I have studied plasma for a while, and I just made a simple plasma contract for decentralized games using token.

I have following questions:

1. What consensus algorithms are possible to use in plasma chains? For a small company, it's hard to use POS, and POA can't convince people. How can I use an unconvincing chain support a convincing chain?

2. How high is its efficiency rate? Is there any online application using plasma?

Below is my smart contract URL:

github.com

tsai50702/solidity/blob/master/plasma_for_token.sol

pragma solidity ^0.4.19;

// Pig World Chain (aka PWC is a Plasma solution) // We are under heavy development, and use ether for test environment. // using the PICO (ERC-20 Token) for production Environment.

// PWC let the pig world platform is totally decentralized & p2p game. // PWC preliminary estimate TPS: 10,000

//--------

//Roles in PWC //verifier, player, dealer, challengeWithdrawal

//--------

//Main function in PWC //submit header, deposite, withdraw, challenge, prove a challenge

//--------

This file has been truncated. show original

I add some function like: Punishment mechanism

Welcome to comment on my smart contract.

(At the top of the contract is a simple token transfer function. You can change to ERC20 Token Standard if you want.)