

let's have another community call!

Meeting Info

- [Mar 9, 2023, 16:00 UTC](#)
- Duration: 90 minutes
- Recording: [mev boost community call #1 - YouTube](#)
- Zoom: [Launch Meeting - Zoom](#)

Agenda

- capella hard fork readiness
- sepolia recap
- goerli readiness
- goerli shapella fork scheduled for 3/14/2023, 10:25:36 PM UTC
- goerli shapella fork scheduled for 3/14/2023, 10:25:36 PM UTC
- sepolia recap
- goerli readiness
- goerli shapella fork scheduled for 3/14/2023, 10:25:36 PM UTC
- goerli shapella fork scheduled for 3/14/2023, 10:25:36 PM UTC
- testing updates
- research updates
- optimistic relay discussion
- optimistic relay discussion
- open discussion
- relay sustainability, funding models
- relay sustainability, funding models

Notes from zoom chat

09:01:38 From Alex Obadia to Everyone:

yoyoyo

09:02:11 From Justin Drake to Everyone:

[optimistic-relaying-builder-guide.md · GitHub](#)

09:02:16 From Alex Obadia to Everyone:

ty for your coordination Alex

09:02:25 From stokes to Everyone:

Thanks for stopping by!

09:03:10 From stokes to Everyone:

[MEV-Boost Community Call #1 - 9 Mar 2023](#)

09:03:26 From Alex Obadia to Everyone:

0-indexing is the way

09:03:30 From Chris Hager to Everyone:

lol

09:07:36 From Chris Hager to Everyone:

[GitHub - flashbots/builder at capella](#)

09:08:34 From Chris Hager to Everyone:

mev-boost summary issue: [Next release v1.5.0 -- Capella \(withdrawals\) & more · Issue #451 · flashbots/mev-boost · GitHub](#)

details about the update across the stack: <https://flashbots.notion.site/MEV-Boost-Capella-Upgrades-00cea01704794f6eb4f792c55b69c441>

09:09:01 From Chris Hager to Everyone:

[GitHub - flashbots/prysm: Our custom Prysm fork for boost relay and builder CL. Sends payload attributes for block building on every slot to trigger building.](#)

09:09:16 From terence to Everyone:

SSE event end point should be in our next release

09:09:31 From sukoneck to Everyone:

Reacted to "SSE event end poin..." with

09:09:32 From Max Birge to Everyone:

Reacted to "SSE event end point ..." with

09:10:01 From Chris Hager to Everyone:

NICE

09:10:02 From Chris Hager to Everyone:

Reacted to "SSE event end point ..." with

09:11:07 From Alex Obadia to Everyone:

lol

09:11:11 From Robert Miller to Everyone:

haha

09:11:16 From Robert Miller to Everyone:

Test in prod

09:11:38 From Alex Obadia to Everyone:

no he aint

09:14:10 From Max Birge to Everyone:

[Discord](#)

09:14:34 From Alex Obadia to Everyone:

what would be the email tho

09:15:02 From Alex Obadia to Everyone:

ty sir, i was more jokingly asking about what we'd name it

09:15:38 From Chris Hager to Everyone:

[optimistic-relay-documentation/towards-epbs.md at main · michaelneuder/optimistic-relay-documentation · GitHub](#)

09:16:59 From Justin Drake to Everyone:

[optimistic-relaying-builder-guide.md · GitHub](#)

09:17:29 From Alex Obadia to Everyone:

[Optimistic Relay by michaelneuder · Pull Request #285 · flashbots/mev-boost-relay · GitHub](#)

09:17:34 From Alex Obadia to Everyone:

[optimistic-relay-documentation/towards-epbs.md at main · michaelneuder/optimistic-relay-documentation · GitHub](#)

09:22:59 From Alex Obadia to Everyone:

justin could you call out the link again plz?

09:23:10 From Justin Drake to Everyone:

[Rated Network Explorer](#)

09:24:23 From Alex Obadia to Everyone:

is someone from bloxroute on this call?

09:25:09 From phil to Everyone:

how do they get this stat? there's no objective tag for what relay something came through and we probably re-relay many of those

09:25:38 From Robert Miller to Everyone:

In the early days they weren't simulating blocks from their builder. Their builder had a bug and then they publicly added simulations.

09:26:15 From Chris Hager to Everyone:

they did significantly increase their winning slots recently though, could easily be that disabling validation again helped boost it

09:27:55 From Chris Hager to Everyone:

+1

09:29:30 From Robert Miller to Everyone:

@Justin

how does the system work when reported block values are above 1 ETH?

09:29:40 From stokes to Everyone:

Fallback to status quo

09:31:56 From Alex Obadia to Everyone:

go Mike

09:32:05 From terence to Everyone:

Congrats mike!

09:32:06 From phil to Everyone:

amazing

09:32:07 From phil to Everyone:

congrats

09:32:09 From Chris Hager to Everyone:

"enshrined pbs coordinator"

09:32:19 From austonst to Everyone:

Reacted to "Congrats mikel" with

09:33:40 From Alex Obadia to Everyone:

mike wen ePbs

09:35:25 From Alex Obadia to Everyone:

it makes simulation-based censorship less successful right?

09:36:46 From stokes to Everyone:

<https://relay.ultrasound.money>

09:37:37 From Alex Obadia to Everyone:

mostly a PR one it feels

09:37:44 From Alex Obadia to Everyone:

PR / optics

09:38:24 From Michael Neuder to Everyone:

sorry lost my wallet in uber have to drop for a sec

09:38:30 From Alex Obadia to Everyone:

oh no sir

09:40:12 From phil to Everyone:

any plans to release raw data?

