

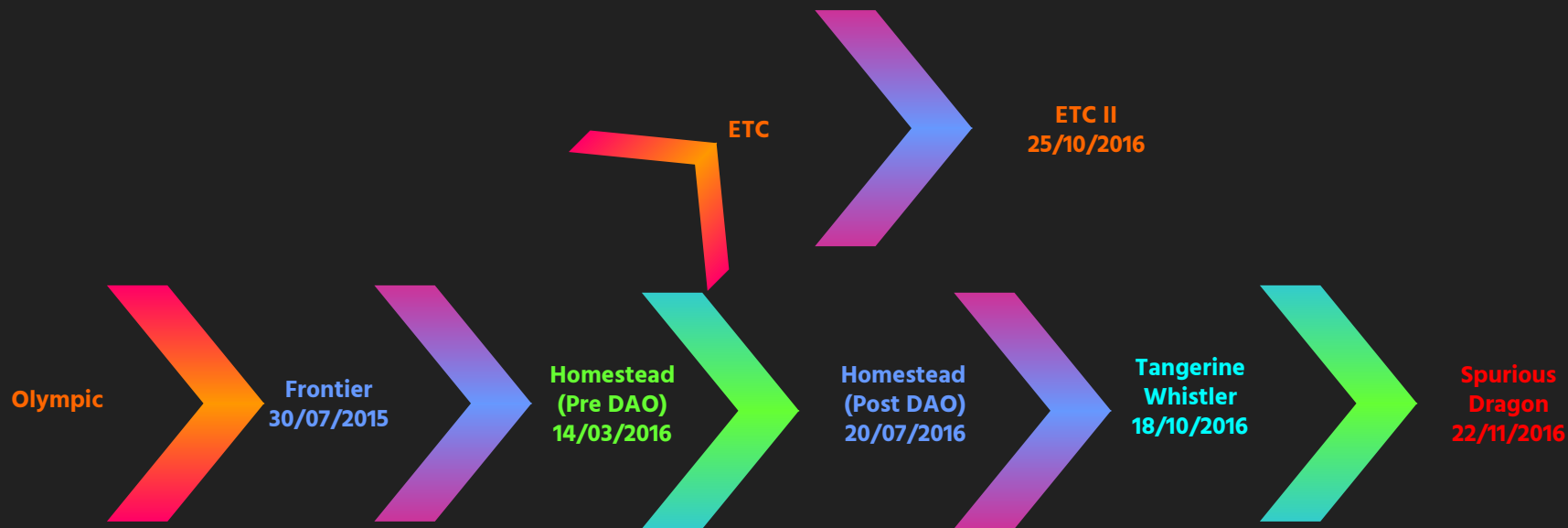
Introduction to Ethereum



A brief history of Ethereum

Key Dates:

- Imagined by Vitalik Buterin in 2013 (white paper published late that year)
- January 23rd 2014: Start of the Ethereum Project
- April 2014: Yellow Paper written by Gavin Wood
- June 2014: Presale of 60 million Ether. (~18 million raised)
- 30th June 2015: First release (Frontier)
- So far has had 4 forks
- Current price (today 420 CAD\$)



Yes, we forked up

Parallels with the Bitcoin Blockchain

Property	Bitcoin	Ethereum
Currency	BTC	ETH
Mining Rewards	12.5/Block + fees, halving every 4 years	5 Eth/block + fees + GHOST
Block Time	~10 minutes	~15 seconds
Turing Complete	No	Yes
Block Size	1 mB	Block Gas limited
Supply	Capped @ 21 mil	18 million created max/year
Consensus Algorithm	Proof of Work SHA256, ASIC mineable	Ethash (PoW Keccak256) non-ASIC mineable

The Current Ethereum Landscape

Different popular use cases

- DAO
 - Decentralized autonomous organisations
- Gnosis/Augur
 - Decentralized prediction market
- uPort, Diid etc
 - Identity/Reputation Management
- UJO
 - Digital Rights/Licensing manager (especially for music)
- Golem/SONM
 - Distributed computing
- Slock.it
 - P2P AirBnB with IoT devices
- Provenance
 - Supply chain tracking

