90208b/player_ias.
vflset/en_US/base.js
WARNING: [youtube] peQYevLHVRU: nsig extraction failed: Some formats may be missing
      n = 1AcC4yLM3MUPet7I ; player = https://www.youtube.com/s/player/0e90208b/player_ias.
vflset/en_US/base.js
擊劍王子-平常也練16蹲?奔通整個超輕鬆👉(只能說年輕真好👉)(最後加強版也送給你們啦👉)👉奧運N
ow英雄#巴黎奧運 #olympics #陳奔通 #擊劍 #fencing #16蹲
developer@prod-media-tools-06:/var/www/html/server$

```

成功抓取，表示 proxy works .

將 proxy 加入 輪值 : check_ai.php , handle_yt.php , auto_yt.php

開啟檔案，搜索 "--proxy" 將新的 proxy 加入輪值 。

用 GCP/AWS 做 proxy 有點不划算

可以用片移的就好 例如 linode(Akami)，選最便宜方案，\$6/M，有2T流量。