09:40:18 From phil to Everyone:

also we should collab x flashbots data

09:40:31 From Max Birge to Everyone:

Reacted to “sorry lost my wallet...” with

09:43:12 From Toni Wahrstaetter to Everyone:

i've put up the data behind mevboost pics [Mevboost.pics | Open Data](#). it's basically the data you described, justin, with builders (aggregated by most common extra data) and validators (aggregated by deposit address + heuristics)

09:43:50 From Chris Hager to Everyone:

public bulk data ++

09:44:28 From Alex Obadia to Everyone:

interesting

09:44:55 From Alex Obadia to Everyone:

just a bunch of bats

09:45:11 From Alex Obadia to Everyone:

Justin – how long would sending_collateral phase exist for tho?

09:46:17 From phil to Everyone:

what about creatie solutions like they hand you a tx you can only spend if they cheat you but otherwise never goes back to them... may solve the “deposit” issue

09:46:33 From phil to Everyone:

always goes back to them*

09:46:58 From phil to Everyone:

but still some centralizing qs, also qs about whether that constitutes financial activity vs eg network / infra

09:47:31 From stokes to Everyone:

Bonded builders + optimistic fault proofs, and try to do everything on-chain

09:48:05 From phil to Everyone:

→ the EF adopts a team to do this and eventually becomes ultra financialized :trollface:

09:48:58 From stokes to phil(Direct Message):

“We’d be happy to hold your collateral

”

09:49:11 From terence to Everyone:

Bonded builders + optimistic fault proofs, and try to do everything on-chain

Sounds like this: [Rollup-relay - HackMD](#)

09:49:13 From phil to stokes(Direct Message):

hahahahaha send me that eth any time sir

09:50:30 From austonst to Everyone:

I’ll also mention <https://ponrelay.com/> here, they recently had a talk at ethdenver that described an optimistic-style design w/ contracts but code and docs still not available

09:53:35 From Max Birge to Everyone:

Ultimately the worry here is we accidentally bring down the drawbridge and create a class of super-relay super-builders that make it much harder for the smaller builders to compete. If we want to be anti fragile, reputation and trust are not words we should be too comfortable with medium long term.

09:54:24 From phil to Everyone:

super important perspective max, I agree accelerating super actors is the worst case scenario (am a protecting decentralization maxi, plus there’s enough incentive for that to happen without us haha)

09:55:46 From stokes to Everyone:

You could only do that one-off though

09:56:18 From terence to Everyone:

[Reducing challenge times in rollups - Layer 2 - Ethereum Research](#)

09:56:49 From Max Birge to Everyone:

One thing not discussed: should we give a proposing validator the option of ignoring an optimistic block?

09:57:21 From stokes to Everyone:

I think thats an interesting feature to explore as we get closer to having an upstream OR implementation

09:58:28 From phil to Everyone:

interactions w inclusion lists is a great research point

09:59:20 From Freddy Zwanzger to Everyone:

I have to drop but really enjoyed the discussion!

09:59:54 From terence to Everyone:

We probably should host another session that’s just for optimistic relayer. This type of discussion is very useful

10:00:15 From stokes to Everyone:

We have another 30 mins!

10:00:26 From terence to Everyone:

Ah ok, thought it's just an hour

10:00:28 From Robert Miller to Everyone:

What happens if the builder lies about their bids

10:00:41 From Robert Miller to Everyone:

e.g. says "this is worth 0.99 ETH" but is worth more to the proposer

10:00:50 From Robert Miller to Everyone:

Kinda weird edge case

10:02:40 From Alex Obadia to Everyone:

gotta drop, ty all

and ty Alex for organizing!

10:02:46 From stokes to Everyone:

ttyl

10:03:46 From Kody Sale to Everyone:

Great info, glad I was able to hop in.

10:04:29 From phil to Everyone:

will definitely think hard about the points this month!

10:10:57 From austonst to Everyone:

Talking with bloXroute and blocknative at ETHDenver recently, both teams suggested to me that their relay operations are a pure money sink and that they are looking to monetize and are otherwise unsure why they're still running this thing.

10:15:00 From Chris Hager to Everyone:

10:17:15 From Chris Hager to Everyone:

aestus (www.aestus.live)

10:17:40 From Chris Hager to Everyone:

clickable now lol <https://www.aestus.live>

10:18:37 From Chris Hager to Everyone:

code of conduct, for public funding?

10:19:58 From stokes to Everyone:

Btw dm me if you want to get on a google calendar invite for the future calls

10:21:16 From Pedro G to stokes(Direct Message):

Thank you, pinkedblue@gmail.com

10:23:39 From Chris Hager to Everyone:

validation code is here btw: [builder/api.go at capella-1.11.3 · flashbots/builder · GitHub](#)

10:24:56 From Max Birge to Everyone:

Reacted to "clickable now lol ht..." with

10:25:30 From Max Birge to Everyone:

clickable now lol <https://www.aestus.live>

Thanks. Persuade your builders to send us some blocks plz

10:25:32 From Chris Hager to Everyone:

[Decentralized crypto needs you: to be a geographical decentralization maxi](#)

10:26:44 From Toni Wahrstaetter to Everyone:

nice call! see ya

10:26:46 From rt to Everyone:

Thank you!

10:26:51 From Brian Stout to Everyone:

ty!