OPTIMIZATION

DieWeaver

Multi-objective constrained placement of dies/tiles/chiplets/accelerators with capability, health, power, latency and failure-domain rules.

IP-4887 · Commercial software · CLI / SDK / API

Function and architecture

- Silicon Resource Compiler
- Independent installation
- CLI, Python SDK and server surfaces
- Tenant, entitlement and evidence controls

Integration summary

DieWeaver: Multi-objective constrained placement of dies/tiles/chiplets/accelerators with capability, health, power, latency and failure-domain rules. Delivered as CLI / SDK / API. Integrate the selected version at its documented input/output boundary; retain source and configuration identity with each result. Use the executable quickstart and bounded server adapter linked on this page.

Technical record

Canonical identity	IP-4887
Responsibility	Multi-objective constrained placement of dies/tiles/chiplets/accelerators with capability, health, power, latency and failure-domain rules.
Delivery boundary	CLI / SDK / API
Evidence scope	Commercial software
Engineering boundary	Multi-objective constrained placement of dies/tiles/chiplets/accelerators with capability, health, power, latency and failure-domain rules.
Deployment	CLI / SDK / API; 1.2.0
Operational scope	Customer-specific performance, economics and physical effects require customer data and validation. Optional PostgreSQL live integration was not executed in the recorded release.

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

Our records show product-specific tests within the 280-test commercial suite, 20,000 randomized cases and HTTP/ASGI/import/install campaigns. Source-bound external exercises are documented.

Customer-specific performance, economics and physical effects require customer data and validation. Optional PostgreSQL live integration was not executed in the recorded release.

Canonical status: P2 EXECUTABLE COMMERCIAL SOFTWARE / TEST SUITE + ADVANCED CAMPAIGN + HTTP/ASGI/IMPORT/INSTALL EVIDENCE; External machine/request shape + synthetic operational alternatives: combination-aware assignment avoided a greedy failure-domain dead end.

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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