OPTIMIZATION

UCS Solver

Deterministic binary-linear optimization runtime with an independently checkable solution certificate and native-core plugin boundary.

IP-4273 · Engineering software · Software / tooling

Function and architecture

• Deterministic binary-linear optimization runtime with an independently checkable solution certificate and native-core plugin boundary.

• Evaluation and enterprise licensing

• Controlled release and integration scope

Integration summary

UCS Solver: Deterministic binary-linear optimization runtime with an independently checkable solution certificate and native-core plugin boundary. Delivered as Software / tooling. 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-4273
Responsibility	Deterministic binary-linear optimization runtime with an independently checkable solution certificate and native-core plugin boundary.
Delivery boundary	Software / tooling
Evidence scope	Engineering software
Engineering boundary	Deterministic binary-linear optimization runtime with an independently checkable solution certificate and native-core plugin boundary.
Deployment	Software / tooling; 1.0
Operational scope	The commercial reference runtime is distinct from the separately developed native C++ solver corpus; benchmark claims are release-specific.

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

The controlled product-release layer includes executable reference surfaces and qualification records. Request the exact selected release bundle.

The commercial reference runtime is distinct from the separately developed native C++ solver corpus; benchmark claims are release-specific.

Canonical status: P2 / EXECUTABLE REFERENCE SOLVER; DOES NOT GENERALIZE NATIVE UCS PERFORMANCE CLAIMS

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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