Hey,

I'd like to introduce Pisa which is a solution to the Monitor problem for state (and payment) channels:

Hacking Distributed

Pisa: Arbitration Outsourcing for State Channels

As deployed today, cryptocurrencies do not scale. To tackle this scaling problem, we introduce Pisa, which complements existing work on so-called "layer 2" solutions.

The blog post covers the high-level idea quite well, but to summarise:

- A generic state channel construction (from Sprites) to build any application in a state channel
- An accountable third-party agent called the Custodian who can be hired to watch the channel on behalf of the customer.

Over the next few months, we plan to implement and evaluate some applications using the state channel construction, and of course to build the custodian. I'd love to get everyones feedback on whether this might be useful to their project!

p.s. We've taken care (and a significant amount of time) to write our paper in the most approachable manner possible. Let me know if we succeeded or not!

Links to paper:

cs.cornell.edu

[

](https://www.cs.cornell.edu/~iddo/pisa.pdf)

pisa.pdf

1213.52 KB