



Memory Deployment Runbook A-Z

(OpenClaw)

Triển khai thực chiến: Từ khởi tạo storage đến vận hành tự động

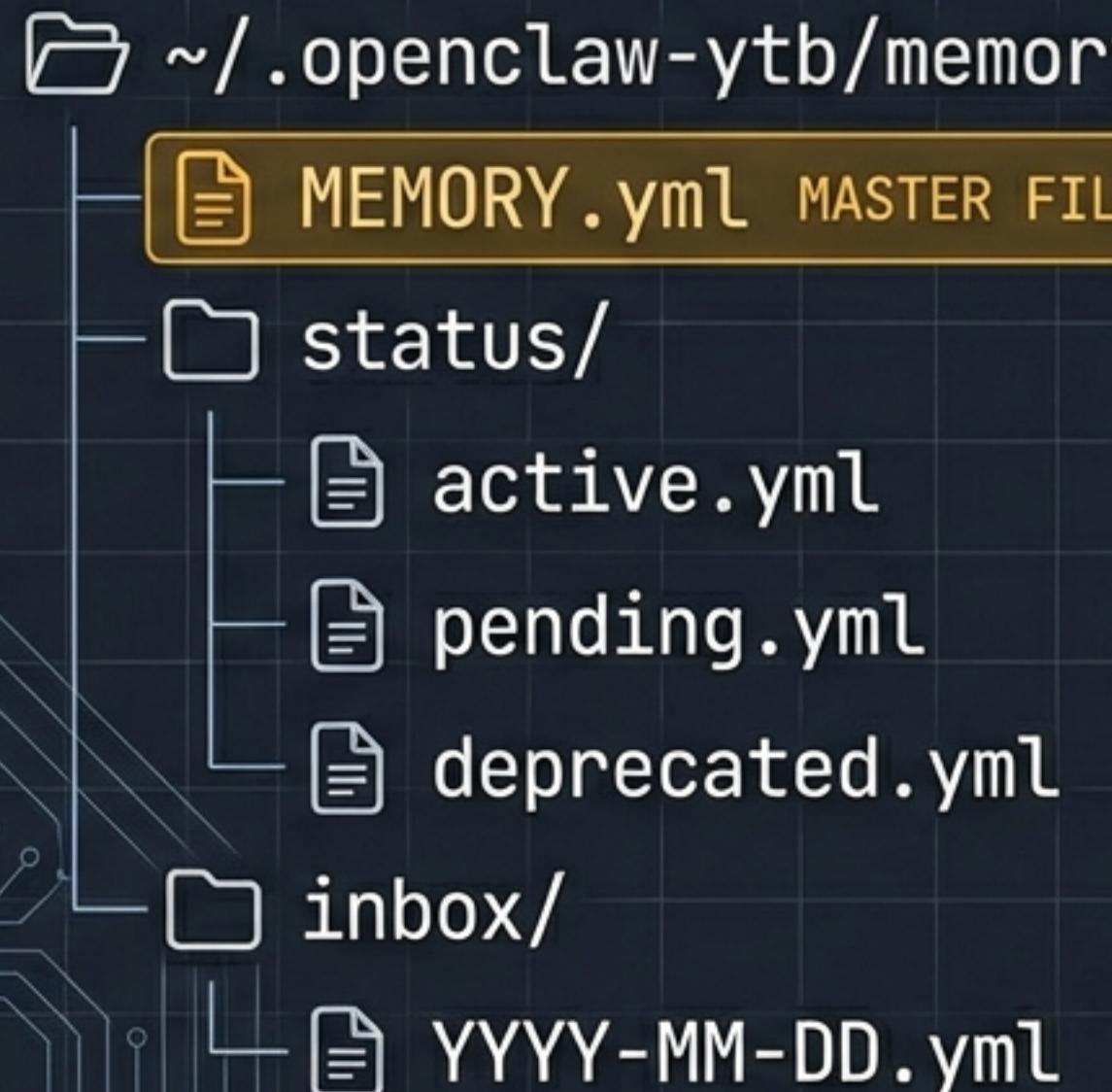
