# Etherisc
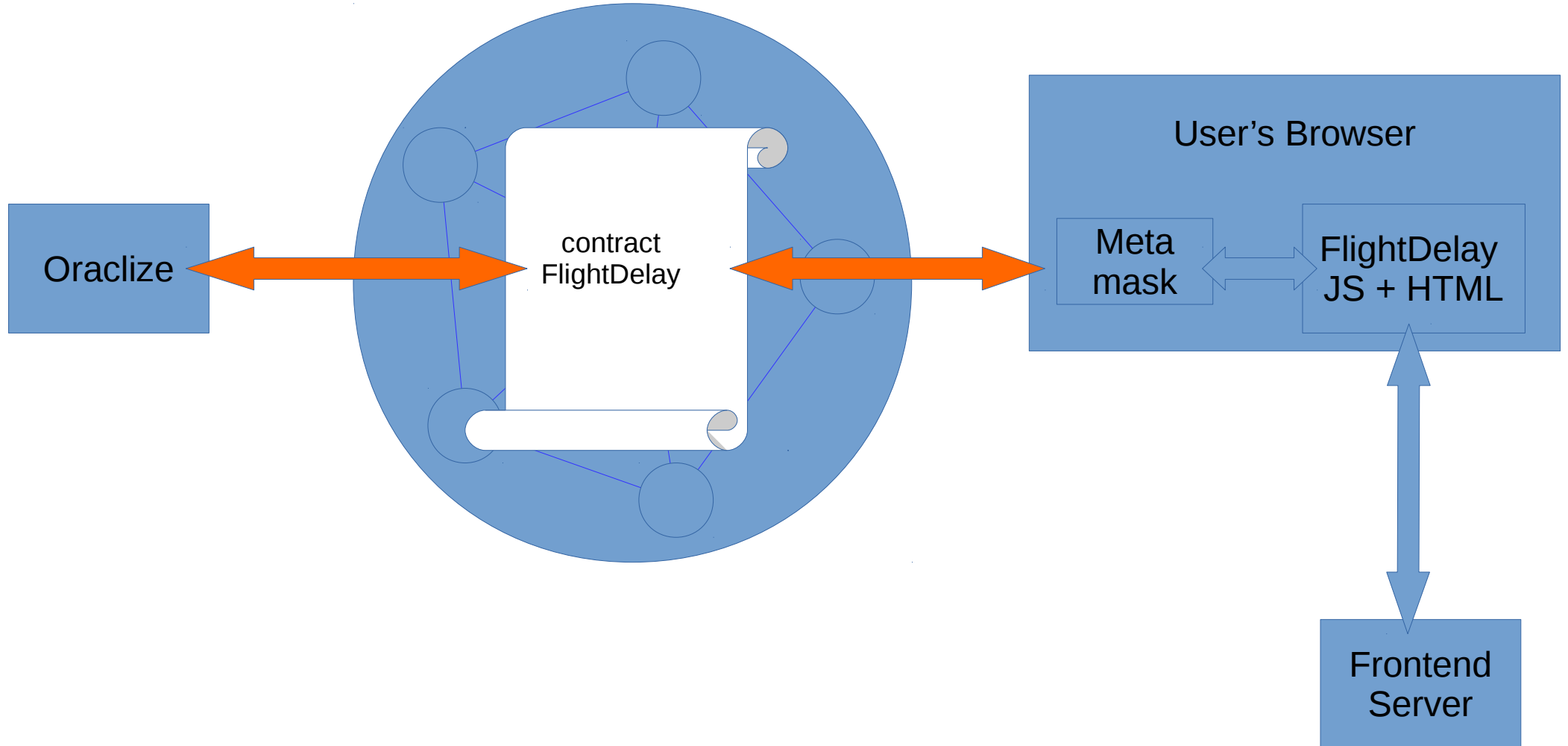## A look under the hood

20 March 2017
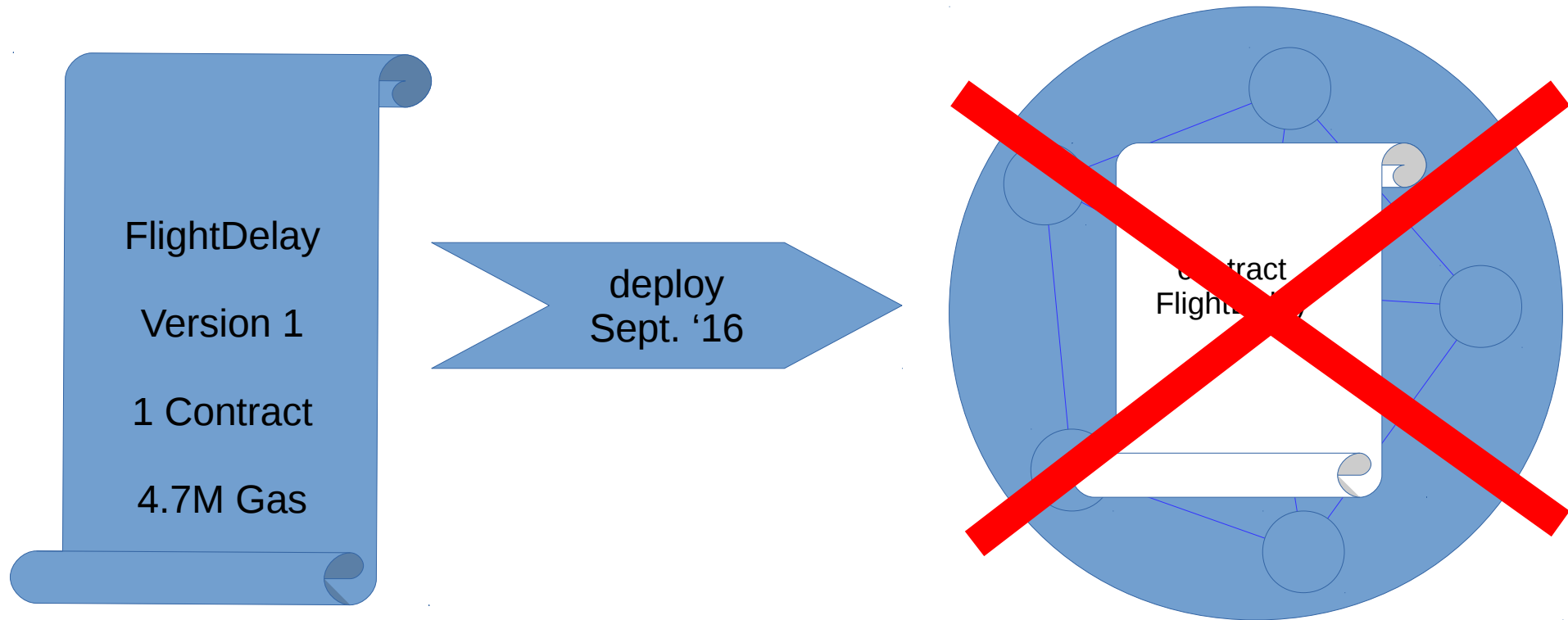
# General architecture
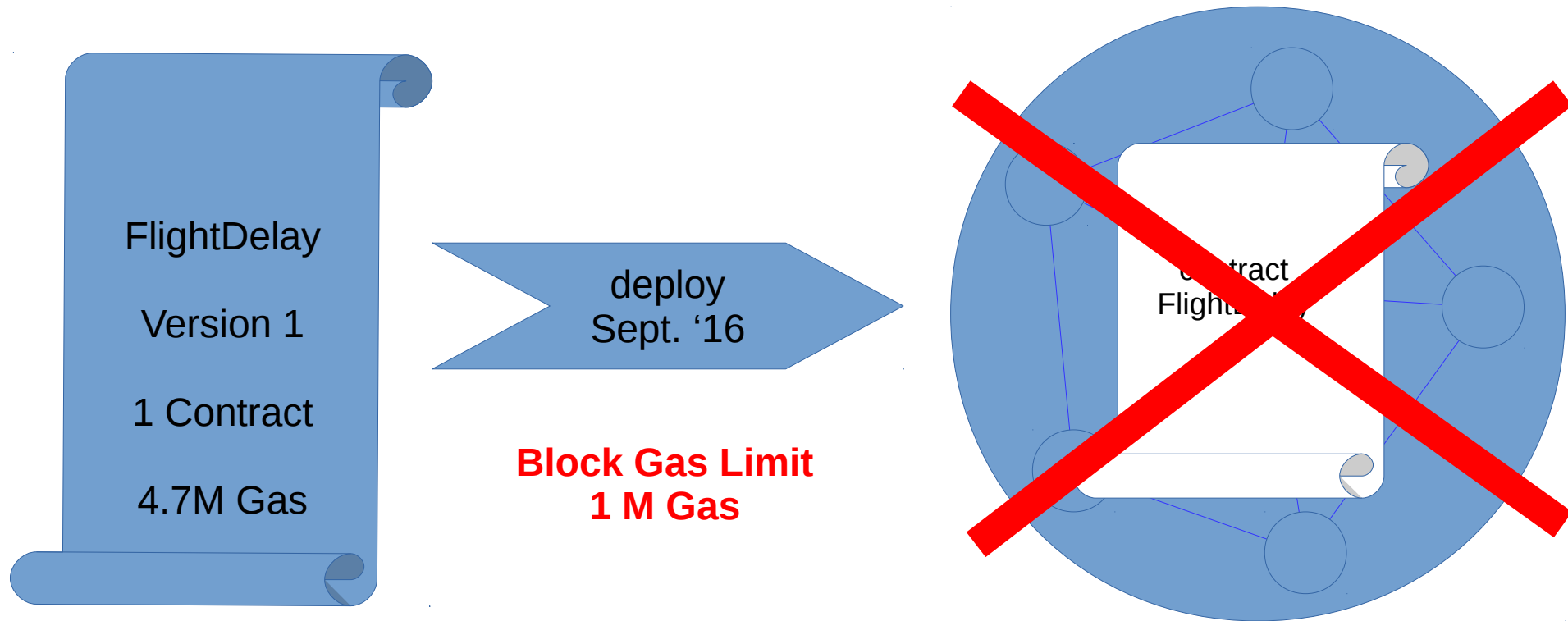


Oraclize

contract
FlightDelay

User's Browser

