

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.

Papers & Articles

- [2 Million Protect Users](#) by [@shea](#) reviews the three-year history of [Flashbots Protect](#), providing over 2 million accounts with enhanced privacy, reduced gas costs, and MEV refunds.
- [Thread](#) by [@shea](#)
- [Thread](#) by [@shea](#)
- [Setting Your Pet Rock Free](#) by [Ropirito](#), [@sxysun](#), [@socrates1024](#), [karan4d](#), [Roshan](#), and [dillonrolnick](#) details the technical implementation of [TEE_HEE](#), a fully autonomous AI agent with exclusive control over its Twitter and Ethereum accounts, made possible by TEEs.
- [Post](#) by [@sxysun](#)
- [Post](#) by [karan4d](#)
- [Thread](#) by [Gideon](#)
- [Post](#) by [@sxysun](#)
- [Post](#) by [karan4d](#)
- [Thread](#) by [Gideon](#)
- [We Know the Truth of AI Agent](#) by [Phala Network](#) details the role of TEEs and remote attestation in securing autonomous AI agents like [TEE_HEE](#).
- [Thread](#) by [Phala Network](#)
- [Thread](#) by [Phala Network](#)
- [Technical Analysis of Tee Hee: A TEE-based Autonomous AI Agent](#) by [Johnson Lai](#) analyzes the technical architecture of [TEE_HEE](#) to autonomously manage Twitter and Ethereum accounts without human interference.
- [Post](#) by [Johnson Lai](#)
- [Post](#) by [Johnson Lai](#)
- [RediSwap: MEV Redistribution Mechanism for CFMMs](#) by [Mengqian Zhang](#), [Sen Yang](#), and [Fan Zhang](#) presents RediSwap as an AMM designed to capture MEV and redistribute it fairly among users and LPs.
- [Thread](#) by [Mengqian Zhang](#)
- [Thread](#) by [Mengqian Zhang](#)
- [The Policy and Legal Implications of Inclusion Lists](#) by [Proof of Stake Alliance](#) reviews the policy and legal implications of inclusion lists and how they might affect Ethereum's neutrality and regulatory compliance.
- [Post](#) by [Proof of Stake Alliance](#)
- [Thread](#) by [Predicate](#)
- [Post](#) by [Proof of Stake Alliance](#)
- [Thread](#) by [Predicate](#)
- [Possible futures of the Ethereum protocol, part 5: The Purge](#) by [Vitalik Buterin](#) describes Ethereum's roadmap for "The Purge," a set of initiatives aimed at minimizing storage requirements and protocol complexity to ensure long-term efficiency and stability.
- [Possible futures of the Ethereum protocol, part 6: The Splurge](#) by [Vitalik Buterin](#) details Ethereum's "Splurge" roadmap and ways to improve the EVM, account abstraction, EIP-1559, and more.
- [Based Rollup Economics](#) by [Taiko Labs](#) analyzes the economics of based rollups, with a focus on [Taiko](#)'s approach to sequencing and MEV distribution.

- [Mainnet is live](#) by [Josh Bowen](#) announces the launch of [Astria](#)'s mainnet alpha, designed to support rollups with shared, permissionless sequencing.
- [Thread](#) by [Astria](#)
- [Thread](#) by [itamar](#)
- [Thread](#) by [Astria](#)
- [Thread](#) by [itamar](#)

Posts & Threads

- [@metachris](#) published a [post](#) to announce that [Flashbots](#)' [geth-based block builder](#) has been deprecated as efforts are now directed towards [rbuilder](#).
- [@stephen](#) continued the [series of threads](#) exploring successful searcher strategies:
- [Day 16: A bad day for a Univ3 LP](#)
- [Day 17: A how-to guide on the tools used](#)
- [Day 18: Banana Gun and Titan](#)
- [Day 19: CEX-DEX arb missing out on refunds](#)
- [Day 16: A bad day for a Univ3 LP](#)
- [Day 17: A how-to guide on the tools used](#)
- [Day 18: Banana Gun and Titan](#)
- [Day 19: CEX-DEX arb missing out on refunds](#)
- [Albicores](#) published a [thread](#) to highlight some of the recent work by [@socrates1024](#) and [@sxysun](#) like [Dstack](#), [Teleport](#), and [Bobu's Magic Show](#).
- [PBS Foundation](#) published a [thread](#) to share a curated list of resources related to inclusion lists.
- [Suhail Kakar](#) published a [post](#) to summarize [Vitalik Buterin](#)'s recent posts covering Ethereum's roadmap.

Talks & Discussions

- [Infinite Jungle: The Most Pressing Challenges to Solving the MEV Problem](#) invites [@bert](#) and [Lily Johnson](#) to dive into the details of [Rollup-Boost](#) and [EIP-7727](#).
- [Notes](#) by [Gideon](#)
- [Notes](#) by [Gideon](#)
- [Who Wins Ethereum Block Building Auctions and Why?](#) by [@boz1](#) summarizes findings from [the paper](#) by [@boz1](#), [@sui414](#), [Thomas Thiery](#), and [Florian Matthes](#).
- [Enhancing Ethereum's Decentralization and Security with MEV BooTEE](#) by [Oana Barbu](#) presents an integrated builder-relayer design that utilizes a TEE to construct blocks comprising a builder's ToB (Top of Block) and a proposer's RoB (Rest of Block).
- [Is synchronous composability overrated?](#) with [Vitalik Buterin](#), [protolambda](#), [Brecht Devos](#), and [Ben Fisch](#) discuss the benefits and trade-offs of synchronous composability between rollups.
- [ETHStaker: Community Call #46: Commit-boost](#) invites [Drew Van der Werff](#) and [Kubi Mensah](#) for a presentation and Q&A on [Commit-Boost](#).
- [EIP-7732 breakout room #12](#) invites [Francesco](#) for a presentation on their [ePBS/DAS/FOCIL all-in](#)-design.
- [Notes](#) by [Terence Tsao](#)
- [Notes](#) by [Terence Tsao](#)

Other

- [Golden source of TEE collateral](#) by [@mateusz](#) describes the importance of establishing a unified, onchain collateral management system for TDX - TCBInfos, PCS, and the like.
- [Key Management Protocol For Decentralized Root-of-Trust](#) by [Shunfan Zhou](#) and [\[Hang Yin](#)

](<https://x.com/bgmshana>) outlines a key management protocol for Decentralized Root-of-Trust (DeRoT) to improve the security and resilience of TEEs.

- [Extending Blob Txs to FOCIL](#) by [Terence Tsao](#) details how [FOCIL](#) could be extended to support blob transactions, and the implications for the network.

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