

# Sawtooth + Burrow

Bringing the Burrow EVM to Sawtooth



# Objective

Create a new EVM transaction processor using the Burrow-EVM that can:

1. Deploy “simple” smart contracts
2. Execute deployed smart contracts

Where simple means:

- No events
- No contract chaining
- No contract creation

# Transaction Family Spec

Coming soon to the Sawtooth docs... <https://goo.gl/GdMYW0>

Demo

# Help Wanted

- Design an incentivization system
  - Currently no tokens to trade or buy gas
- Optimize data transfers
  - All account data is retrieved and deserialized for each contract execution
  - Account info and storage could be stored separately. Multiple storage keys could be stored at one location
- Make compatible with existing smart contracts and libraries
  - Design and implement an efficient event handling system
  - Handle contract chaining and creation correctly
  - Research how pass output returned by the EVM to the client
  - ...