Account Abstraction

[ERC-4337(opens in a new tab)](#) , also known as Account Abstraction, enables more opportunities for dapps and wallet developers to innovate on user experiences, including the ability to:

- Batch transactions together (e.g. approve and execute a swap in one go)
- Offer wallets with easy recovery and no seed phrase
- Sponsor the gas fees for transactions
- Enable users to pay gas in the token(s) of their choice

Superchain paymaster

The Superchain paymaster is an ERC-4337 verifying paymaster that sponsors transactions for smart accounts on the Superchain. Use the Superchain Paymaster to get your transactions sponsored to remove friction from your dapp experience.[View the implementation guide and tutorials here.(opens in a new tab)](#)

Account Abstraction Tools

Ready to enable account abstraction experiences in your dapp? Here's some helpful information on account abstraction infrastructure like ERC-4337 bundler and gas manager APIs that are available on OP Mainnet:

- [GroupOS(opens in a new tab)](#)
- [Alchemy(opens in a new tab)](#)
- [Biconomy(opens in a new tab)](#)
- [CyberConnect(opens in a new tab)](#)
- [Pimlico(opens in a new tab)](#)
- [Stackup(opens in a new tab)](#)
- [Openfort(opens in a new tab)](#)

Helpful Tips

- [EIP-1271 Signature Validation(opens in a new tab)](#)
- [Making smart accounts work with WalletConnect v2(opens in a new tab)](#)

[Block Explorers](#) [Analytics](#)