DEVELOPER TOOLS

LAKOU Developer Suite

Semantic graph validation/execution, canonical graph identity, schedule-equivalence execution, runtime/API surfaces and mutation verification

IP-4320 · Engineering software · CLI / local API

Function and architecture

• Semantic graph validation/execution, canonical graph identity, schedule-equivalence execution, runtime/API surfaces and mutation verification

• Separately packaged release

• No mandatory sibling-product runtime

Integration summary

LAKOU Developer Suite: Separately runnable semantic-graph developer and verification product implementing graph validation, canonical serialization/hash identity, deterministic reference execution, schedule variation, mutation testing, CLI and local HTTP API surfaces. Delivered as CLI / local API. Integrate the selected version at its documented input/output boundary; retain source and configuration identity with each result. The exact callable API, dependencies and runtime environment are supplied with the controlled release; this public description is not a substitute for that release contract.

Technical record

Canonical identity	IP-4320
Responsibility	Separately runnable semantic-graph developer and verification product implementing graph validation, canonical serialization/hash identity, deterministic reference execution, schedule variation, mutation testing, CLI and local HTTP API surfaces.
Delivery boundary	CLI / local API
Evidence scope	Engineering software
Engineering boundary	Separately runnable semantic-graph developer and verification product implementing graph validation, canonical serialization/hash identity, deterministic reference execution, schedule variation, mutation testing, CLI and local HTTP API surfaces.
Deployment	CLI / local API; 0.9.0
Operational scope	Software/reference-model evidence only; full production compiler, frozen ABI, OS ecosystem and hardware/silicon remain separate.

Delivery and release binding

- Versioned package and dependency lock
- Deployment environment and access controls
- Input/output schemas and integration examples
- Evaluation scope, support and update policy

Confirm for the selected release: Environment and dependencies, Version / build hash, API compatibility, License and support scope.

Evidence and qualification

3,000 semantic cases; 6,000 schedule-equivalence checks; 1,021/1,021 exercised mutants detected; core + advanced clean-room PASS

Software/reference-model evidence only; full production compiler, frozen ABI, OS ecosystem and hardware/silicon remain separate.

Canonical status: P2 / EXECUTABLE STANDALONE SOFTWARE RELEASE; PRODUCTION COMPILER/ABI/OS/HARDWARE ECOSYSTEM OPEN

Evaluation and licensing

Evaluation: Evaluate the named software release. Production: Team or enterprise deployment. Custom work: Workflow and API integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

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