Blockchain vs. Internet

To better understand what blockchain is, and its utility, drawing analogies to the internet are helpful.

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<th>Open Systems Interconnection</th>
<th>TCP/IP Stack</th>
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<td>Applications</td>
<td>FTP, HTTP, SMTP, Blockchain</td>
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<td>Physical/Data Link</td>
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Transfer of value vs. information
Blockchain vs. Banks

How does blockchain compare to traditional financial system
Blockchain Anatomy

What are the components of the blockchain and how does this all work

Blocks

- Discrete periods of time
- Transactions included in a block are “settled”
- Blocks create priority preventing “double spends”

Mining

- Nodes validate transactions
- Add them into a list
- Create a “snapshot” of that using a Merkle tree
- Mine the transactions to find a block

Blockchains

- Blocks are linked in order by block headers
- Establishes priority, order, and immutability
Energy Market Opportunities

Grid+ a retail electricity provider in deregulated markets is the bridge from today’s grid to the renewable transactive future

+ In the Energy markets we see three major opportunities:

- Remove residential retail inefficiency lowering costs
- Commoditize and trade renewable energy credits
- Create P2P markets which will incentivize DERs

+ How we capitalize on these opportunities:

- ConsenSys is working alongside multiple Fortune 50
- Grid+ will be a blockchain based residential energy provider (REP)