

## ABSTRACT

A decentralized exchange (better known as a DEX) is a peer-to-peer marketplace where transactions occur directly between crypto traders. DEXs fulfill one of crypto's core possibilities: performing financial transactions that can't be done by banks, brokers, payment processors, or any other kind of intermediary. The most popular DEXs like Uniswap and Sushiswap utilize the Ethereum blockchain and are part of the growing suite of decentralized finance (DeFi) tools, which make a huge range of financial services available directly from a compatible crypto wallet. DEXs are booming. in the first quarter of 2021, \$217 billion in transactions flowed through decentralized exchanges.