ETCDEV
Road Ahead

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Quick recap

- Past year focus was on establishing dev processes for ETC core projects
- We have a team of 8 engineers now
- Develop Geth, pull requests to Parity
- New projects - SputnikVM, Emerald Platform
- 3 Protocol Upgrades
Left for 2017

- Monetary Policy (ECIP-1017) - 12 December 2017
- Release of Emerald Wallet
- Enable SputnikVM in Geth
How we see Ethereum ETC
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- Protocol for Machine to Machine communication and agreements (Smart Contracts)
- Internet of Things (IoT)
- Internet of Autonomous Things (IoAT) / autonomous cars
- Protocol for mesh networks
ETCDEV Principles

• Built by engineers for engineers
• Modular architecture
• Platform for 3rd party products
• Commercial friendly (Apache2 license)
Priorities for 2018/19

- Scalability & performance
- Emerald platform for DApp developers
- Sidechains
- Sharding
- Cross chains interoperability
- Light client
Performance

- Monitoring, benchmarks, metrics
- SputnikVM
- State DB layer
Sputnik VM

- Standalone EVM
- Embeddable into other applications
- Flexible and configurable
- Focus on performance
- Geth, ARM/embedded, WebAssembly
Emerald Platform

Geth | Parity | Gastracker, Epool, etc
---|---|---
local node | remote node | Ethereum RPC API

Emerald Tools

Vault
- keep user data
- private keys, addresses

CLI
- shell scripting
- node, sign, send transaction

SputnikVM
- run FTC PVM

Desktop

Mobile

Web

Ethereum Dapp Launcher

Connector

Material UI Components

JS Library

Icons and Style Guide

Rust Library

Desktop Wallet

Mobile Wallet

Contract Developer

Block Explorer

Your Dapp
Emerald Platform

- Toolkit to build applications running on Ethereum ETC
- UI Components, Libraries, Icons, Build tools
- Javascript, Rust, Go
- Desktop, Mobile, Web, shell scripting
Sidechains

Other Public Blockchains

Private Chains
Sidechains

- Scalability
- PoS/PoA/etc side chains
- Main ETC chain for security
Cross chain interoperability

- Between side chains
- With Bitcoin through Lighting Network
- Cosmos Hub
- Also Metronome, Polkadot and Oracles Network
Light client

- Fast sync and snapshots
- Sharding
- Embedded
- Mobile and IoT
- Emerald components
- SputnikVM
Other

- No plans for Proof of Stake
- No plans for funds seizing or censorship
- 2-3 protocol upgrades in 2018 (remove Difficulty Bomb, new opcodes)
Thank you!

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