MONERO IS A SECURE, PRIVATE, UNTRACEABLE, AND FUNGIBLE DIGITAL CURRENCY – LEARN MORE

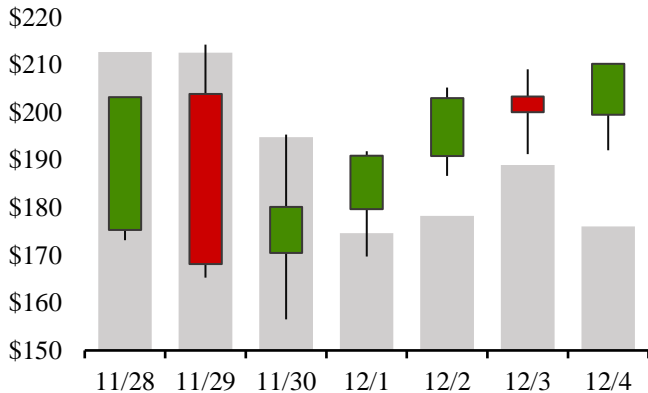## PERFORMANCE

XMR Market Cap: $3.245b
XMR Ranking: 10 (0)

	12/4	**1W**	**YTD**
XMR / BTC	0.0180	+1.9%	+26.0%
XMR / $	$210.24	+21.3%	+1,424.6%
BTC / $	$11,657.20	+18.7%	+1,109.7%
CAMCrypto30	$1,615.67	+14.4%	+1,515.7%

THE LATEST

• Congratulations to Monero for surpassing $3b in market cap and a price of over $200 per Monero! Both the development and price of Monero has grown a tremendous amount throughout 2017 (which was ~$188m in market cap and a price of ~$14 per Monero at the beginning of the year). While we can spend all day recapping 2017, I'm more excited about what's in store for the future of Monero. See below for a brief list of upcoming events that we all have to be excited for and will ensure the continued success and growth of Monero!

- Mobile Wallets (iOS + Android)
- Globee Secret Project
- Ledger Hardware Wallet Support
- Community Funded Hardware Wallet
- Bulletproof Implementation
- Multisig Support
- Sub-addresses
- Kovri Release
- Listing on More Exchanges (potential for USD pairs)

• In a Infowars interview, John McAfee claims that if Bitcoin does have a serious competitor, it will be Monero. McAfee noted that that dark web is where first Bitcoin got its use and that it is has currently chosen to use Monero due to its

anonymity and privacy features. He claims that what starts in the dark web will leak out into the world of light as he believes that all people would like to have anonymity and privacy in terms of their financial transactions.

• Monero Dev Meeting summary and logs for December 3rd are now available. The most exciting updates are that bulletproofs, which will reduce transactions by ~85% - 90% and therefore will also reduce fees, could be released in September. Additionally, MultiSig is expected to be including in the next release. See highlights below.

- The MRL (Monero Research Lab) has working Java test code for multi-output bulletproofs: i) Currently being ported to C++ (non-multi-output), ii) Research is ongoing for how fee structures are impacted (a large number of outputs could form a Denial of Service), iii) A Single output BulletProof(BP) is 704 bytes - and a 2 output is ~768 bytes. For comparison, single and double outputs in the current version of Monero are 6k and 12k, respectively, iv) In testing, most BulletProof transactions average about 2.2k, v) **BulletProofs may make the September 2018 fork**, vi) A testnet build might be ready within a week.

- A code freeze is scheduled for the end of this month (Dec 2017).

- Surae Noether is completing his review of Monero's MultiSig implementation.

- MultiSig is expected to be included in the freeze (so it will be in the next release): If you're interested in the development aspect or code review for MultiSig, *now* is the time to look.

-ZeroMQ(0MQ) is also expected to be in the next release. But at this point there are still some features missing.

- Research continues into switching Monero's Random Number Generator(RNG) to one of Bitcoin's.

