LANGUAGES & COMPILERS

GSSL

Typed declarative semiconductor product-intent language with grammar, AST, units, constraints, objectives, provenance and compilation into platform requests.

IP-4421 · Architecture program · Specification language architecture

Function and architecture

- Typed declarative semiconductor product-intent language with grammar
- units
- constraints
- objectives
- provenance and compilation into platform requests

Integration summary

GSSL: Typed declarative semiconductor product-intent language with grammar, AST, units, constraints, objectives, provenance and compilation into platform requests. Delivered as Specification language architecture. 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-4421
Responsibility	Typed declarative semiconductor product-intent language with grammar, AST, units, constraints, objectives, provenance and compilation into platform requests.
Delivery boundary	Specification language architecture
Evidence scope	Architecture program
Engineering boundary	Typed declarative semiconductor product-intent language with grammar, AST, units, constraints, objectives, provenance and compilation into platform requests.
Deployment	Specification language architecture;
Operational scope	The named architecture and its implementation scope are not a blanket shipping-product, physical qualification or production-deployment claim. The exact release controls evaluation.

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

ENGINEERING BUILD SPEC / CANONICAL GSP MODULE IDENTITY. Production implementation, authoritative model binding, correlation, physical/lab/silicon evidence and external certification remain release-specific.

The named architecture and its implementation scope are not a blanket shipping-product, physical qualification or production-deployment claim. The exact release controls evaluation.

Canonical status: ENGINEERING BUILD SPEC / CANONICAL GSP MODULE IDENTITY. Production implementation, authoritative model binding, correlation, physical/lab/silicon evidence and external certification remain release-specific.

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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