LANGUAGES & COMPILERS

DJANM

Integrated v0.2 tree combining advanced generics/traits/effects/ownership/security, native allocator runtime, self-host kernel, ABI/1, direct LLVM/WASM/SOG/GPU backends, expanded stdlib, LSP and instrumentation/fuzzing.

IP-4319 · Advanced toolchain · Compiler + runtime

Function and architecture

- Integrated v0.2 tree combining advanced generics/traits/effects/ownership/security
- native allocator runtime
- self-host kernel
- ABI/1
- direct LLVM/WASM/SOG/GPU backends
- expanded stdlib
- LSP and instrumentation/fuzzing

Integration summary

DJANM: Integrated v0.2 tree combining advanced generics/traits/effects/ownership/security, native allocator runtime, self-host kernel, ABI/1, direct LLVM/WASM/SOG/GPU backends, expanded stdlib, LSP and instrumentation/fuzzing. Delivered as Compiler + runtime. 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-4319
Responsibility	Integrated v0.2 tree combining advanced generics/traits/effects/ownership/security, native allocator runtime, self-host kernel, ABI/1, direct LLVM/WASM/SOG/GPU backends, expanded stdlib, LSP and instrumentation/fuzzing.
Delivery boundary	Compiler + runtime
Evidence scope	Advanced toolchain
Engineering boundary	Integrated v0.2 tree combining advanced generics/traits/effects/ownership/security, native allocator runtime, self-host kernel, ABI/1, direct LLVM/WASM/SOG/GPU backends, expanded stdlib, LSP and instrumentation/fuzzing.
Deployment	Compiler + runtime; 0.2
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

P1-P2 / LOCALLY QUALIFIED ADVANCED BUILD; FINAL CLEAN-ROOM V0.2 RELEASE FREEZE, FULL PYTHON ELIMINATION AND EXTERNAL QUALIFICATION OPEN

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: P1-P2 / LOCALLY QUALIFIED ADVANCED BUILD; FINAL CLEAN-ROOM V0.2 RELEASE FREEZE, FULL PYTHON ELIMINATION AND EXTERNAL QUALIFICATION 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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