

HyperNova

Relay token swaps without the usual risks of cross-chain bridges, multisig arrangements, or third-party escrow.

IN A NUTSHELL

Supra dVRF generates randomness with lightning-fast response times for a seamless experience—ideal for gaming, chance events, lotteries and NFT crafting.

USE CASES

Asset Portability

Move tokens from one chain to another, allowing users to utilize their holdings on different platforms.

Liquidity Provision

Engage in yield farming or liquidity mining across multiple ecosystems.

Decentralized Governance

New governance models can now span multiple blockchains, fostering new levels of collaboration and expressions of digital sovereignty.

Efficient Resource Outlays

Offload transactions to chains with lower fees and faster confirmation times.

KEY BENEFITS

Digital Asset Mobility

Securely move assets across ecosystems without being limited by centralized, cumbersome, or otherwise insecure bridges.

Maintain L1 Security Assumptions

Relay nodes simply report the events recorded on one blockchain to another without adding additional security risks.

Supplemental Validation

The relayed events are recorded on-chain by leveraging the Supra blockchain.

PROBLEM IT SOLVES

Consolidate Arduous & Risky Swaps

Enjoy a seamless user experience without the extra steps and the headaches of centralized bridges with questionable security assumptions and increased latency.

Eliminate Single Points of Failure

Maintain L1 security guarantees of both chains without introducing additional security risks by simply relaying events rather than forming another round of consensus.

Reduce Friction to Drive Value

The use cases for Web3 get more exciting as we eliminate its pain points, beef up security, and scale towards an interoperable, multi-chain world.

OUR VISION

Empower Users

Users choose where to hold and deploy their assets, offering a streamlined and more user-centric experience.

Diminish Barriers to Entry

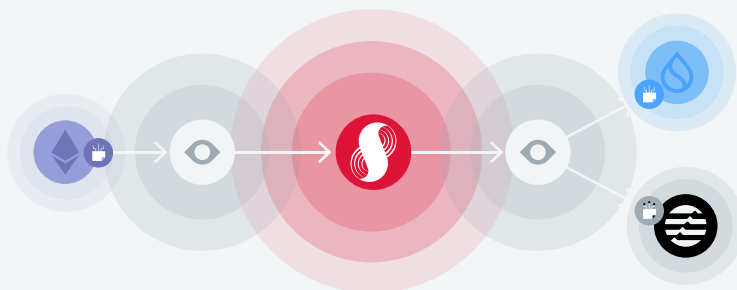
Eliminate barriers for power users and developers wanting to participate in different ecosystems, but are limited by the arduous and often risky process of bridging assets in the status quo.

Supercharge Adoption

Leveraging crypto assets across various blockchains increases the overall efficiency and utility of the DeFi ecosystem and benefits stakeholders of all kinds.

HOW IT WORKS

HyperNova verifies events of a source blockchain by observing its L1 consensus, and simply relays those events to a destination chain. In the process, Supra's validators verify the validity of these events explicitly with publicly verifiable on-chain proofs.



HyperNova relay nodes therefore successfully leverage the source chain's L1 security guarantees, with an additional validation being processed on the Supra chain. This contrasts starkly with the usual multisig escrow protocols for bridges which become honeypots for attackers, tempt nodes to collude if they possess asymmetrical knowledge apart from end users, among other risks.

WHO IS IT FOR

DeFi Developers

Enrich the user experience of decentralized money markets, NFT marketplaces, governance platforms, and beyond.

Yield Farmers

By consolidating the process, traders can better leverage opportunities across different smart contract ecosystems.

Liquidity Providers

For LPs operating in different ecosystems looking to consolidate their on-chain activity and minimize risks during portfolio rebalancing.

ADDITIONAL NOTES & RESOURCES

Read litepaper [→](#)

View whitepaper [→](#)