CONNECTIVITY

LinkVerse Router

Multi-hop constrained graph routing with heterogeneous physical-link profiles and edge-disjoint backup planning.

IP-4895 · Commercial software · CLI / SDK / API

Function and architecture

- Cross-Medium Routing Compiler
- Independent installation
- CLI, Python SDK and server surfaces
- Tenant, entitlement and evidence controls

Integration summary

LinkVerse Router: Multi-hop constrained graph routing with heterogeneous physical-link profiles and edge-disjoint backup planning. Delivered as CLI / SDK / 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-4895
Responsibility	Multi-hop constrained graph routing with heterogeneous physical-link profiles and edge-disjoint backup planning.
Delivery boundary	CLI / SDK / API
Evidence scope	Commercial software
Engineering boundary	Multi-hop constrained graph routing with heterogeneous physical-link profiles and edge-disjoint backup planning.
Deployment	CLI / SDK / API; 1.2.1
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.

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Canonical status: P2 EXECUTABLE COMMERCIAL SOFTWARE / TEST SUITE + ADVANCED CAMPAIGN + HTTP/ASGI/IMPORT/INSTALL EVIDENCE; Real Abilene topology + synthetic link metrics: primary + edge-disjoint backup; external testing found and fixed equal-cost multipath defect.

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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