Meta
mask

FlightDelay
JS + HTML

Frontend
Server

# Deployment at DevCon2, Aug/Sept 2016
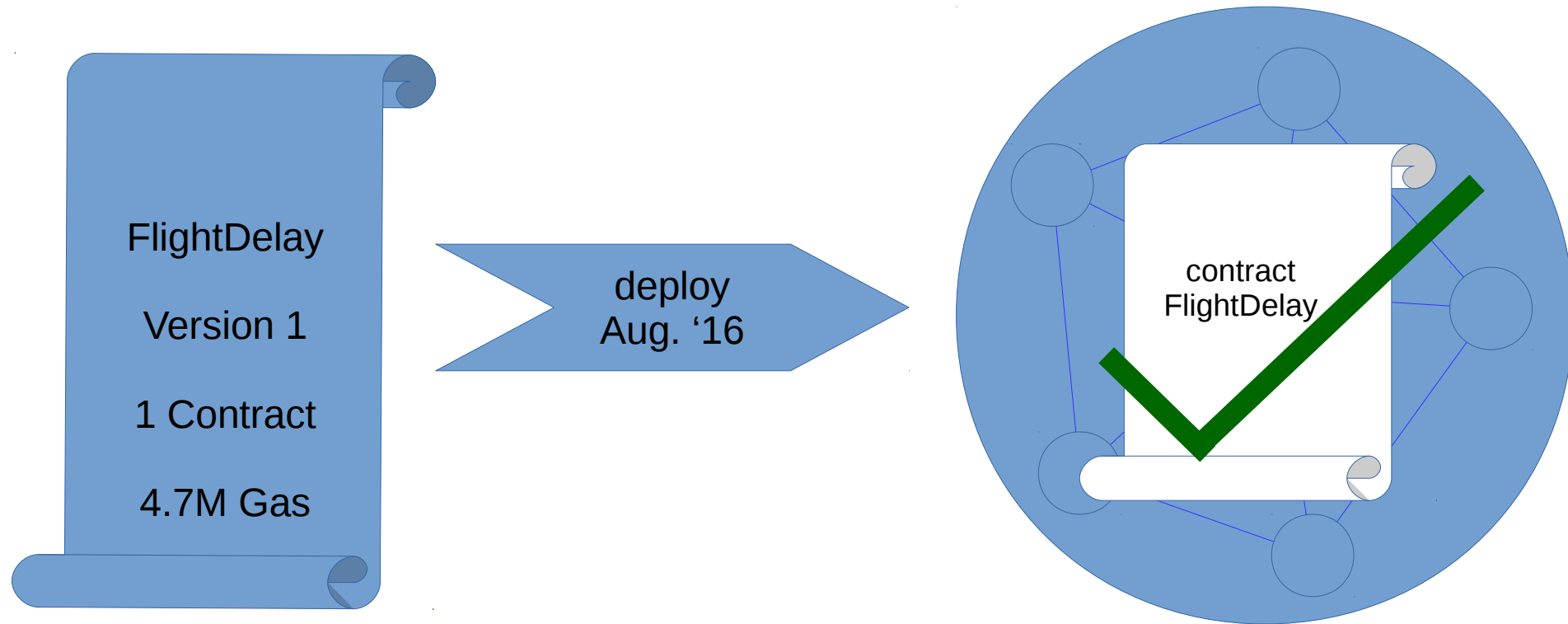


FlightDelay

Version 1

1 Contract

4.7M Gas

deploy
Aug. '16

contract
FlightDelay

