DEVELOPER TOOLS

KONBIT Developer Suite

Cycle/performance model, profiler, replay-state digest and deterministic exhaustive autotuner for KONBIT-style workloads

IP-4324 · Engineering software · CLI / local API

Function and architecture

• Cycle/performance model, profiler, replay-state digest and deterministic exhaustive autotuner for KONBIT-style workloads

• Separately packaged release

• No mandatory sibling-product runtime

Integration summary

KONBIT Developer Suite: Separately runnable KONBIT development product implementing cycle/performance reference modeling, profiling, deterministic replay-state digest and exhaustive configuration autotuning with CLI and local 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-4324
Responsibility	Separately runnable KONBIT development product implementing cycle/performance reference modeling, profiling, deterministic replay-state digest and exhaustive configuration autotuning with CLI and local API surfaces.
Delivery boundary	CLI / local API
Evidence scope	Engineering software
Engineering boundary	Separately runnable KONBIT development product implementing cycle/performance reference modeling, profiling, deterministic replay-state digest and exhaustive configuration autotuning with CLI and local API surfaces.
Deployment	CLI / local API; 0.9.0
Operational scope	Cycle/performance values are model evidence, not measured silicon PPA or competitive benchmark superiority.

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

1,000-job stress workload; 384 autotune configurations; 50 randomized simulations; core + advanced clean-room PASS

Cycle/performance values are model evidence, not measured silicon PPA or competitive benchmark superiority.

Canonical status: P2 / EXECUTABLE MODEL/RUNTIME PRODUCT; MODEL PERFORMANCE DOES NOT ESTABLISH SILICON PPA OR COMPETITIVE BENCHMARKS

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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