

Our Integration

What we are going to do

Write an Exchange

- **User Options**
 - Deposit/Withdraw Funds
 - Exchange Ether for Tokens
- **Admin options**
 - „Owned“
 - Add tokens to trade



The diagram illustrates a three-step process for a typical workflow. On the left, a large dark red box with a speech bubble tail contains the title 'Typical Workflow'. To the right, a large, light red arrow points from left to right, containing three dark red rounded rectangular boxes. These boxes are labeled 'Deposit Ether', 'Change to Token', and 'Withdrawal Token' in sequence from left to right.

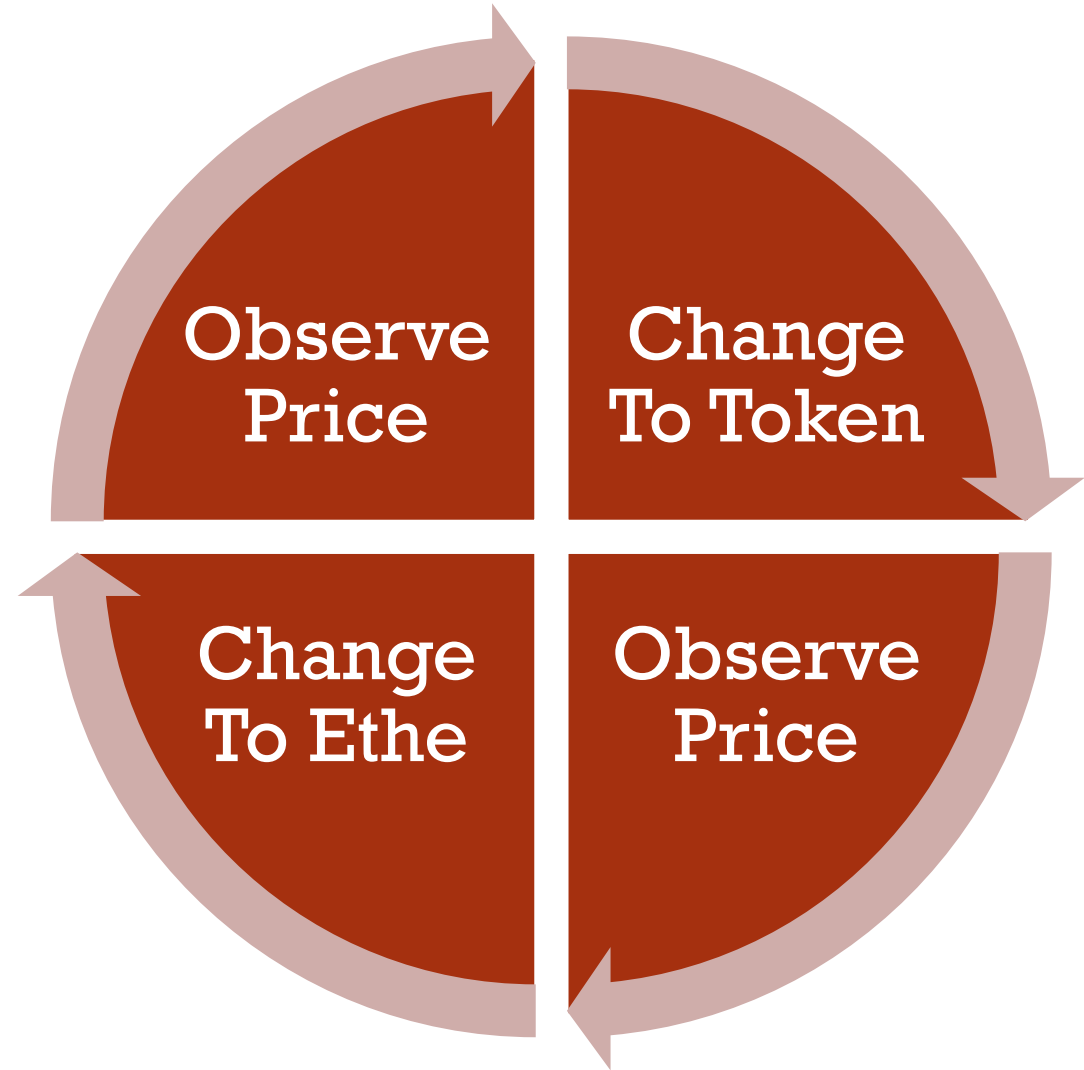
Typical Workflow

Deposit
Ether

Change to
Token

Withdrawal
Token

Workflow #2



Owner Options

- Owner is the address at deployment
- Can add Tokens to the exchange
 - So that is „extendable“
- Like adding new tokens to Poloniex

Exchange Tokens

- Can save limit orders
- Can do partial order fulfillment
- Can do market orders

Manage Funds

- **Check Balance**
 - Ether
 - Coins
- **Deposit Ether/Coins**
- **Withdraw Ether/Coins**

General Functionality

- Can return the bid/ask order book
- Can cancel limit orders
- Emits events
- Is fully tested 😊
 - We are going to write the tests!

Take aways

- We write an exchange
- With a dynamic amount of tokens
- Deposit/Withdrawal functionality
- Exchange functionality
- Tested with Truffle