# Ethereum Attacks lead to decreased Block Gas Limit

FlightDelay

Version 1

1 Contract

4.7M Gas

deploy
Sept. '16

Contract
FlightDelay

# Ethereum Attacks lead to decreased Block Gas Limit

FlightDelay

Version 1

1 Contract

4.7M Gas

deploy
Sept. '16

**Block Gas Limit
1 M Gas**

Contract
FlightDelay

# Modularization

FlightDelay

Version 1

1 Contract

4.7M Gas

FlightDelay

Version 2

7 Contracts

max. 3M
Gas
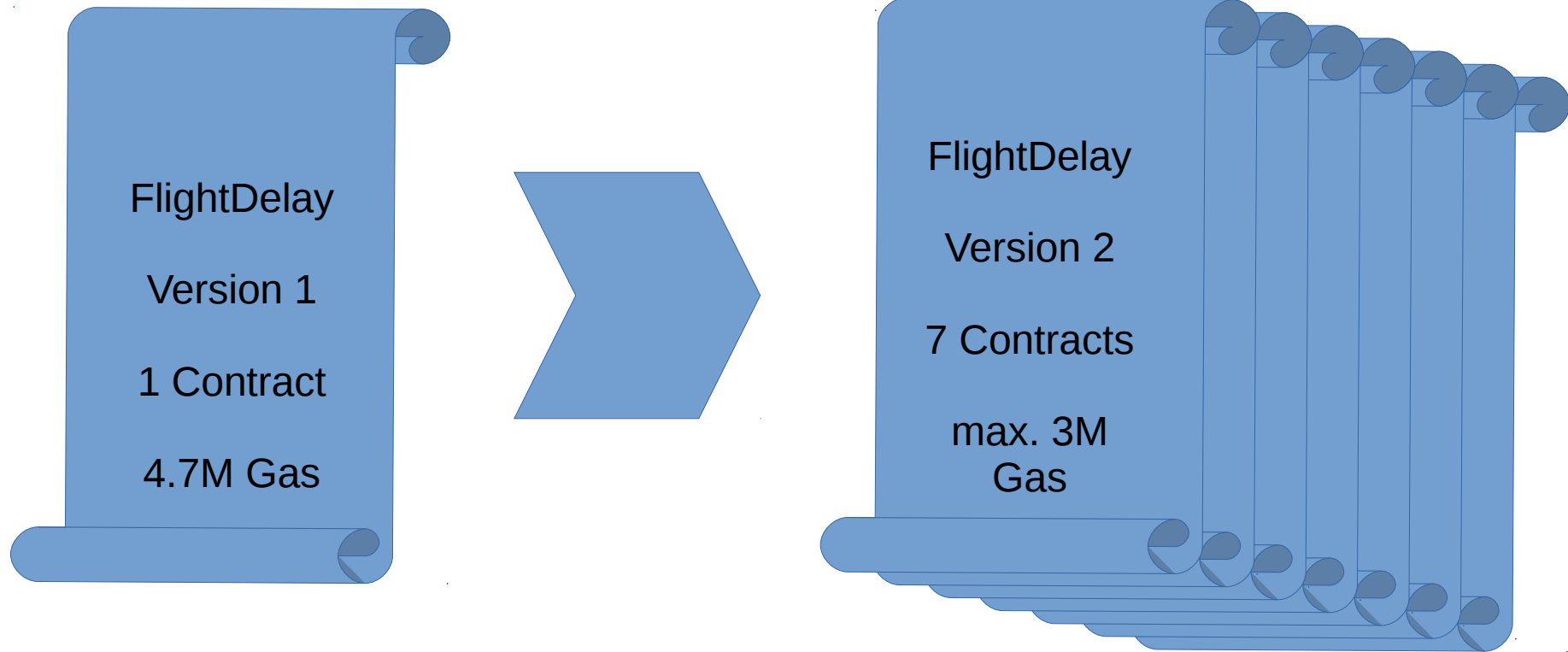
# Modules can be deployed independently

