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The Age of ICOs
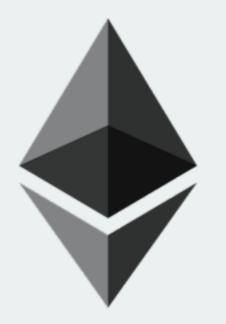EIP-150 Hardfork

ethereum Agenda

General Introduction

Updates

The Age of ICOs

Socialising

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Updates

DDOS Attacks

DDos Attacks continued

SUICIDE attack was devastating to the network

most miners stopped including transactions

state trie blew up to ~60gb

HF was necessary to recover

EIP150 HF

October 18th

Several opcodes had an increase in gas cost

If a call asks for more gas than the maximum allowed amount:

    do not return an OOG error

    call with the maximum allowed amount of gas

SUICIDE more expensive if it creates a new account

EIP150 Aftermath

Attack Transactions ran out of gas

Not long after the fork, a new kind of attack startet

Involved underpriced EXP opcode

Not as devastating as the last one

New attacks can target cache inefficiencies because of the large state generated by the pre EIP-150 attacks

EIP155/160/161 HF

Probably at block 2,642,462 (Nov 17th)

EIP155 adds basic replay protection

EIP160 increases the gas cost of EXP

EIP161 will allow getting rid of empty spam accounts

EIP155/160/161 HF

EIP161 defines an accounts as empty if

no code

nonce 0

balance 0

all empty accounts that are touched during a transaction will be deleted at the transactions end

Solidity Exploit

Major exploit found in solidity compiler

All contracts that use types smaller than 256 bit

might have security issues

Future Workshops

Not much participation in the surveys

Likely dates are now on meetup page

19.11	Contract Development for Beginners
26.11	Advanced Workshop: From Idea to Contract
10.12	From Contract to DApp (web3.js / Whisper / Swarm / IPFS)
17.12	Next Meetup

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The Age of ICOs

ICOs

Initial **C**oin **O**ffering

Here: any sale where you get token in a platform

Selection criteria:

Ethereum-based

Infos must still be available

Past ICOs

Ethereum

Oldest "ethereum-related" ICO

Date	2014
Cap	Uncapped
Raised (BTC)	31,531
Raised (USD)	~18M$
Tokens	ETH generated per BTC
Token Value	Ether

Augur

Prediction Market

Date	2015
Cap	Uncapped
Raised (Crypto)	11091 BTC + 188170 ETH
Raised (USD)	~5.2M$
Token Value	Participation in oracle Can earn fees

Augur

Is in some kind of beta.

REP tokens are now tradable

but cannot be used with real ether / REP yet

Original launch date "Q1 2016"

Digix

Date	April 2016
Cap	5.5M$
Raised	Cap reached
Token Value	DGD Token Can earn fess on DGX txs Voting Rights

Digix

DGX token seem to exist

Traded nowhere

Digix Marketplace seems broken

DGX 2.0 with new fee model

The DAO

Date	May 2016
Cap	Uncapped
Raised (ETH)	11.5M
Raised (USD)	$160m (?)
Token Value	Voting Rights for Proposals Part of the proposal rewards

FirstBlood

Date	April 2016
Cap	5.5M$
Raised	465312 ETH Cap reached
Token Value	Playing matches Voting on the jury Hosting tournaments Claiming rewards from referrals

ICONOMI

Date	September 2016
Cap	Uncapped
Raised (USD)	$10M

SingularDTV

Decentralised rights management platform

Date	October 2016
Cap	7.5M$
Raised	Cap reached
Token Value	represent a claim on IP pro-rate revenue of IP

SingularDTV

"Singular" TV Series (Season 1, June 2017)

"ETHEREUM: The World Computer" Documentary

Release: 16.12.2016

Rights Management Platform

Ongoing ICOs

Inchain

decentralised insurance platform

Date	November 2016
Cap	Uncapped
Raised	125BTC + 6910ETH
Token Value	Voting Rights Dividends

Beyond The Void

Date	November 2016
Cap	Uncapped
Raised	$313000
Token Value	Ingame token Exclusive stuff

Virtual Accelerator

from the ether.camp hackathon (HKG)

Date	October - December 2016
Cap	50M$
Raised	765k$
Token Value	Only way to buy token in startups (all ether goes to ether.camp)

Arcade City

Warning: many red flags

Date	November 2016
Cap	~6M$
Raised	$372000
Token Value	Primary means of payment for AC

Upcoming ICOs

Golem

Computation Network

Date	11.11 - 31.11
Cap	820000 ETH
Token Value	paying for hardware / software usage

vDice

Decentralized gambling on ethereum (already live)

Date	15.11.2016 - 15.12.2016
Cap	Uncapped
Token Value	Dividends

Wings

DAO Platform

Date	18.11.2016-18.12.2016
Cap	Uncapped
Token Value	Part of the revenues of the DAOs

Gnosis

No date yet

Will give shares in GnosisDAO

Tokenholders get revenue of Gnosis platform

Can veto core developers

Further ICOs

Filecoin: Now built on ethereum

BoardRoom

Ledgys: Decentralised Data Markets

chronobank.io: Short term recruitment ("labour hours" currency)

All the infos at:

https://cyber.fund

and

https://www.icocountdown.com

github.com/ahirner/ethereum