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ETHEREUM. TECHNOLOGY

Ethereum Network Congestion Doubles Gas Fees as Game dApps Capture \$7.5M in 24 Hours



Sam Town

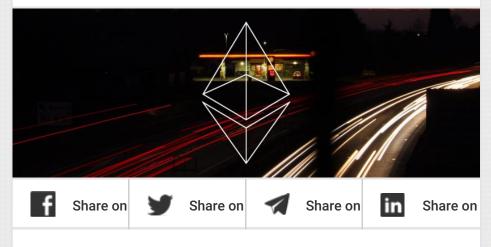
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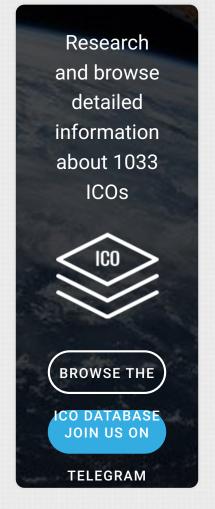
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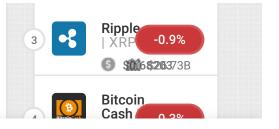
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The Ethereum distributed app ecosystem is currently





experiencing explosive growth, with Etherueum dApps capturing over \$7.5 million USD





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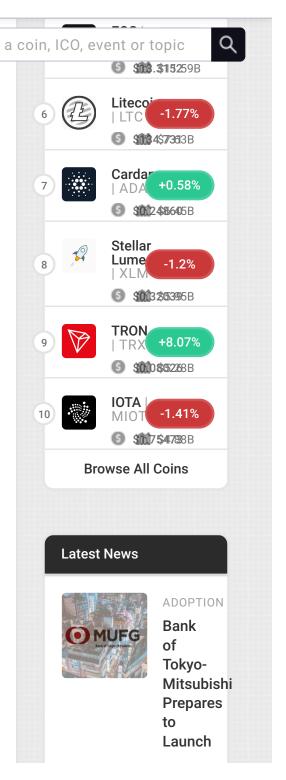
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applications and 11,000 use search for a coin, ICO, event or topic the last 24 hours. While increased use of the Ethereum blockchain is arguably a good thing, however, the surge in transaction throughput has caused congestion, doubling Search for a coin, ICO, event or topic ships. \$1525 the last 24 hours. While Litecoi 1.77 (and 1.17) the last 24 hours. While increased use of the Ethereum ships and 11,000 use search for a coin, ICO, event or topic ships a coin ships

According to distributed app tracking website Dapp Insight, more than 10,000 ETH has been transacted over Ethereumbased dApps over the last day, consuming more than 14 million GAS. The dramatic increase in dApp use mirrors the impact of CryptoKitties, an Ethereum-based dApp that caused significant ETH transaction delays in December 2017.



Ethereum Game dApps Slow

First Bank-Issued

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The dramatic rise in GAS fees is attributed to the viral popularity of a slew of games emerging from online forums. While not as damaging to Ethereum transaction throughput as CryptoKitties, these new dApps have amassed over 26,000 transactions in 24 hours, causing GAS costs to double in price to \$0.02.



? Shrimp

Producing ? eggs per hour

According to the website, Ether Shrimp Farm is the #1 shrimp farming simulator and idle game on the blockchain.

The spike in Ethereum dApp game interest has demonstrated the fragile nature of the Ethereum blockchain, illustrating the impact of a relatively small increase in transaction throughput on the capacity of the network. **Ether**





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ALTCOINS ANALYSIS

TRX Surges Shrimp Farm, one of the most popular games causing network congestion, places players in control of a virtual shrimp farm with the goal of optimizing shrimp production, ultimately trading eggs for ETH.

Ether Cartel takes a similar approach, providing players with the opportunity to manage a narcotic empire through an idle-clicking style format. While there are a number of serious Ethereum dApps that provide legitimate utility, such as document publishing dApp documentary, games are currently dominating the dAppRadar leaderboard — Ether Cartel currently ranks number one, clocking up over 11,000 transactions over the last week

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① 13 hours ago The whimsical use of the Ethereum blockchain to play games may be mildly amusing to some but many market participants are <u>unimpressed</u>, highlighting the fact that if the second largest cryptocurrency by market cap can be "destroyed by CryptoKitties and shrimp farms" then it probably isn't "ready for prime time."