FlightDelay

Version 2

7 Contracts

max. 3M Gas

deploy
Jan. '17

**Block Gas Limit
4.0M Gas**

contract
FlightDelay
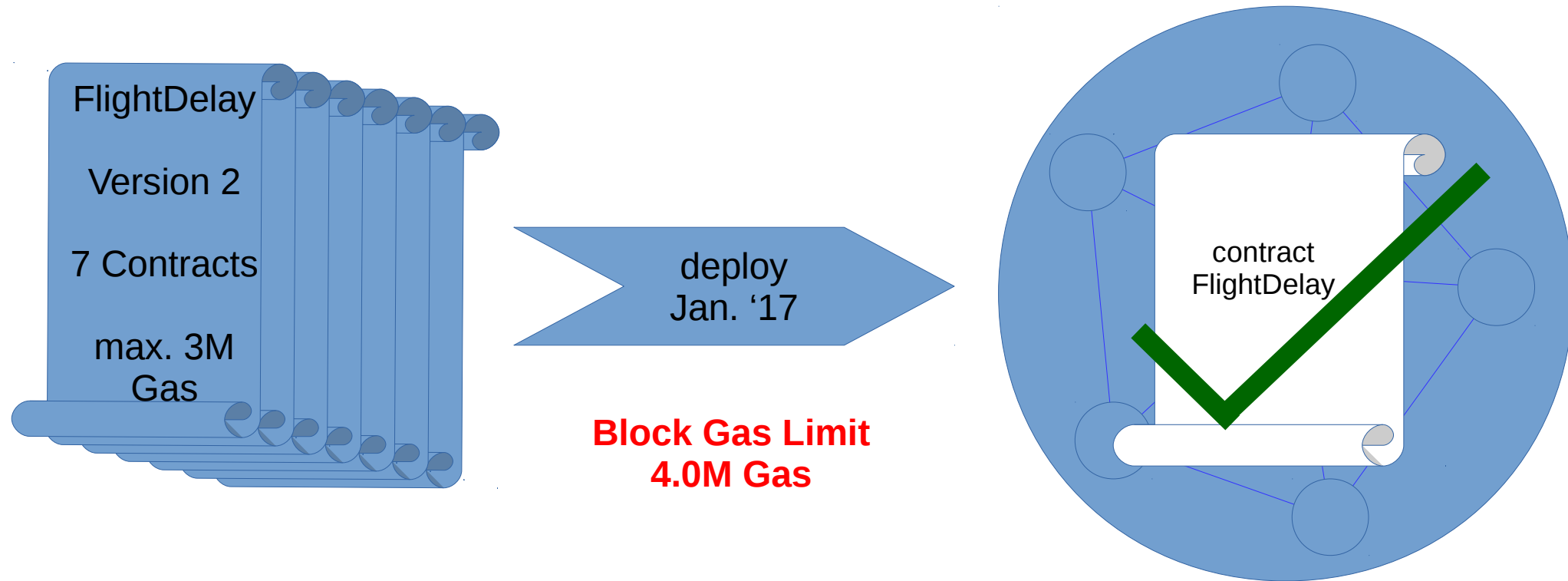
# FlightDelay contracts
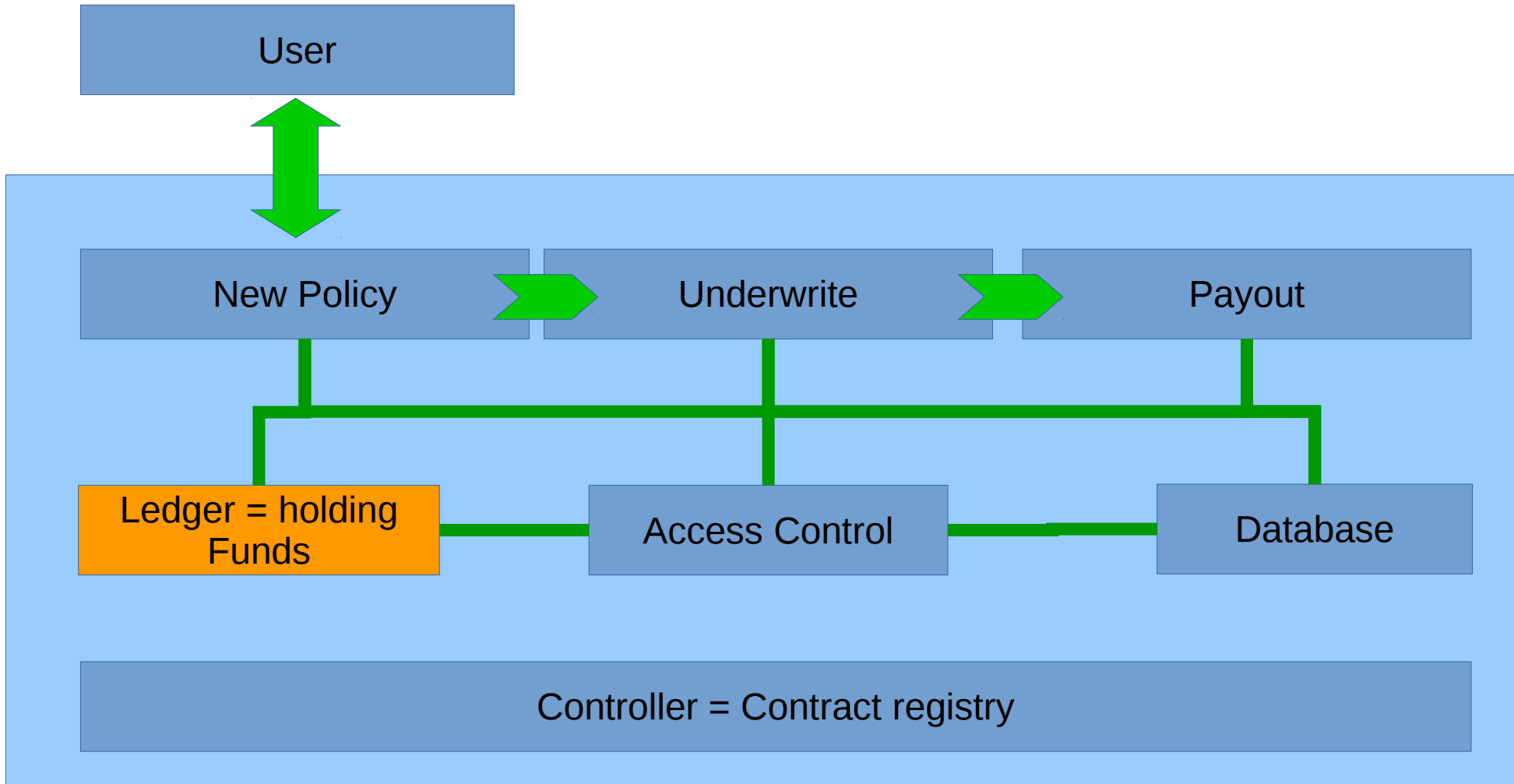
# Further Prospects

- Standardizing call relationships between contracts
- Standardizing state model
- Implementing business process engine
- Security audits
- Bug bountys

And one more …

# And one more ...

# Etherisc
Decentralized insurance applications