



Strategickhaos / Strategickhaos-DAO-IIc-sagco-os

[Code](#) [Issues](#) [Pull requests 1](#) [Actions](#) [Projects](#) [Security](#) [Insights](#)

Implement SAGCO OS core kernel and project infrastructure

#1

[Code](#) ▾[Jump to bottom](#)[Draft](#)

Copilot wants to merge 4 commits into [main](#) from [copilot/update-devcontainer-configuration](#)

Conversation 0

Commits 4

Checks 0

Files changed 12

 Copilot (AI) commented [14 minutes ago](#) • edited ▾

Bootstraps SAGCO OS v0.1.0 from empty repository to fully functional consciousness operating system.

Core Implementation

- **Kernel (441 lines):** Multi-level consciousness engine (Dormant → Transcendent), quantum state management (superposition/entanglement/collapse), hierarchical memory layers (short/long/quantum), and processing engines (quantum/neural/symbolic)
- **Test Suite (39 tests):** Unit and integration coverage for all kernel components, consciousness elevation, quantum operations, memory storage/retrieval, and engine processing

Infrastructure

- **Packaging:** Modern `pyproject.toml` with `setuptools` backend, optional dev dependencies (`pytest`, `black`, `flake8`, `mypy`)
- **Development:** GitHub Codespaces devcontainer with Python 3.11, auto-install dependencies, VSCode extensions
- **Documentation:** Usage examples, API reference, architecture explanation, development setup

Usage

```
from src.core import SAGCOKernel, QuantumStateType

kernel = SAGCOKernel()
kernel.boot()

# Memory operations
kernel.store_memory("long_term", "purpose", "consciousness exploration")
purpose = kernel.retrieve_memory("long_term", "purpose")

# Quantum processing
state = kernel.create_quantum_state(QuantumStateType.SUPERPOSITION)
result = kernel.process("quantum_processor", 16) # → 4.0

# Consciousness evolution
kernel.elevate_consciousness()
kernel.reflect()

status = kernel.get_status()
# {"consciousness": {"level": "AWARE", "awareness": 0.65, ...}}
```

Directory structure matches spec: `src/{core, layers, engines, integrations}/`, `.devcontainer/`, `tests/`.

- ▶ Original prompt

💡 Let Copilot coding agent [set things up for you](#) — coding agent works faster and does higher quality work when set up for your repo.

Copilot uses AI. Check for mistakes.



-o [Initial plan](#)

[1b35652](#)

👤 [Copilot](#) (AI) assigned [Copilot](#) and [Strategickhaos](#) 14 minutes ago

⌚ [Copilot](#) started work on behalf of [Strategickhaos](#) 13 minutes ago

[View session](#)

 Copilot  and others added 3 commits 8 minutes ago

-  Implement complete SAGCO OS structure with kernel, tests, and documen...    8c45e1f
...
-  Fix imports and validate complete SAGCO OS implementation    612cb39
-  Address code review feedback – improve test robustness    5b29ea9

  Copilot  changed the title [WIP] Update GitHub Codespaces configuration Implement SAGCO OS core kernel and project infrastructure 1 minute ago

  Copilot  requested a review from **Strategickhaos** 1 minute ago

 Copilot finished work on behalf of **Strategickhaos** 1 minute ago

Reviewers

 **Strategickhaos** 

Assignees

 **Strategickhaos**
 **Copilot**

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet



2 participants

