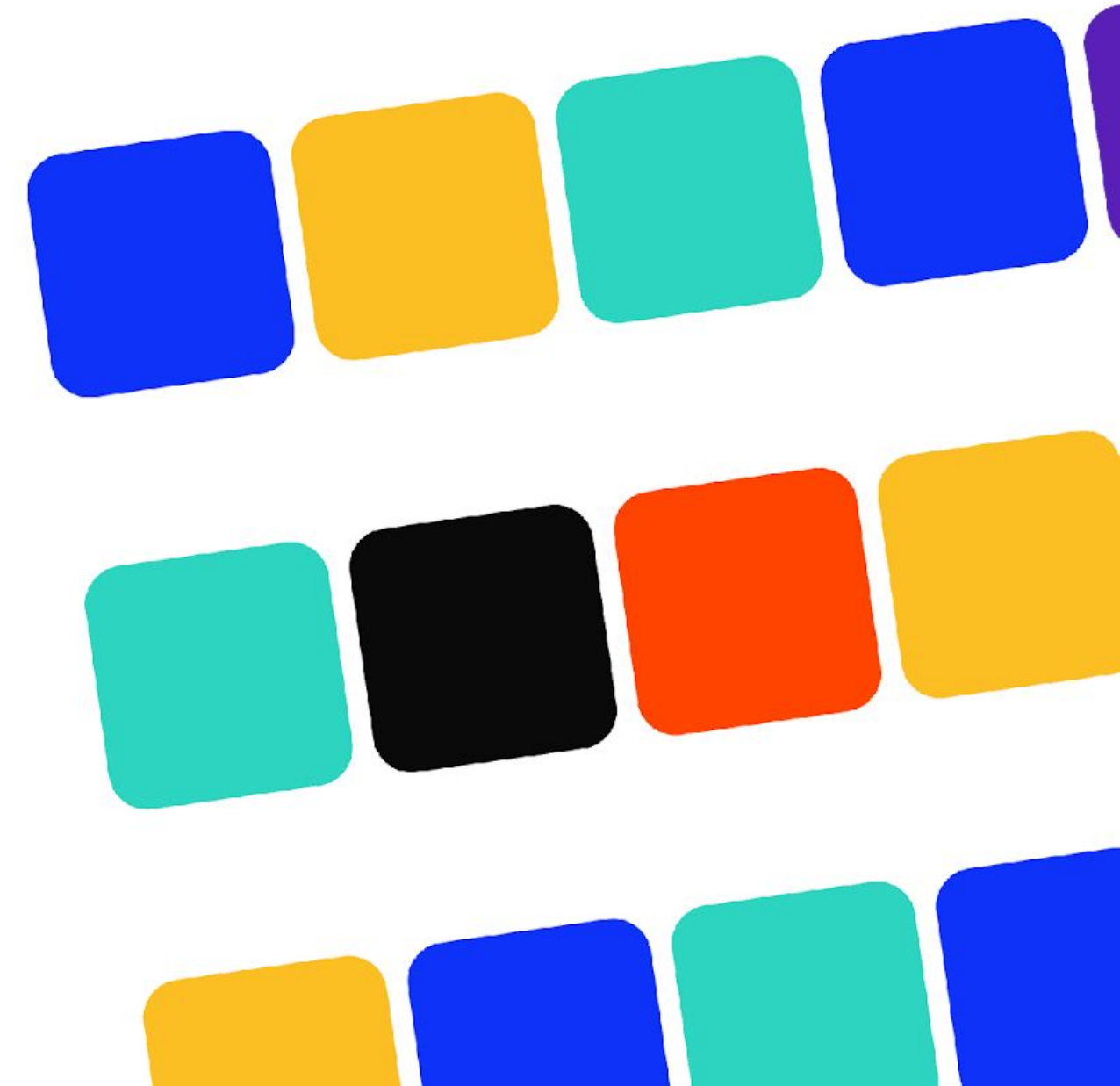


— INTRODUCING

LDK Server

Open-source Lightning infrastructure — from mobile wallets to enterprise LSPs.



What is **Lightning Dev Kit**?



Rust Library

Build your own Lightning node with full control over every component and behaviour.



Fully Customizable

Every interface is pluggable — bring your own storage, networking, signer, and chain source.



