

---

slug: mev-boost title: MEV-Boost -- Merge ready Flashbots Architecture authors: [thegostep] tags: [eth2,mev-boost] image: /img/transparency-january-1.jpeg hide\_table\_of\_contents: false forum\_link: https://collective.flashbots.net/t/mev-boost-merge-ready-flashbots-architecture/875

---

This document outlines the design for a marketplace for block construction (often referred to as block proposer / block builder separation or PBS) compatible with the upcoming Ethereum merge fork. This trust based solution closely resembles the [current Flashbots auction design](#) with modifications to enable solo staker participation without introducing changes to Ethereum consensus. This solution aims to bridge the gap to a [permissionless PBS design](#) which should be strongly considered for the cleanup fork in order to improve decentralization.

*Thank you to the Flashbots team, EF research team, client implementation teams, and staking service providers for the feedback and countless hours of discussion which went into this document.*

This post was originally posted to EthResearch, access the full post [here](#)