Lộ trình triển khai



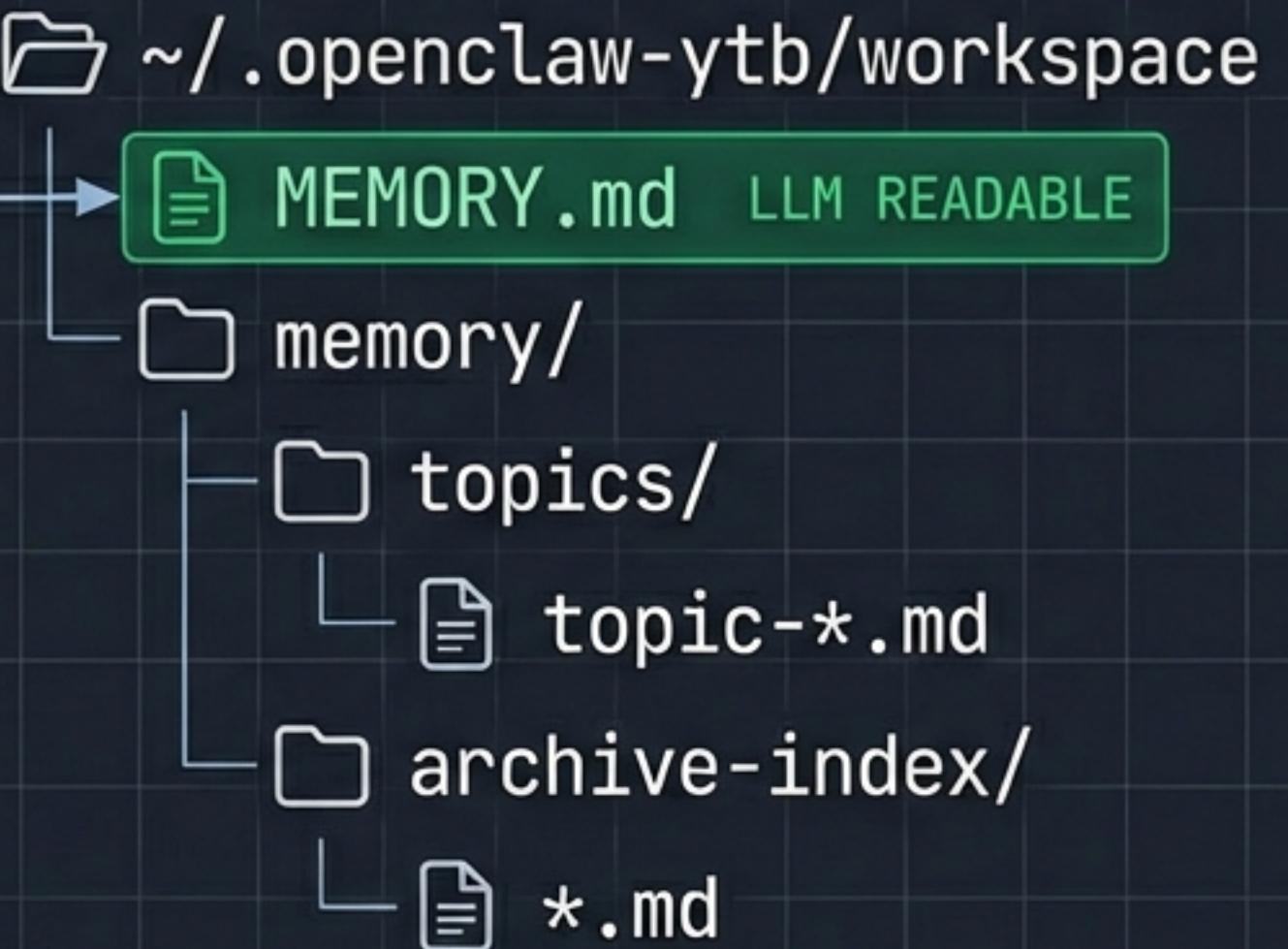
Phạm vi bao gồm toàn bộ vòng đời dữ liệu: Từ dữ liệu thô (Raw) đến tri thức truy hồi (Searchable).