Lightweight & Fast

Designed for high performance — runs on mobile, server, and even in the browser.

LDK is packed with advanced features.

Splicing

BOLT 12

Zero-fee commitments

Async payments

LSP client + server

Mobile-first

ldk-node

Web support

→ Purpose-built features for end-user clients

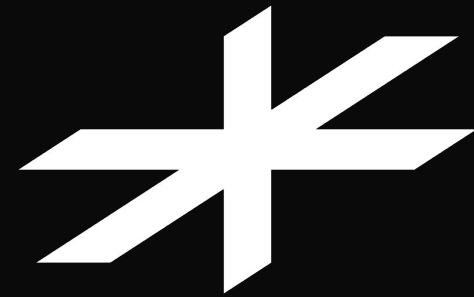
→ Runs anywhere — mobile, server, web

→ Full LSP client and server feature set

→ ldk-node for simplified API + sane defaults

⚡ LDK SERVER

— ADOPTION



Behind some of Lightning's
busiest nodes — and **growing**

Trusted by wallets, exchanges, and services across the Lightning ecosystem.

How do I actually *use* LDK?

OPTION A

LDK Node

Pre-built node, minimal setup. Best for standard Lightning use cases.

or

OPTION B

LDK + AI Agents

Build directly on LDK with an AI coding assistant. Best for custom behavior.

Out-of-the-box solutions have **real limits.**

Packaged Lightning implementations exist — but none that fully unlock what LDK can do.

01

Performance
issues at scale

02

Missing advanced
protocol features

03

Built only for
end-user clients,
not operators

04

Not customizable
for enterprise use
cases

05

LSP solutions are
all proprietary

⚡ LDK SERVER

— INTRODUCING

LDK Server

All the power of LDK — packaged as a deployable server with a clean API, enterprise features, and built-in LSP support.

Open Source

Rust-powered

Self-hosted

LSP-compliant

gRPC API

Everything LDK, ready to deploy.



Full Protocol Support

Splicing, BOLT 12, Zero-fee commitments, Async Payments — all included.



Extensible for Any User

From end users without a Bitcoin node, all the way up to enterprise LSP operators.



Familiar Deployment

Docker support and the same ops workflows you already know. No exotic setup.



Privacy First

Tor support built in — for the cypherpunks.



Easy CLI

A clean command-line interface for managing your node without writing code.



gRPC API + Events

Integrate with any system via a strongly-typed API and real-time event streams.

⚡ LDK SERVER

— LSP SUPPORT

Anyone can be an **LSP**.

- ✓ Fully LSP Spec compliant
- ✓ Just-in-Time channel support
- ✓ Configure and go — no complex setup

SCALES WITH
YOU

Solo operator → **Community LSP** → **Enterprise LSP**

Enterprise ready.



Postgres Support

Production-grade persistence with battle-tested PostgreSQL.



Docker Support

Container-native deployment with workflows your team already knows.



Prometheus Metrics

Standard observability — plug into your existing monitoring stack.



High Performance

LDK's Rust core stays lightweight and fast under heavy load.

Mobile features — now on the **server**.

LDK was designed for constrained environments. Every efficiency baked in for mobile wallets translates directly to lean, cost-effective server deployments.

01 Full node not required — use Electrum or Esplora

02 Rapid gossip sync support

03 Import routing data from your LSP

04 JIT channel support as an LSP client

⚡ LDK SERVER

— COMING SOON

Upcoming integrations.

AI / AGENTS

MCP Server

Expose LDK Server to AI agents and LLM toolchains via the Model Context Protocol.

SKILLS

ldk-server Skill

A native skill layer letting agents interact with the Lightning Network directly.

⚡ LDK SERVER

— PREVIEW

Ready *today.*

LDK Server is in preview. Try it out, break things, and tell us what you need.

[Preview available now](#)

[Feedback welcome](#)

Links.

- **LDK Server** `github.com/lightningdevkit/ldk-server` [↗](#)
- **ldk-node** `github.com/lightningdevkit/ldk-node` [↗](#)
- **rust-lightning** `github.com/lightningdevkit/rust-lightning` [↗](#)

FIND ME

@benthecarman

on everything

SLIDES

Link in the tweet.