Docker N8N

1. Mua VPS (có thể có GPU hoặc không có GPU)

Nếu không có GPU	Khá rẻ, mua online tại	EZVps.vn
Nếu có GPU	Chạy được LLM	thuegpu.vn

2. Install Docker on Ubuntu

	sudo apt update
Lib	sudo apt install -y apt-transport-https ca-certificates curl software-properties-common
Add GPG Key	curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
Add docker repo	sudo add-apt-repository "deb [arch=amd64] ~~https~~://download.docker.com/linux/ubuntu focal stable"
	apt-cache policy docker-ce
	sudo apt install -y docker-ce
Check status	sudo systemctl status docker

3. Run n8n on docker

Get image	sudo docker pull n8nio/n8n
Check images	sudo docker images
Install Ngrok	curl -sSL https://ngrok-agent.s3.amazonaws.com/ngrok.asc \ | sudo tee /etc/apt/trusted.gpg.d/ngrok.asc >/dev/null \ && echo "deb https://ngrok-agent.s3.amazonaws.com buster main" \ | sudo tee /etc/apt/sources.list.d/ngrok.list \ && sudo apt update \ && sudo apt install ngrok
Start ngrok	ngrok config add-authtoken <auth token here>
	ngrok http http://localhost:5678
Remove Container	sudo docker stop n8n && sudo docker rm n8n

Run deamon	sudo docker run -d --name n8n -p 5678:5678 -e N8N_EDITOR_BASE_URL=<ngrok url here> -e N8N_SECURE_COOKIE=false -e GENERIC_TIMEZONE=Asia/Ho_Chi_Minh n8nio/n8n

4. Setup Credential Google

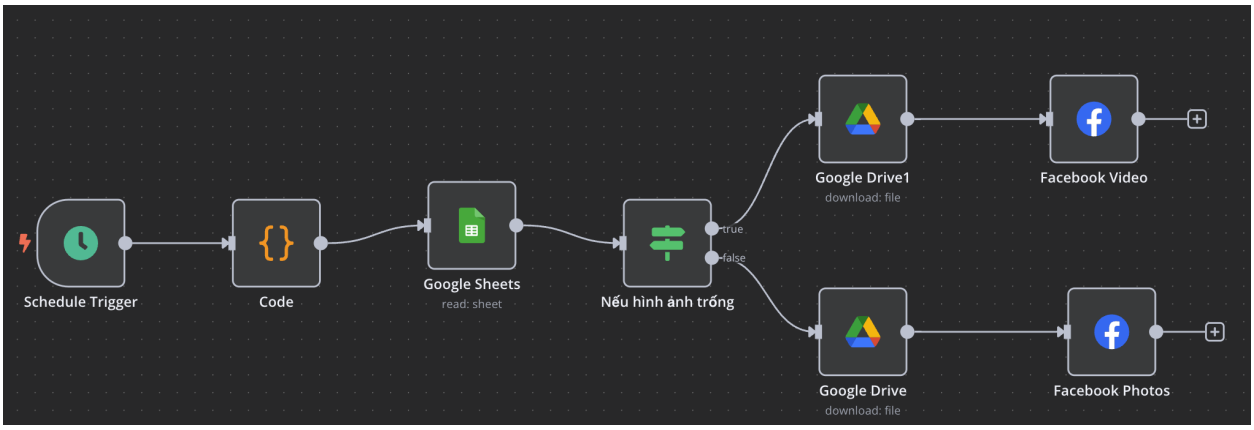
Go to	https://console.cloud.google.com/apis/dashboard?inv=1&invt=Ablrmg
Enable API	New Project: n8n read file, select API
	API & Service > Library
	Google Drive API> Enable
	Google Sheet >Enable
Tạo Consent Screen	Consent Screen → add test user URL in Consent screen on Localhost:5678 (n8n)
Tạo Credentials	Create Credential > OAuth → lấy client ID và Secret
Client ID	
Client Secret	

5. Setup Facebook Token to post

- Same last video

Token same previous video	
Parameter	• if post video: title, description • if post photo: message
Download to data	Send binary data

6. Test WF



My_workflow_2.json

```
// Access or initialize Persistent Data
const persistentData = $getWorkflowStaticData('global');

// Initialize the current counter if it doesn't exist
if (typeof persistentData.counter === 'undefined') {
  persistentData.counter = 0;
}

const updatedCounter = persistentData.counter + 1;
// Update the current counter
if (updatedCounter >= 3) {
  persistentData.counter = 1;
} else {
  persistentData.counter = updatedCounter;
}

// Return the selected element
return [
  {
    json: { current: persistentData.counter }
```

```
  }
];
```

7. **Install Ollama on Ubuntu Server**

	curl -fsSL https://ollama.com/install.sh | sh
	ollama pull llama3.2
	OLLAMA_MODELS=/usr/share/ollama/.ollama/models OLLAMA_HOST=http://103.20.97.11:5050 ollama serve
	OLLAMA_MODELS=/usr/share/ollama/.ollama/models OLLAMA_HOST=http://103.20.97.11:5050 nohup ollama serve > ollama.log &

8. Change WF and test
9. Các cải tiến

- Mount Volume trong Docker ra ngoài để không mất dữ liệu