Increased transaction volume does have a detrimental impact on GAS fees and transaction times, but has an overall positive effect on adoption as a whole —



ETHEREUM TECHNOLOGY

Ethereum Network Congestion Doubles Gas Fees as Game dApps Capture \$7.5M in 24

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ADOPTION BITCOIN

Alibaba Founder Bullish About Blockchain But Doesn't data available from BitInfoCharts demonstrates that the number of active addresses on the Ethereum network has exceeded inactive addresses for almost one week, approaching the previous best streak of 4 straight days in mid-January:

Is the Ethereum Blockchain Ready for Large-Scale Transaction Volume?

At this point in time, the Ethereum blockchain can handle roughly 13



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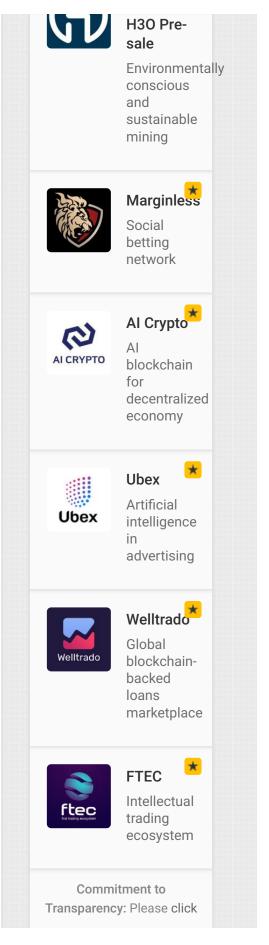
HydroMiner

transactions per second, which is halved for token transfers. As a result, it's not easy to create a distributed application on the Ethereum blockchain that can be used by an extremely large user base at the same time.

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The upcoming Ethereum <u>consensus</u>

<u>method change</u>, once implemented,
should ultimately see the sharding
scaling solution integrated, which could
potentially provide a solution to the



transaction throughput issue.

For now, however, innovative distributed app developers are creating workarounds in the form of DAppchains, which creates application-specific sidechains that run parallel to the Ethereum main chain.

The <u>Loom</u> project, which promises largescale blockchain-based apps and games, is a strong example of sidechain-based dApp innovation that could see Twitterscale dApps become feasible in the near future.

Over Photo by Jeff Neale on Unsplash

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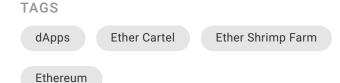
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nomad, and crypto enthusiast based out of Bangkok, Thailand. As an avid observer of the rapidly evolving blockchain ecosystem he specializes in the FinTech sector, and when not writing explores the technological landscape of Southeast Asia.

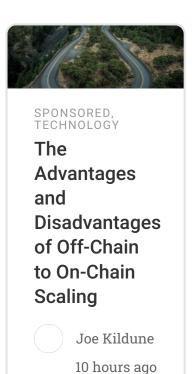
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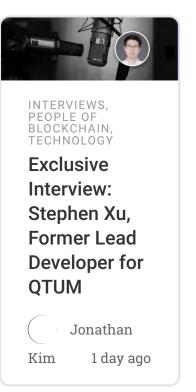
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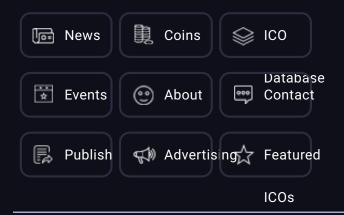


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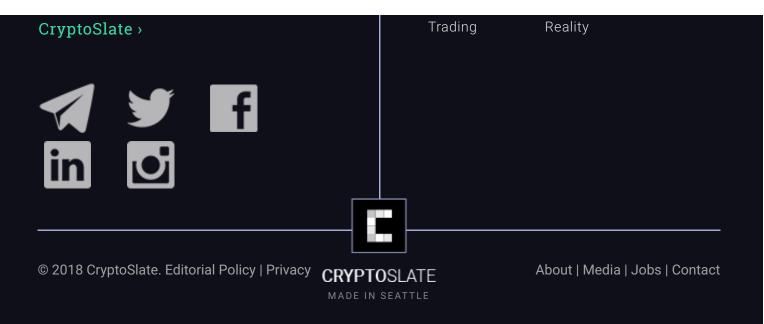
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