Ultimate Media Agent Army

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## 

## **Part 1: Cost Breakdown**

### **1. Chat Models: GPT-5 Mini vs. GPT-4.1 Mini**

* **GPT‑5 Mini**:
  + Input: **$0.25 per million tokens**
  + Output: **$2.00 per million tokens**
* **GPT‑4.1 Mini**:
  + Input: **$0.40 per million tokens**
  + Output: **$1.60 per million tokens**

**Comparison Highlights**:

* **GPT‑5 Mini** is more cost-efficient on input tokens (~38% cheaper), but has slightly higher output cost.
* **Total cost will depend** on your typical input/output token ratio—GPT‑5 Mini generally yields lower overall cost given leaner input pricing.
* **I use** [**OpenRouter**](https://openrouter.ai/) **for my chat models. It lets you connect to multiple models through one account, meaning you can track all of your usage and billing in one spot. So I'm a big fan of OpenRouter.**

### **2. Image & Video Generation (GPT-1 & Veo3 Fast)**

* **GPT‑Image‑1 (OpenAI)**:
  + Input tokens: **$10.00 per million tokens**
  + Output tokens: **$40.00 per million tokens**
  + Equivalent per image (square):
    - Low quality: ~$0.01
    - Medium: ~$0.04
    - High: ~$0.17
* **Veo 3 Fast:**:
  + Text to Video
    - For every second of video you generated, you will be charged $0.25 (audio off) or $0.40 (audio on). For example, a 5s video with audio on will cost $2.00.
  + Image to Video
    - Experimental pricing, subject to change: For every second of video you generated, you will be charged $0.27(audio off) or $0.4 (audio on). For example, a 5s video with audio on will cost $2.
* **We are accessing GPT's image generation model through** [**OpenAI's API**](https://platform.openai.com/)**, and we're accessing VO3Fast through** [**FAL AI**](https://fal.ai/)**. You will need to create API keys for each of these APIs, as well as billing information.**
* Also using a service called [IMGBB](https://imgbb.com/) in the image-to-video step because we need to get a public URL for our file. You can get started on a free plan.

### **3.** [**Bloatato Subscription**](https://blotato.com/?ref=nate) **(if used for posting)**

* Estimated Pricing (based on available info):
  + Free trial for the first 7 days.
  + Then **$29/month** standard plan
* **Promo Code**: Use **NATE30** for **30% off** for six months.
  + That brings monthly cost down to **$20.30/month** for those six months.

### **4.** [**Apify Scrapers**](https://www.apify.com/?fpr=nate)

* **Apify Pricing**:
  + Free tier: limited ($5 in usage credits/month)
  + Starter: $39/month (plus $39 in store credit)
  + Scale: $199/month
  + Business: $999/month
* **Promo Code**: Use **30NATEHHERK** for **30% off your first 3 months**.
  + Example: Starter plan effective rate becomes ~$27.30/month.

### **5. Other APIs (Perplexity, Tavily, OpenWeatherMap, etc.)**

* [**Perplexity API**](https://www.perplexity.ai/):
  + To use the Perplexity API most effectively, a **Pro subscription** is recommended: ~$20/month per seat with $5 credit.
  + Token-level costs vary by chosen model—ranging between **$1–$15 per million tokens input/output**, with additional request or citation tokens fees specific to model tier .
* [**Tavily**](https://tavily.com/):
  + Free Tier:
    - 1,000 credits per month, with no credit card required
* [**OpenWeatherMap**](https://openweathermap.org/api):
  + Free Tier:
    - 1,000 API calls per day included at no cost

## **Part 2: Setup Instructions**

### **JSON Workflows to Download (9 Files)**

* **Creative Agent** (4 workflows):
  1. **Edit Image**
  2. **Create an Image**
  3. **Image to Video**
  4. **Create Video**
* **Posting Agent** (3 workflows):
  1. **X Post**
  2. **TikTok Post**
  3. **Instagram Post**
* **Ultimate Media Agent**: (2 workflows):
  1. **Ultimate Agent**
  2. **Create Doc Tool**

The rest should integrate seamlessly as subflows, so you don't need to fetch a bunch of extra files.

### **Google Environment Setup**

1. **Folders in Google Drive**:
   * Create folder: **“Media Analysis”** — This will hold documents.
   * Create folder: **“Media”** — This will hold all media files.
2. **Google Drive Agent Connections**:
   * **Search Docs** tool: pointed to the **Media Analysis** folder.
   * **Search Media** tool: pointed to the **Media** folder.
3. **Google Sheets Integration**:
   * [Copy the provided template Google Sheet.](https://docs.google.com/spreadsheets/u/2/d/1ji6qJCv8YfrHVtgdCZmN9UZtHd3Ay9c_MjqKnad-_mw/copy)
   * Link it in the two Google Sheet nodes on the right-hand side of the **Ultimate Media Agent** workflow.
4. **Credential Configuration**:
   * Connect your necessary credentials for:
     + Telegram
     + OpenRouter
     + Fal
     + OpenAI
     + Gmail
     + Airtable
     + Calendar (Google Calendar, assumed)
     + Other tool agents as needed.

Once all folders, sheet links, and credentials are set, everything should be ready to go with minimal additional setup.

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