• In what is to be an eye-opening case of "Should Have Used Monero", News.Bitcoin.com reported that three Kenyans face felony charges for selling bitcoin to a bank robber. The article highlights that "one of the fundamental aspects of money is that its origins are irrelevant for its use or value (Pecunia non olet), also called fungibility. Simply put, one shouldn't face charges if someone used ill-gotten funds to buy something from oneself. This principal is now under question in Kenya where three bitcoin traders have gotten into trouble with the law for unknowingly dealing with an alleged criminal." This wouldn't be an issue if the parties transacted with a cryptocurrency that is anonymous and fungible such as Monero.

• Surae posted his end of November update discussing all his latest updates, progress, and developments.

• Riccardo Spagni (fluffypony) appeared on Bitcoin Uncensored. Riccardo talks about the recent price pump, lessons learned from Monero and Ethereum. The ways and means of governance. The ethos of monero, and how monero is governed. What will a blockchain do under duress? Who are the valued members of the community? And how do leaders navigate difficult, unvote-able issues.

• @Fluffypony tweeted that Monero is planning on building out a MimbleWimble System, probably as a layer 2 / sidechain. MimbleWimble has the potential to become a privacy layer 2 solution for Monero to address potential scaling issues down the road.

• Coinpress.info discussed why Monero is better than Bitcoin and Bitcoin Cash as it highlights due to the war between Bitcoin and Bitcoin Cash being the center of all cryptocurrency market, many investors are moving their assets to a safer currency like Monero.

• @helloluis released his latest crypto poster featuring Monero, Litecoin, and Ethereum.

• Monero Cat web-comic episode #11 was released.

• Use The Bitcoin reported on the Monero Integration Project: making online payments with Monero easier and faster. "Accepting the Monero cryptocurrency on your store without a third party/middleman has never been more comfortable until now. SerHack, who is a famous developer and security researcher has made this development possible and easily accessible for those who intend collecting Monero payments on their website."

• Use The Bitcoin also discussed 5 ways to accept Monero payments on your website as individuals and public enterprises are now receiving Monero directly or via their website/shop for goods or services rendered. This has contributed to bringing Monero into the limelight and also positioning it in for mass adoption.

• u/dEBRUYNE_1 posted a Monero GUI 0.11.1.0 "Helium Hydra" Megathread – which includes download links, guide on how to get started, and guides to resolve common issues (missing a transaction / zero balance, freezing / buggy GUI, transaction stuck as pending, and GUI using all bandwidth).

• Monero Coffee Chat for December 2nd was posted. See below for a short summary of the discussion:

1. Workgroups and the resources they have to improve the Monero ecosystem
2. Monero translation efforts
3. Monero python module
4. Revuo Monero
5. Monero upcoming events and conferences

• XMrigCC 1.2.0 (XMRig with Command and Control Server, client daemon and Dashboard) was released.
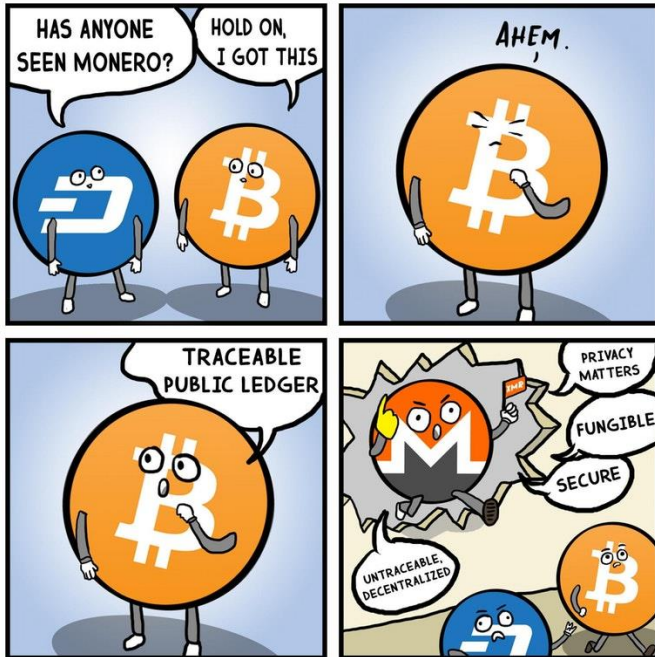
• u/Alex_LocalMonero informed the community that LocalMonero.com has been acquired by a competitor and the competitor is now using it to redirect all traffic to their own site.

