

Overview

Get an overview of the capabilities associated with an OP Stack chain.

While the OP Stack allows for full customization, chains in the Superchain adhere to [a standard set of technical and governance parameters](#), facilitating Superchain interoperability, network security, and ease of upgrading your chain.

Technical stack

Feature Superchain OP Stack Parent chain Ethereum Any L1, any L2 Throughput1 22Mgas/s 50Mgas/s Gas limit2 200M 200M Blocktimes3 250ms 250ms Data availability support Ethereum Ethereum, Celestia, EigenDA Gas token support4 ETH ETH Upgrades Facilitated via OP Governance Self-managed EVM compatibility Equivalent Variable 1 Data for Superchain from [Base\(opens in a new tab\)](#). Data for OP Stack from [ppBNB\(opens in a new tab\)](#).

2 The standard blockspace charter has a max gas limit of [200m\(opens in a new tab\)](#). Both gas limit and gas target can be configured through the system config.

3 While protocol blocktimes can be lowered to 1 second, subsecond blocktimes can be achieved using [Rollup Boost and Flashblocks\(opens in a new tab\)](#).

4 Although ETH is the gas token, chain operators can achieve the same UX of a custom gas token by using an ERC-20 paymaster.