

Forum: [Hack Forums](#)

Thread: [Dynamic BTC/USD price in the Crypto Currency section](#)

Lante - January 11, 2017, 10:45 am

- Suggestion description:

A dynamic average price for BTC listed in the Crypto Currency forum section.

After brainstorming about the best positioning of this, I couldn't come up with anything else other than to list it as a stickied thread of which the title is updated using a public API generating the current average BTC price in USD. The lowest and highest price in the past 60min could be stored in a DB table and rewritten or pulled if the API supports it.

<https://bitcoinaverage.com/en/plans> offers a free plan of their API which allows for 5,000 requests per month, or 6.91 requests per hour.

There are also paid plans which offer substantially more requests to be pulled. 62.5 per hour or 1 each minute for \$12/mo or \$129.6/yr.

Maybe there are better and/or cheaper sources to pull the avg. BTC price from, I haven't researched it deeply enough if that's the case.

- This has been suggested once in the past:

<https://hackforums.net/showthread.php?tid=4283952>

Omniscient 06-17-2014: Sorry I don't plan on doing this at this time.

We are 2 and a half years later, and BTC is more popular than ever. That's why I thought to re-suggest this idea.

The price and price changes are often-discussed topics in the section, while I don't discourage the discussion of these changes in any way, I do find the suggestion a good addition to the discussions. There are always newcomers to the section, and every one uses their own 3rd party website chart to follow the price. This feature would allow for people to monitor the price on-site without a significant use of resources.

- Examples of BTC price discussions

SoulZeh - January 11, 2017, 11:03 am

Not gonna lie, It's a nice suggestion, however, people shouldn't be lazy and just click

<https://hackforums.net/btcv.php>

M?xim - January 11, 2017, 11:04 am

Actually quite a decent suggestion. It is creative.

TheVBScripiter - January 11, 2017, 11:11 am

Sounds like a good idea to me.

I rather google for the actual prices, but it will prevent a lot of LQ threads like "wow it dropped" and such in my opinion.

Lante - January 11, 2017, 11:13 am

(Jan 11, 2017 12:03 PM)SoulZeh Wrote: [\[CITE\]](#) Not gonna lie, It's a nice suggestion, however, people shouldn't be lazy and just click <https://hackforums.net/btcv.php>

That came to my attention as I was writing my suggestion, however:

- That custom page is only available to upgraded members
- It is a custom page showing static data that is pulled only when the page is loaded

My suggestion is about a dynamic price in the Crypto Currency section itself.

SoulZeh - January 11, 2017, 11:14 am

(Jan 11, 2017 12:13 PM)Lante Wrote: [\[CITE\]](#) That came to my attention as I was writing my suggestion, however:

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Well, I'm not hating on your idea at all, believe me it's a cool sounding idea.. But, that would be giving an upgraded feature to non upgraded members?

Lante - January 11, 2017, 11:17 am

(Jan 11, 2017 12:14 PM)SoulZeh Wrote: [\[CITE\]](#) Well, I'm not hating on your idea at all, believe me it's a cool sounding idea.. But, that would be giving an upgraded feature to non upgraded members?

If you look at it that way, and I understand your reasoning, it would make the suggestion invalid, as suggestions regarding member privileges are not allowed. The basis of my suggestion however has no intentions of bypassing these privileges and I can only hope Omniscient will ignore this aspect when judging this suggestion.

SoulZeh - January 11, 2017, 11:19 am

(Jan 11, 2017 12:17 PM)Lante Wrote: [\[CITE\]](#) If you look at it that way, and I understand your reasoning, it would make the suggestion invalid, as suggestions regarding member privileges are not allowed. The basis of my suggestion however has no intentions of bypassing these privileges and I can only hope Omniscient will ignore this aspect when judging this suggestion. Well good luck mate, It's not a horrible idea, just.. the perks kind of do bypass a little of not being upgraded.

Grizzlies - January 11, 2017, 11:20 am

Good idea!

Pretty awesome feature.

Blacksilver - January 11, 2017, 11:22 am

very good idea it would be nice upgrade for the forum

Omniscient - January 11, 2017, 12:44 pm

I've actually thought about this. It would be nice if current BTC price was somehow automated into certain posts. I hate it when someone mentions value or predictions and doesn't say what current

price is at.

We already have the code running to grab 3 sites BTC info.

<https://hackforums.net/btcv.php>

Here is a nice question. Is there any API's to get a historical BTC price based on date? Everywhere I look seems to be inadequate for a simple call returning price based on a single date or timestamp. If we can find one I can possibly work from it.

Lante - January 11, 2017, 1:26 pm

-> <http://api.bitcoincharts.com/v1/trades.csv?symbol=btceUSD&start=1484169602>

Found this when reading <https://bitcoincharts.com/about/markets-api/>

Exact chart (symbol=btceUSD) can be changed by selecting one of these:

<http://api.bitcoincharts.com/v1/csv/>

timestamp filled in with 01/11/2017 @ 9:20pm (UTC)

Returns

Quote:1484169606,781.886000000000,0.325267690000 USD price is listed after the comma separator.

The website asks not to query more often than 15m. I believe this is what you're looking for?

