# ===== Core Paths =====

ROOT\_DIR=/data/agentic\_ai

GDRIVE\_MOUNT=/mnt/gdrive/agentic AI

DOCSTORE\_DIR=${ROOT\_DIR}/docstore # CAS 衍生檔存放處（≤5MB）

RAWSTORE\_KEEP=false # 不長留原始大檔

DERIVED\_MAX\_MB=5

# ===== Capacity / Seats =====

TOTAL\_STORAGE\_LIMIT\_BYTES=1649267441664 # ≈1.5TB

PUBLIC\_MAX\_SEATS=3

PUBLIC\_IDLE\_TIMEOUT\_SEC=300 # 5 分鐘

PUBLIC\_INPUT\_MAX\_CHARS=500

PUBLIC\_HISTORY\_BUDGET\_CHARS=5000 # 記憶約10問上下（估）

# ===== GNSE / Sparse Recognition =====

GNSE\_TIMEBOX\_MS=1200

GNSE\_MAX\_STEPS=4

GNSE\_DIM\_STRUCT=128

GNSE\_WALK\_LEN=40

GNSE\_WALKS\_PER\_NODE=20

GNSE\_P\_JSON={"default":1.0}

GNSE\_Q\_JSON={"default":2.0}

GNSE\_ALPHA\_JSON={"Concept->Instance":1.2,"Cause->Event":1.2,"default":1.0}

# ===== Spectrum (Appendix H) =====

SPECTRUM\_PRESET\_REGION=tw

SPECTRUM\_REGISTRY\_PATH=${ROOT\_DIR}/spectra

# ===== L2 Preflight =====

PREFLIGHT\_TIMEOUT\_MS=800 # 超時降級：單位/時間/等式

NEEDS\_REVISION\_TTL\_DAYS=60 # 60 天未決→自清

NEWS\_TTL\_DAYS=60

# ===== Milvus / Neo4j / Cache =====

MILVUS\_URI=tcp://localhost:19530

MILVUS\_COLLECTION=multimodal\_data

NEO4J\_URI=bolt://localhost:7687

NEO4J\_USER=neo4j

NEO4J\_PASS=\_\_FILL\_ME\_\_

REDIS\_URI=redis://localhost:6379

# ===== Models: 8B / Whisper / TTS =====

LLM\_MODEL=Llama-Breeze2-8B

LLM\_QUANT=INT4

WHISPER\_IMPL=faster-whisper

WHISPER\_MODEL=large-v3

WHISPER\_DEVICE=cuda

WHISPER\_PRECISION=fp16

WHISPER\_VAD=true

BREEZYVOICE\_ENABLED=true

BREEZYVOICE\_CACHE\_DIR=${ROOT\_DIR}/tts\_cache

BREEZYVOICE\_CACHE\_SIZE\_GB=10

BREEZYVOICE\_CACHE\_TTL\_DAYS=7

# ===== Function-Calling Whitelist (8B) =====

FC\_ALLOW=demux\_audio,stt\_transcribe,ocr\_image,extract\_keyframes,format\_transcript,normalize\_units,emit\_perception\_packet,tts\_speak

# ===== Security / Seats / Frontend =====

FRONTEND\_CORS\_ORIGINS=https://your-demo-host

ANON\_RATE\_LIMIT\_PER\_MIN=6

LOG\_PII=false

# ===== Triple Lock (駕駛艙三重認證；請部署時填入) =====

COCKPIT\_MAGIC\_PHRASE=駕駛艙 # 固定中文關鍵詞

COCKPIT\_BYPASS\_TOKEN=\_\_FILL\_ME\_\_ # 純字元密碼（立即進入）

COCKPIT\_Q1\_CHOICES="\_\_FILL\_20\_CODES\_\_" # 逗號分隔 20 組四位數（順序固定）

COCKPIT\_Q1\_ANSWER="\_\_FILL\_ONE\_\_"

COCKPIT\_Q2\_CHOICES="\_\_FILL\_20\_CODES\_\_"

COCKPIT\_Q2\_ANSWER="\_\_FILL\_ONE\_\_"

COCKPIT\_Q3\_PROMPT\_SEED=048 # 顯示碼

COCKPIT\_Q3\_CORRECT="\_\_FILL\_\_"

COCKPIT\_RETRY\_FREEZE\_SEC=180

# ===== Backups =====

BACKUP\_DB\_ON\_BOOT=true

BACKUP\_DB\_KEEP=5

BACKUP\_PROGRAM\_MANUAL=true

BACKUP\_PROGRAM\_KEEP=2

GDRIVE\_BACKUP\_DIR=/Backups