

is a weekly collection of papers, articles and resources related to MEV. The intention of this letter is to provide a comprehensive summary of the latest research, discussions, and developments in the space, with links for further reading.

See our [Transparency Reports](#) for deeper dives into updates related to Flashbots.

Papers & Articles

- [Flashbots Transparency Report: SUAVE Centauri, MEV-Share CTF, PBS Guild & EthCC](#) by [Fred](#) provides an update on the research and developments from Flashbots over the past two months.
- [New trends in decentralized exchange applications; exploring the design space](#) by [Sergio Yuhjtman](#) introduces the concept of an “Integral DEX”; enabling permissionless fillers to batch multiple trade orders and AMM swaps into a single transaction to reduce costs and mitigate MEV.
- [Powerful Intents: Part 1](#) by [Brink](#) explores the future of intent-based architectures by delving into conditional-, continuous- and multi-step intents, as well as mapping relationships across

intents with intent graphs.

- [Blobspace 101](#) by [Dom](#) provides a detailed introduction to EIP-4844, the concept of blobspace, data availability sampling, and how things will evolve further with full

danksharding.

- [TEE Rollups: Fixing Access Patterns in TEE-based Smart Contracts with Off-chain Computing](#) by [Nerla Jean-Louis](#) and [Yunqi Li](#) dives into [tee-offchain](#), the TEE-project which won the First Place of the [2023 IC3 Blockchain Camp Hackathon](#).

Posts & threads

- [Data Transparency Working Group - kickoff](#) by [SajZ](#) introduce a working group dedicated to improving the transparency and API-standardization in the MEV supply chain, with a focus on OFAs and block builders.
- [Tweet-thread](#) by [SajZ](#)
- [Tweet-thread](#) by [SajZ](#)
- [Introducing: eth2-package - get a private testnet with native support for mev-boost infra](#) by [Derek Lee](#) announces [eth2-package](#) – a way to deploy private Ethereum testnets with MEV Boost infrastructure and support for all major EL- and CL clients.
- [Fees and CoW bonding for MEVBlocker](#) is a proposal to have block builders pay a fee and convert part of their profit to CoW tokens in order to receive orderflow from [MEVBlocker](#).
- [Video walkthrough](#) by [Patrick Collins](#)
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- [Robert Miller](#) published [a thread](#) on how searchers are extracting MEV on friends.tech by watching for new accounts and spamming the sequencer to backrun.
- [Reply](#) by [duoxehyon](#) detailing their strategy.
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- [Patrick Collins](#) published [a thread](#) on how users can utilize Flashbots Protect to not get frontrun in the public mempool.

Talks & Discussions

- [MEV-Boost Community Call #5](#) hosted by [Alex Stokes](#) discussed the Deneb/Cancun upgrade, optimistic relay, PBS emulation, the PBS Guild proposal, and more.
- [Forum thread](#) by [stokes](#) with agenda and details
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- [How CoWs Will Save DeFi Swaps](#) by [0xResearch](#) invited [Felix Leupold](#) to explore how CoWSwap enables gasless transactions and protects users from MEV through batch auctions, solvers and unified token prices within blocks.
- [Intent-based Nitro Hackerhouse](#) hosted by [SevenX Ventures](#) at SBC is week-long hackerhouse with presentations and discussions related to MEV, ZK and account abstraction.

Other

- [Transaction Boost](#) by [Blocknative](#) is a RPC that users can connect to in order to send private transactions to multiple RPCs and OFAs simultaneously, and monitor their transaction status.
- [Tweet-thread](#) by [Blocknative](#)
- [Tweet-thread](#) by [Blocknative](#)
- [Searcher.pics](#) by [winnster](#) is a dashboard that visualize searcher-builder relationships in MEV-Boost.
- [Friend.Tech Analysis \(MEV, Volume, Revenue, Impact on BASE\)](#) presents analytics on the activity on friend.tech, including the number of bots sniping new profiles and the MEV extracted.
- [Tweet-thread](#) by [Tom Wan](#)
- [Tweet-thread](#) by [Tom Wan](#)
- [friend.tech mempool sniper bot](#) by [cheb](#) and [Rage](#) is a mempool sniper for friend.tech that utilized the [mempool leak](#) of Base to listen to ETH transfers and cross-referencing this to the number of followers.
- [Tweet-thread](#) by [cheb \(online\)](#)
- [Tweet-thread](#) by [cheb \(online\)](#)
- [Univ2-Tri-Arb](#) by [duoxehyon](#) is a triangular arbitrage bot for Uniswap v2, providing a general framework for DEX triangular arbitrage.
- [first.lol](#) is an experimental MEV-game on [Zora](#) where users compete to claim blocks, the address with the most claimed blocks after the event ends will receive a prize of 9.99ETH.
- [Web3-data-tools](#) by [Andres Babino](#) is a library that provides a web3 wrapper to handle multiple RPCs as well as a way to map timestamps with block numbers.

Upcoming events

- Aug 31: [MEV-SBC workshop](#) aims to highlight important MEV research done in the past year and talks that will illuminate a new round of research problems the community should prioritize.

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