garvitgoel:

they have ALL

the data with them. It will be impossible to construct this proof even if just 1 bit of the data is missing.

this a good write up @garvitgoel, thanks for this

for data availability sampling, the light client is not just trying to prove that the server has all of the data, but that anyone can download the data (that the data was published). In the above scenario, would it still be possible that the server compute a proof, but hides data?