

Forum:[Hack Forums](#)

Thread: [Ethereum Node Solar Project](#)

shreder - June 21, 2021, 2:03 pm

I really wanted to build a system and run it under solar from my home. I decided to sync up an Ethereum node on a new system since there were some deals lately.

Specifications:

Ryzen 5 3400g
16GB DDR4 RAM
2TB Nvme
A300

Pulls about 15-30w, I think solar would be possible for this. In fact, I've seen people run their ETH 2 validator on a RPI completely on solar too wanted to attempt it myself.

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

Anyone else running an Ethereum node?

FaberCastell - June 21, 2021, 3:25 pm

what do you get out of it?

SIM-1866423 - June 21, 2021, 4:00 pm

Nah there plenty other decent project i dont wanna waste my time with ETH

shreder - June 21, 2021, 4:26 pm

(Jun 21, 2021 03:25 PM)FaberCastell Wrote: [\[CITE\]](#) what do you get out of it?

A full Node in general allows you to directly interact with the chain rather than trusting a provider to do so for you.

You can read more about it here <https://ethereum.org/en/developers/docs/nodes-and-clients/>

Tommie R - June 21, 2021, 6:33 pm

So is this what my fellow nerds do, huh? Haha. That's cool though, running on solar power.

Marvelous - June 21, 2021, 8:10 pm

(Jun 21, 2021 06:33 PM)Tommie R Wrote: [\[CITE\]](#) So is this what my fellow nerds do, huh? Haha. That's cool though, running on solar power.

Dogefather Elon would be so proud! Lmao.

This is really interesting. I was reading something about someone running 8 nodes off of a raspberry Pi. Im sure you can power a Pi with solar.

shreder - June 22, 2021, 10:15 am

(Jun 21, 2021 08:10 PM)Marvelous Wrote: [\[CITE\]](#) Dogefather Elon would be so proud! Lmao.

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Yep people run their eth2 validator off rpi which only draws about 10w.

T0Bi - June 22, 2021, 1:21 pm

(Jun 22, 2021 10:15 AM)shreder Wrote: [\[CITE\]](#) Yep people run their eth2 validator off rpi which only draws about 10w.

But most use Infura as an ETH1 node. AFAIK it's theoretically possible to run both on a Raspi 4 but that's nothing I'd do.

But as you already have your staking rig, why not try out to run your ETH2 node on a Raspi and connect to your Eth1 node on your rig.

Just don't have both ETH2 validators running at the same time :D

shreder - June 22, 2021, 1:26 pm

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Yeah, I'm confused why people use Infura when their hardware is more than capable of handling an ETH1 Node. I have an RPI 3 which specifications are not sufficient.

math560 - June 23, 2021, 10:00 am

I would like to do that but I don't have enough sun at all in my location haha.

I need to moveee damn I hate my place