# MOUSSAIF AGI OS — OMNIROUTE DYNAMIC FRONTIER COMBO ROUTING HISTORY & SPEC

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**Updated At:** 2026-07-27T22:04:00+01:00

**Canonical Reference:** C:/Users/mouss/OneDrive/Desktop/agentic references of moussaif agi os/agentic_threads_journal/MOUSSAIF_OMNIROUTE_ROUTING_HISTORY.md

**Runtime Resolver:** C:/Users/mouss/.hermes/scripts/omniroute_dynamic_frontier_resolver.py

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## 1. Architectural Upgrade: "Without Names" Dynamic Capability Routing

In accordance with user instructions, all **9 Core Omniroute Combos** have been upgraded from static hardcoded model lists to **Dynamic Capability-Based Resolution ("Without Names")**:

- **Zero Hardcoding Dependency**: Models are dynamically discovered and refreshed by inspecting active provider_connections and model_intelligence scores (>= 0.85 reasoning/coding ELO) in C:/Users/mouss/.omniroute/storage.sqlite.
- **Zero Free APIs**: Any free API model (:free, /free, openrouter free tiers) is strictly excluded from flagship agentic/reasoning combos.
- **Zero Local Offline Models**: Local models (ollama/*, lmstudio/*, .gguf) are strictly excluded from these frontier reasoning combos so requests are routed exclusively to top-tier flagship cloud endpoints.
- **100% High / Max / Ultra Reasoning Guarantee**: Only thinking, ultra-reasoning, and top-tier agentic flagship models are candidates (e.g., kimi-k3, claude-opus-5-high, anthropic/claude-opus-4, claude-opus-4-7-thinking, claude-opus-4-6-thinking, gpt-5.6-sol-xhigh, gpt-5.5-pro, gemini-3.1-pro-preview, nemotron-3-super-120b-a12b, deepseek-v4-pro).

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## 2. Updated Core Combos Registry

| Combo ID | Combo Display Name | Strategy | Capability Tier | Forbidden Models Excluded |

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| d8547347-ae31-402f-82ab-be64e6a3caf0 | moussaif-frontier | lkgp | 100% High Max Ultra Reasoning | ■ :free / ollama/* excluded |

| 0d58fc57-782c-4202-8e01-5973381fa70f | moussaif-agi-os | lkgp | 100% High Max Ultra Reasoning | ■ :free / ollama/* excluded |

| moussaif-routing | moussaif-routing | auto / lkgp | 100% High Max Ultra Reasoning | ■ :free / ollama/* excluded |

| moussaif-agentic-coding | moussaif-agentic-coding | lkgp | Top Agentic & Tool-Use Flagship | ■ :free / ollama/* excluded |

| top-reasoning-coding-agentic-frontier | Top Reasoning Coding Agentic Frontier | priority | Ultra Reasoning + Agentic Frontier | ■ :free / ollama/* excluded |

| fast-reasoning-coding | Fast Reasoning Coding | priority | Fast Reasoning + Coding Flagship | ■ :free / ollama/* excluded |

| top-coding | Top Coding | priority | Specialized Code Gen Flagship | ■ :free / ollama/* excluded |

| top-agentic | Top Agentic | priority | Autonomous Multi-Step Agentic | ■ :free / ollama/* excluded |

| top-frontier | Top Frontier | priority | Cross-Provider Frontier Flagships | ■ :free / ollama/* excluded |

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## 3. Dynamic Watchdog & Virtual Context Sharing

- **Real-Time Responsivity**: The dynamic resolver (~/.hermes/scripts/omniroute_dynamic_frontier_resolver.py) is embedded in dynamic_instant_os_sync_watchdog.py (*/1 * * * * cadence) and fires automatically whenever a new provider or key is added to Omniroute.
- **5-Kernel Virtual Context Sharing**: The updated model pool and health state are written to MOUSSAIF_FRONTIER_ROUTING_SHARED_CONTEXT.json and replicated across all 5 kernel environments:

1. K1-Hermes (C:/Users/mouss/.hermes/.moussaif_state_journal/)
2. K2-OpenCode (C:/Users/mouss/.opencode/.moussaif_state_journal/)
3. K3-Codex (C:/Users/mouss/.codex/.moussaif_state_journal/)
4. K4-Claude (C:/Users/mouss/.claude/.moussaif_state_journal/)
5. K5-Antigravity (C:/Users/mouss/.gemini/antigravity/.moussaif_state_journal/)