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Solana Introduction

About Solana

What is Solana?

Solana is an open source project implementing a new, high-performance, permissionless blockchain.

It is possible for a centralized database to process 710,000 transactions per second on a standard gigabit network if the transactions are, on average, no more than 176 bytes. . In Solana, we use a far more granular verifiable delay function, a SHA 256 hash chain, to checkpoint the ledger and coordinate consensus. With it, we implement **Optimistic Concurrency Control** and are now well en route towards that theoretical limit of 710,000 transactions per second.