

Server Resilience & Recovery Guide

What to do before, during, and after your server crashes. Backup, recovery, and shutdown playbooks.

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Hermes Shutdown & Restart Guide — Scott Tomiko

Overview

This guide covers how to shut down Hermes cleanly so you can restart it later without losing anything. Also covers the cost breakdown if your boss agrees to pay for the server.

What You'd Lose If You Shut Down Without Saving

Not lost (GitHub): - All wireless Python tools (WirelessProjects repo) - All Atlas website templates (atlas-automation-files repo) - Nexus config (SOUL.md, USER.md, MEMORY.md — read from GitHub on startup)

Would be lost (local only): - Hermes session history (past conversations) - Cron job output logs - YouTube OAuth tokens (need to re-auth if more than 7 days pass) - Replicate API keys (if you add one later, save it manually)

How to Shut Down Cleanly

```
# 1. Push final commits
cd /opt/data/WirelessProjects && git push origin main
cd /opt/data/atlas-automation-files && git push origin main

# 2. Stop all Hermes gateway processes
kill -f "hermes.*gateway" || true

# 3. Export final guide exports (already done nightly at 23:30 UTC)
# Manual run if needed:
python3 /opt/data/nexus/scripts/guide-exporter.py

# 4. The server can be terminated safely after this
```

How to Restart

```
# 1. Clone repos fresh (if new server)
git clone https://github.com/stomiko25/WirelessProjects.git
git clone https://github.com/stomiko25/atlas-automation-files.git

# 2. Install Hermes (if new server)
# Follow Hermes docs – same install as first time

# 3. Set up .env files with API keys
# /opt/data/.hermes/.env – uses Atlas keys
# /opt/data/profiles/wireless/.env – uses Wireless keys
# Keys stored in /opt/data/.keyvault (hex-encoded)
# Swap script: /opt/data/swap-keys.py

# 4. Start gateways
cd /opt/data/.hermes && hermes gateway run --replace &
cd /opt/data/profiles/wireless && HERMES_HOME=/opt/data/profiles/wireless hermes
gateway run --replace &
```

Critical: YouTube OAuth Tokens

The OAuth tokens expire after 7 days of inactivity. If Hermes is down more than 7 days, you'll need to re-authenticate:

- Failure Lab token: `faceless-youtube/.yt-oauth-token-fl.pkl`
- Builders Lab token: `faceless-youtube/.yt-oauth-token.pkl`

Re-auth flow: Run the upload script and it will give you a URL to visit in a browser. You log into Google, approve, and the token refreshes.

Ongoing Cost Breakdown (for Boss Discussion)

Server Costs

Item	Monthly Cost
Hermes server (VPS/VM)	~\$100/mo
Total fixed	\$100/mo

Token Costs (if boss pays server, you pay tokens)

Activity	Cost per video	Notes
YouTube long-form doc	~\$1.50-2.00	DeepSeek V4 Flash for research + script, Chirp3 TTS

Activity	Cost per video	Notes
YouTube teaser (via FFmpeg, no Blotato)	~\$0.10	DeepSeek V4 Flash only
Stock photos (100 images)	~\$0.30	DeepSeek prompts + FLUX at \$0.003/image
Wireless tool use	~\$0.50-2.00/session	DeepSeek V4 Flash, variable by usage
\$10/week cap	~\$40/mo max	Hard limit configured

YouTube Pipeline — Exact Costs Per Doc (if you keep going slow-burn)

Step	Model	Cost
Research + script	DeepSeek V4 Flash	~\$0.40
Voiceover (Chirp3 HD)	Edge/TTS API	~\$0.30
Scene images (9-11 images × \$0.003)	FLUX.1 Schnell	~\$0.03
Assembly + captions	FFmpeg (free)	\$0
Upload	Free (OAuth)	\$0
Total per 12-15 min doc		~\$0.73

At one doc per week: **~\$3/month in tokens**. That's it.

What "Slow Burn" YouTube Looks Like

If boss pays the server and you just keep it running:

1. **One documentary per week** — pick a story, I write the script, generate images, assemble, upload
2. **No teasers** — just long-form docs that accumulate on the channel
3. **Monthly cost:** \$0 (server covered) + ~\$3 (tokens) = **\$3/month**
4. **12 videos in 3 months** = 12 chances for one to catch the algorithm
5. **Nothing to lose** — if it doesn't work after a year, you're out ~\$36 in tokens

The Enron doc got 874 views. If 3 out of 12 docs match that, you have 2,600+ views and a channel that looks established. One video going viral changes everything.

Bottom Line

Scenario	Monthly Cost	Time from you
Shut down Hermes	\$0	0
Boss pays server, you do YouTube slow-burn	~\$3 (tokens)	0 (I do it)
Boss pays server, you keep wireless tools	~\$10-40 (tokens)	Only when you need a tool run

Questions?

If you have a question, please ask and we'll get back to you.

Email: questions@atlasautomation.co