SETH (Sawtooth Ethereum)

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sawtooth

Who

- Sawtooth + Ethereum = Seth

What

- A Sawtooth Transaction Family for executing EVM smart contracts
- A transaction processor that wraps the Burrow-EVM (v0.16)
- A CLI for interacting with the transaction family
- A (partial) implementation of the Ethereum JSON-RPC interface

Where

- Has moved to https://github.com/hyperledger/sawtooth-seth
- Docs are now at https://github.com/hyperledger/sawtooth-seth/blob/master/docs/source/seth_developers_guide/introduction.rst
- EVM implementation Seth is using is at https://github.com/hyperledger/burrow/tree/release-0.16/manager/burrow-mint/evm (working on using the latest and greatest)

Why

- Demonstrate the utility of Sawtooth's transaction processor abstraction
- Add support for executing EVM smart contracts to Sawtooth
- Create a platform which supports additional arbitrary logic for manipulating EVM contract state

When

- Seth is still under active development (i.e., still some kinks to work out)
- Simple smart contracts can be deployed. See examples in https://github.com/hyperledger/sawtooth-seth/tree/master/families/seth/src/sawtooth_seth/example
- Additional work planned to begin starting January

How