

Hey all I have tried asking this on various other forums but haven't gotten a clear answer.

So I see that a lot of optimistic rollup solutions say that they store the chain's transaction data on Ethereum via "calldata" which is way cheaper in gas costs than contract storage (I understand this is due to the ever expanding State trie). Looking up how calldata works, it seems it is read-only memory slot for function arguments. But if it is memory that means it is non-persistent after the the function has completed thus the data wouldn't be available for users to rebuild the chain if necessary.

Where is the Calldata stored in the blockchain after the transaction is complete? Is it in the transaction trie? Also for optimistic rollups a guess is that once a submit block function is initiated via a transaction, the transaction and calldata are not removed from memory until the function ends (after the the usual two 2 week finality period). Thus the calldata would be available for anyone wanting to create the rollup state, and after the two weeks it can be removed from calldata as the fraud proof period is over. Is this correct?

Tldr; Basically where do I find the transaction data for optimistic rollups if I want to re-create the state of the child chain?
Thanks!