• Monero.how is currently up for sale.

• Yahoo Finance now lists most cryptocurrency data on its website, including Monero.

• BTC Manager discussed that 500 million users are now targeted by Monero browser miners.

• u/RoyalMayonnaise posted a new crypto web comic.

• Monero Stack Exchange now has a guide if you're missing (not seeing) a transaction to (in) the GUI (zero balance).

• u/TheFuzzStone reported an update from the XMR.RU community. They kept busy translating Monero documents for the last two months into Russian.

• Check out u/CryptOmaha's discussion on fungibility & traceability and the community discussion that follows.

• Bitturk, a Turkish cryptocurrency exchange, has added Monero support.

• There will be a Monero Meetup in Madison, WI on December 9th. Justin Ehrenhofer "SamsungGalaxyPlayer" will be presenting at the meetup.

• There will be a Monero Meetup in Vienna, Austria on December 15th.

• Forum Funding System: Seeking funding

1) GUI Redesign (Funding complete!)
2) Coordinator for Localization Group + Various Maintenance (38.64% funded)
3) Monero Bounty for Hackerone (85.0% funded)
4) Monero Tracking Challenge #2 (50.85% funded)

• Top 5 r/Monero posts of the week

1) I created a crypto currency portfolio app without server-sided data saving and no registration!
2) US Senate Bill to Criminalize Concealed Ownership of Cryptocurrencies
3) Monero is now a top 2000 subreddit!

4) John Mcafee on Info Wars - "If Bitcoin does have a serious competitor, it will be Monero"
5) PSA: LocalMonero.com has been acquired by a competitor and the competitor is now using it to redirect all traffic to their own site. This is unethical and almost certainly illegal. We've attempted to rectify this situation peacefully but the competitor is refusing to cooperate. Details inside.

• Congratulations to r/Monero for becoming a top 2,000 subreddit!

• Hodl Monkey released a new Monero t-shirt Ft. Fluffy Pony.

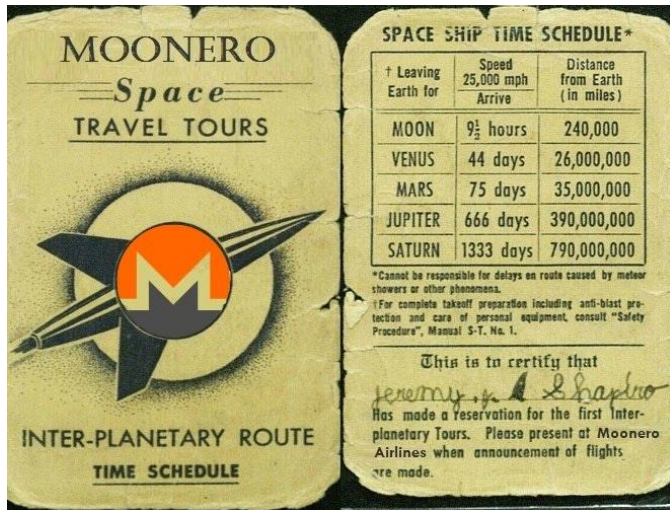• Crypto Cartel released a new privacy matters camouflage Monero hoodie.

• Game of Cryptos released a new t-shirt that features Monero. They also released a Merry Cryptos t-shirt that features Monero.

• BitcoinSexToys now accepts Monero! You may now send this as proof to your parents that Monero isn't only for criminals.

• Until next time, check out the Monero space travel tours schedule below, posted by u/xm-arghhh-pirate.

SIGN UP

ABOUT

Monero Observer is a free weekly news publication released every Tuesday, created in an effort to keep the Monero community up to date on all the latest news and developments related to Monero. We aim to achieve this by aggregating all the relevant information into one convenient location in an easy-to-digest format. We sift through the noise so you don't have to.

Monero Observer is proudly funded by the Monero Community! It is operated and maintained by monerooby_doo. Donations (XMR) are greatly appreciated: 48EVrzJVcyJAdCbFb5kdzKXpSY9UDq3mbfqufKFZryZqR61jf7Mt GXicrK7fNggeJAYCW12dq8qnMcHpSAmRFsDdT8dUADx

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