Kiến trúc hệ thống & Thư mục đích

STORAGE LAYER (Source of Truth)



RUNTIME LAYER (Serving)



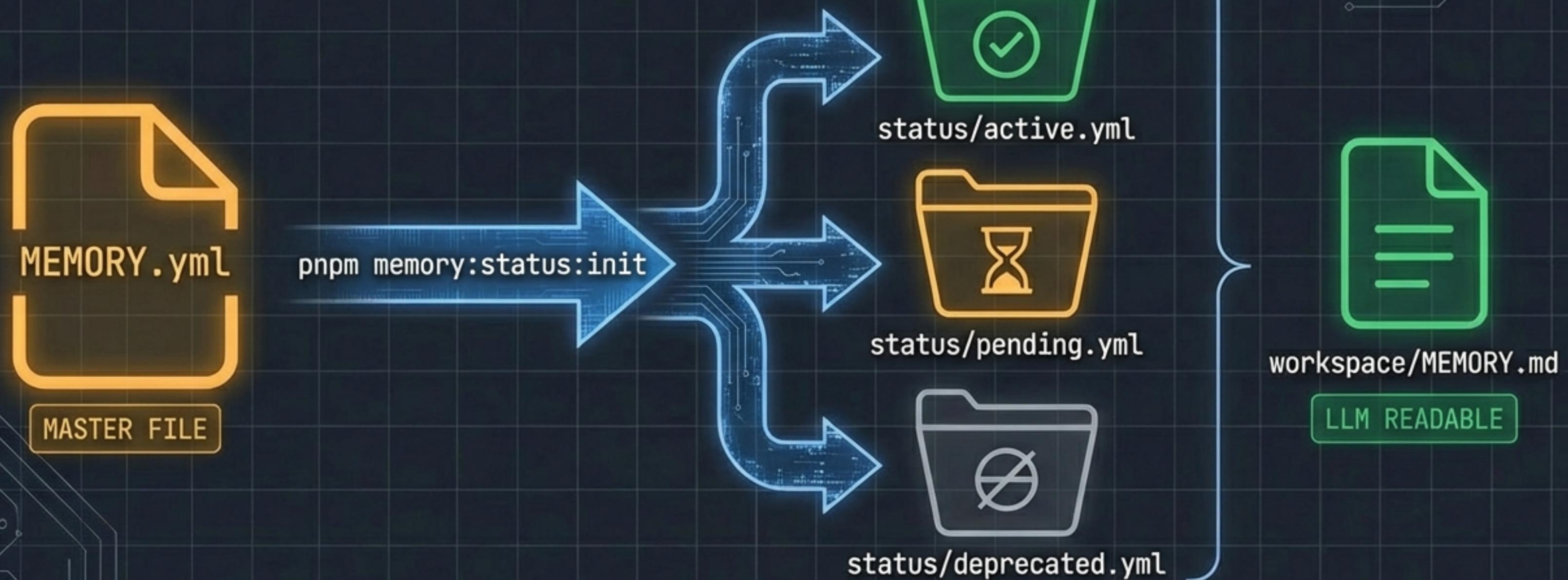
Điều kiện tiên quyết

- Environment: Node 22+, pnpm installed
Repo path: /Users/nghia.le/Workspace/Code/openclaw
- API Keys Setup
Required: GEMINI_API_KEY (Priority) or GOOGLE_API_KEY
- Configuration File
Runtime Env OR ~/.openclaw-ytb/openclaw.json



BACKUP REQUIRED: Bắt buộc backup dữ liệu cũ trước khi chạy lệnh khởi tạo.