The queried result can be stored for 15m on a HF DB and re-query each 15m to update the price, and whatever implementation you have in mind for forum posts or display, it can come from the stored value rather than a direct query, due to the 15m limit.

Omniscient - January 11, 2017, 1:32 pm

(Jan 11, 2017 02:26 PM)Lante Wrote: [\[CITE\]](#) ->

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That's close but again, too much data. Unsure why none of these don't have currency (USD,BTC,EUR) and timestamp. They could also just do High and Low of that day in results.

Wasted 45 minutes looking for something as close as possible to that data output. :(

He B TeMy - January 11, 2017, 2:35 pm

<http://api.bitcoincharts.com/v1/markets.json>

They have low and high here, that's not what you want?

Lante - January 11, 2017, 3:00 pm

(Jan 11, 2017 03:35 PM)ff20 Wrote: [\[CITE\]](#) <http://api.bitcoincharts.com/v1/markets.json>

They have low and high here, that's not what you want?

1) Too much data

2) Omniscient wants to be able to pull "USD/EUR/low/high" data based on date or a timestamp

J. McCarthy - January 12, 2017, 4:51 am

A mycode display would be cool as well if it read the

<https://hackforums.net/btcv.php> Prices

Mr. Robot - January 12, 2017, 5:02 am

I see what others are saying and like the [help] or [spoiler] tags it would be awesome to be able to put like

[btcv]

[btcv-current]

[btcv-usd]

For example, btcv would be current price and possibly updated even on posts? Maybe not depending on loads or something however -current would be whatever the price was when they made the post.

Lante - January 12, 2017, 7:51 am

(Jan 12, 2017 06:02 AM)Mr. Robot Wrote: [\[CITE\]](#) I see what others are saying and like the [help] or [spoiler] tags it would be awesome to be able to put like

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Yeah that was one of my understandings as a possible application after reading Omniscient's response. A tag that would pull and display the current price based on the timestamp of the post itself. It would greatly benefit the Crypto Currency discussions. No need to open Preev or Bitstamp or BTC-e or Bitcoinwisdom or whatever site people use to quickly check the current price, just a tag :)

Updating posts containing the tag would be too resource-intensive though for the DB, and would create inconsistencies in people using that tag (not sure if that's what your first sentence hits towards or not, forgive me if not). If someone were to use the tag to display a price of \$1000, and that post was made a week ago, then the current price would override it and the displayed price wouldn't be on par with what the person is writing about it.

J. McCarthy - January 12, 2017, 8:38 am

(Jan 12, 2017 08:51 AM)Lante Wrote: [\[CITE\]](#) Yeah that was one of my understandings as a possible application after reading Omniscient's response. A tag that would pull and display the current price based on the timestamp of the post itself. It would greatly benefit the Crypto Currency discussions. No need to open Preev or Bitstamp or BTC-e or Bitcoinwisdom or whatever site people use to quickly check the current price, just a tag :)

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While you could timestamp probably would just get confusing

minimalist - May 4, 2017, 6:51 pm

Would this be adequate?

Code

<https://min-api.cryptocompare.com/data/pricehistorical?fsym=BTC&tsyms=USD&ts=1479168000>
returns BTC/USD price data for Nov 15, 2016 @ 12:00AM:

Code {"BTC":{"USD":711.53}}

and

Code

<https://min-api.cryptocompare.com/data/histoday?fsym=BTC&tsym=USD&limit=0&e=CCCAGG&toTs=1479168000> returns BTC/USD opening and closing data for Nov 15, 2016:

Spoiler ([Click to View](#)) Code

```
{"Response":"Success","Type":100,"Aggregated":false,"Data":[{"time":1479081600,"close":704.8,"high":707.73,"low":699.15,"open":702.72,"volumefrom":40781.6,"volumeto":28749513.85},{"time":1479168000,"close":711.53,"high":716.37,"low":700.37,"open":704.8,"volumefrom":44753.15,"volumeto":31947044.36}], "TimeTo":1479168000,"TimeFrom":1479081600,"FirstValueInArray":true,"ConversionType":"direct"}
```

I feel like the historical day request returns too much data.

<https://www.cryptocompare.com/>

Charger - May 4, 2017, 6:53 pm

I like what Minimilaats suggested. It seems to be what Omni was looking for.

Armada - May 5, 2017, 11:56 am

(Jan 11, 2017 12:03 PM)SoulZeh Wrote: [\[CITE\]](#) Not gonna lie, It's a nice suggestion, however, people shouldn't be lazy and just click <https://hackforums.net/btcv.php>

I would say even adding this function to the top of the crypto forum would also be very helpful to many members.

(Jan 12, 2017 06:02 AM)Mr. Robot Wrote: [\[CITE\]](#) I see what others are saying and like the [help] or [spoiler] tags it would be awesome to be able to put like

[btcv]

[btcv-current]

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For example, btcv would be current price and possibly updated even on posts? Maybe not depending on loads or something however -current would be whatever the price was when they made the post.

I like this suggestion as well, but the suggestion of the price updating in posts might get messy for historical data. Being the price changes so constantly, and at so drastically at times, it could lead to a lot of confusion.

(May 4, 2017 06:51 PM)Minimalist Wrote: [\[CITE\]](#) Would this be adequate?

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Sounds like exactly what Omni was looking for. ?