

I haven't followed Plasma development for awhile and just recently saw Karl's [video](#) regarding Plasma MVP. Very interesting and useful presentation. I have a bunch of questions after watching the video though, hence would be great if people can discuss them here. Pinged Karl a couple of days ago but looks like is not active on Skype.

1. It seems that the plasma chain will have to spend a lot of gas/ resources to commit their block headers to the contract on ETH mainchain. This is gonna be expensive imo, not sure if the team has got any measure/ experiment yet?
2. Does plasma assume that everyone has to be online to watch out for scammers and exit if the operator is bad? This is not gonna work in practice as people often go offline.
3. Since the protocol processes the exit requests based on the "age" of the transactions related to accounts/addresses. I dont understand how its gonna scale if Plasma chain will have millions of users and billions of transactions in the future?
4. Further, looks like the arbitration process is currently linear in the number of plasma blocks, which won't scale as well.