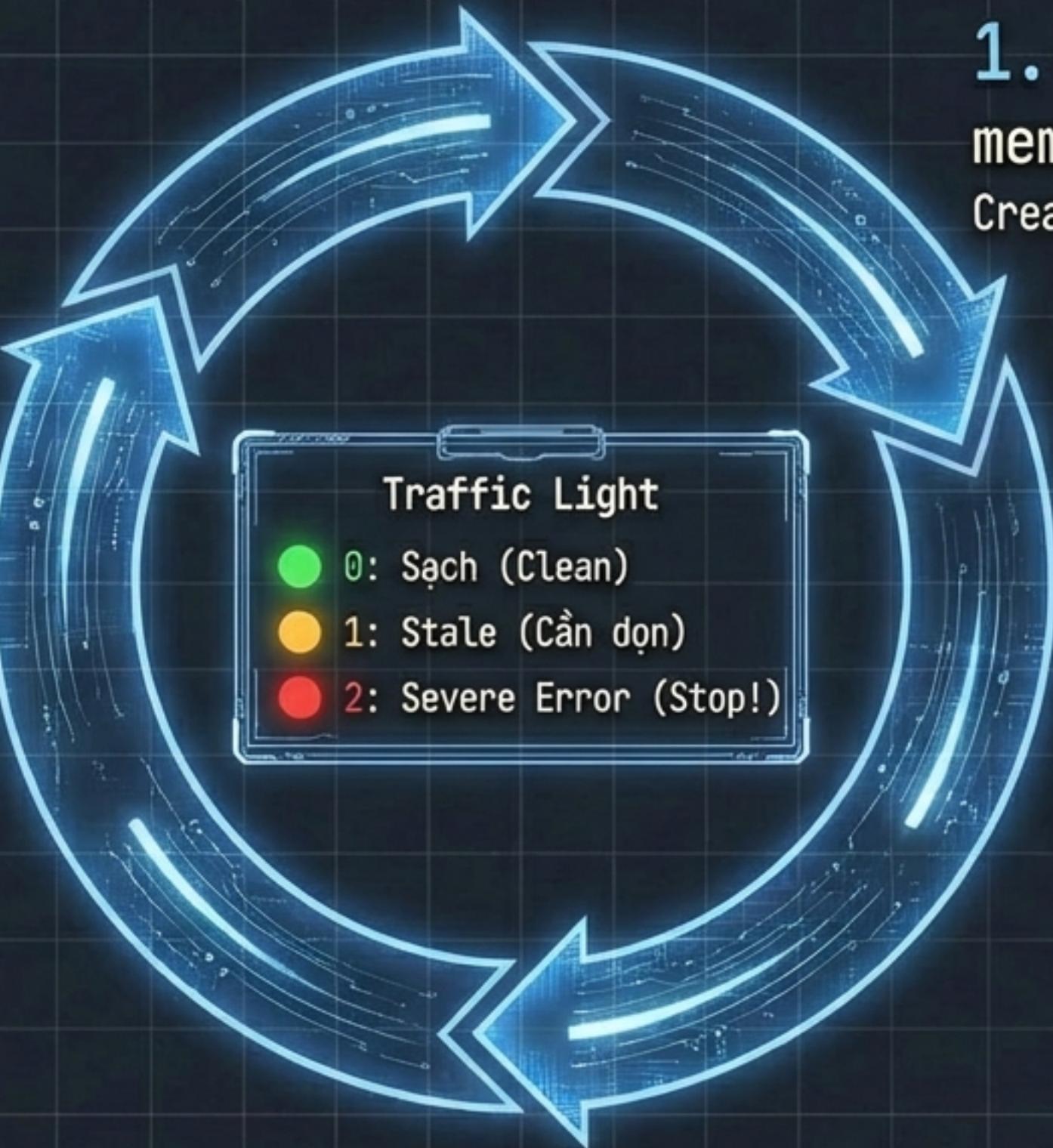
Bootstrap I: Khởi tạo Status Store



Lưu ý: Sử dụng 'memory:import' nếu di chuyển từ dữ liệu Legacy Markdown.

