

Consensus

Understanding Monad's consensus requires understanding of a few key areas:

- [MonadBFT](#)
- : Monad's consensus mechanism for achieving agreement about an arbitrary payload under partially synchronous conditions while maintaining Byzantine fault tolerance.
- [Shared Mempool](#)
- : Defining a significant optimization to the consensus payload: referring to transactions by hash, and ensuring that transactions are propagated through the mempool ahead of time.
- [Deferred Execution](#)
- : Defining a significant optimization to the process of coming to consensus, which is moving execution out of the hot path of consensus.
- [Carriage Cost and Reserve Balance](#)
- : Defining a behavioral change to transaction pricing which is required to defend against spam given that consensus is done over a delayed view of execution.
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