Bootstrap II: Pipeline xử lý dữ liệu

3. AUDIT
memory:audit
Quality Control



1. CAPTURE

memory:capture

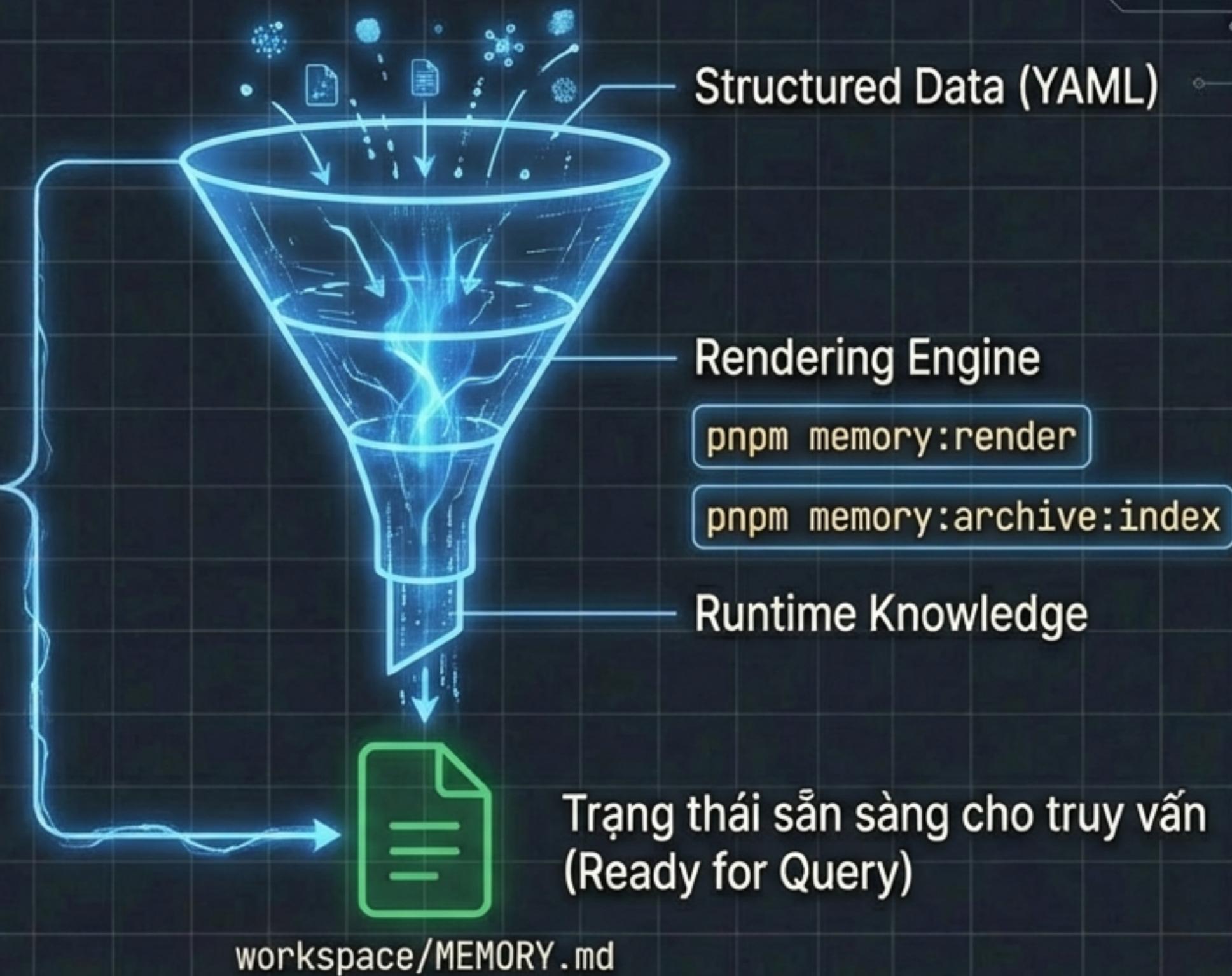
Creates Inbox & Session State

2. TRIAGE

memory:inbox:triage

Sorts: Active / Pending

Bootstrap III: Finalize State



Dashboard vận hành

1
View: Filter by Status



2
Action: Scan All for Triage

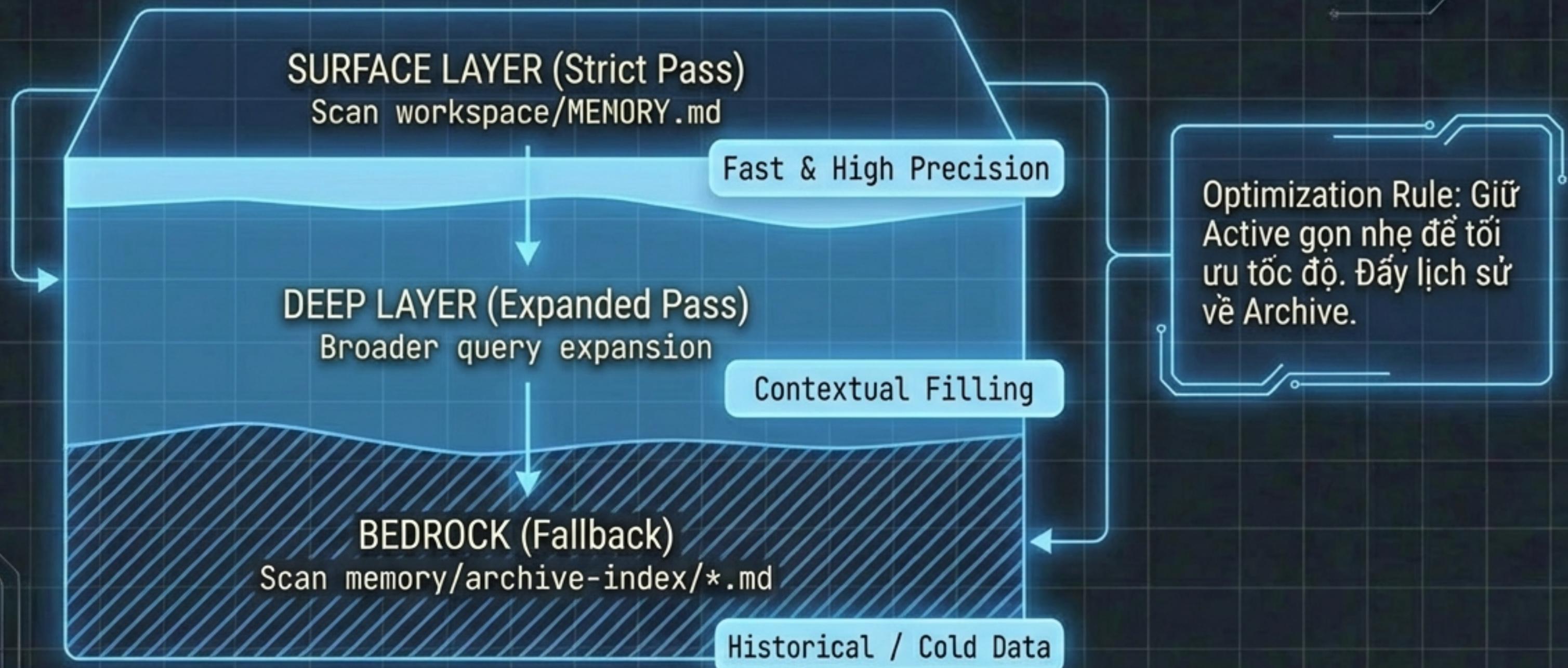
3
Resolve: Merge Conflicts Visually

Chiến lược tự động hóa (Cron)



```
> pnpm openclaw cron list
```

Cơ chế Search & Truy hồi



Quy trình vận hành (SOPs)



DAILY ROUTINE (Hằng ngày)

1. Morning: Open Dashboard -> Handle Pending Items.
2. Resolve Merge Conflicts if any.
3. Evening: Verify Job Success (Capture/Triage/Audit).



WEEKLY ROUTINE (Hằng tuần)

1. Verify Prune jobs execution (Monday).
2. Review Archive Index updates.
3. Check MEMORY.md file size (Prevent bloating).

Xử lý sự cố (Troubleshooting)



Missing API Key

Check Env vars or
openlaw.json configuration.



Audit Conflict (Exit 2)

Use Dashboard to Merge or set
status to 'Pending'.



Dashboard Blocked

Port 3903 busy? Change port
via ENV variables.



Stale Runtime

Force full sync: pnpm
memory:status:init

Emergency Rollback

Quy trình khôi phục khi triển khai lỗi

1. STOP

Kill Dashboard and all Cron Jobs immediately. 

2. RESTORE

Revert **MEMORY.yml** from backup source.

3. RE-INIT

Run: `pnpm memory:status:init`

4. VERIFY

Run: `pnpm memory:audit` (Must return Exit Code 0) 

Lệnh vận hành nhanh

Command Cheat Sheet

```
# Bootstrap System  
pnpm memory:status:init
```

```
# Manual Operations  
pnpm memory:capture  
pnpm memory:inbox:triage  
pnpm memory:audit  
pnpm memory:render
```

```
# Capture now  
# Sort inbox  
# Health check  
# Force update
```

```
# Automation  
pnpm openclaw cron list
```

```
# Check schedule
```