21st entury
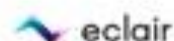# Software Solutions

Enabled with Complete Solutions
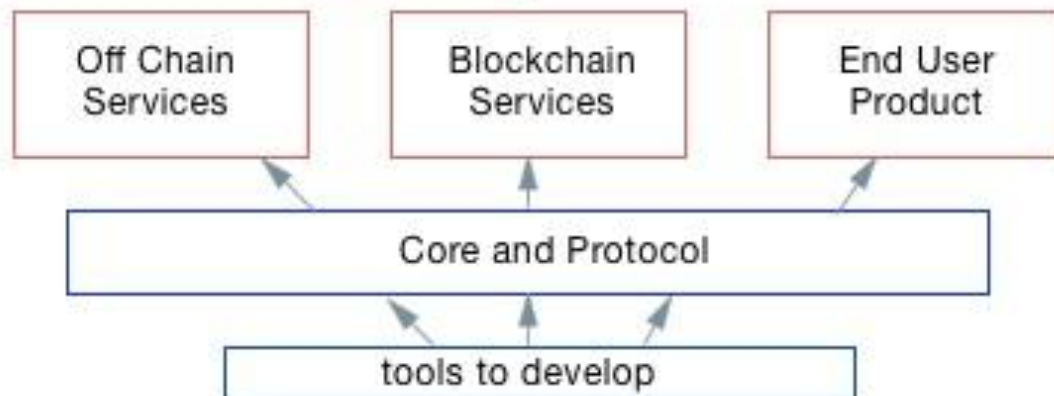
Our Overview

Enabling Businesses through
decentralised technologies

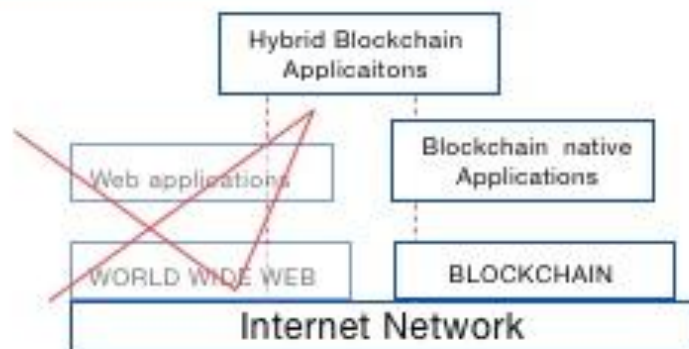bitcoin   Blockstream   Lightning labs   eclair

Philosophy and Understanding of Blockchain

Stack of Blockchain Technologies

Off Chain Services	Blockchain Services	End User Product

Core and Protocol

tools to develop

Our Approach to Blockchain functionality

Hybrid Blockchain Applicaitons

Web applications

Blockchain native Applications

WORLD WIDE WEB

BLOCKCHAIN

Internet Network

- 21st Century is working on native Blockchain application instead of Hybrid. Our understanding is that hybrid applications are piece wise solutions and don't utilise the complete facets of the blockchain technology.

Current State of Decentralised environemt

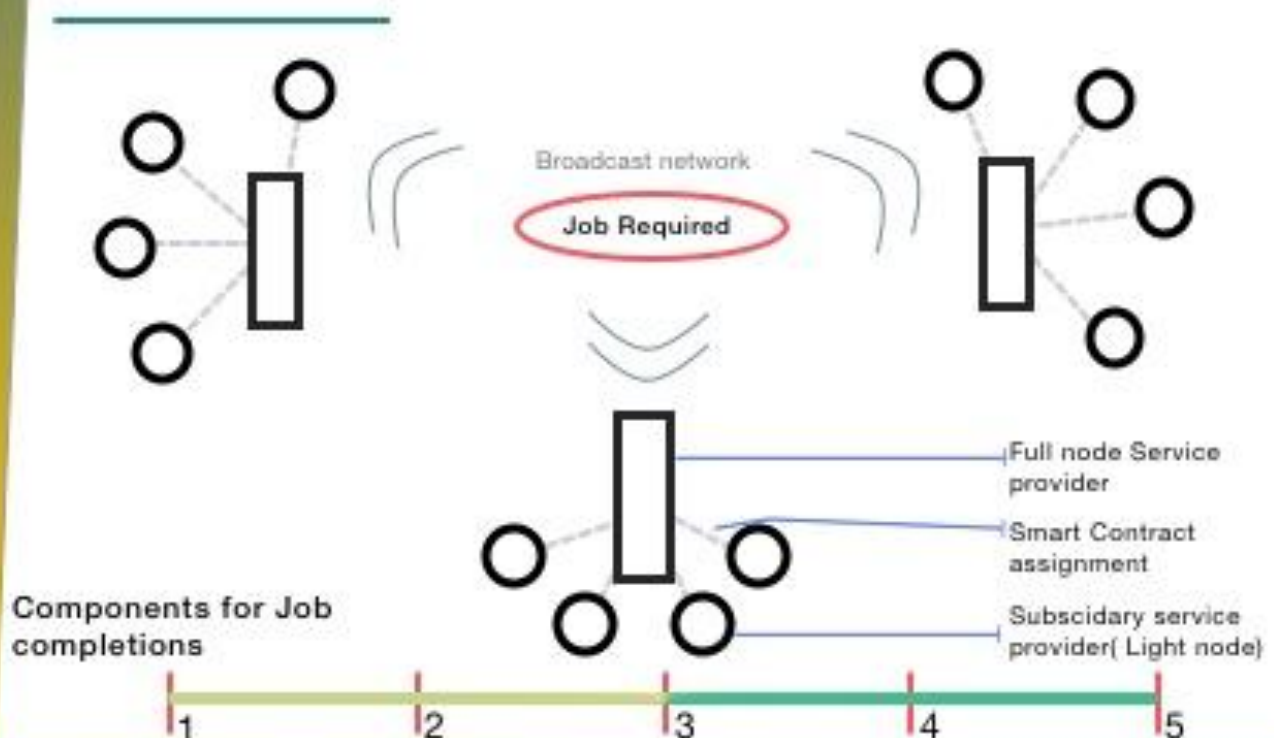|	Web 2.0	Web 3.0 (dApps)	Status
Scalable computation	Amazon EC2	Ethereum, Truebit	In progress
File storage	Amazon S3	IPFS/Filecoin, Storj	In progress
External data	3rd party APIs	Oracles (Augur)	In progress
Monetization	Ads, selling goods	Token model	Ready
Payments	Credit Cards, Paypal	Ethereum, Bitcoin, state channels, 0x	Ready

Our Approach to Blockchain functionality

Brief:-

- Developing a model that will move the commodity logistics and trading on a blockchain based technology.
- We have patterened with few startups to build the middleware on public chain.
- And, we are building the applications on top of them.

Technology components:

Private/Public blockchains   Oracles
Smart Contracts   Sidechains

Broadcast network

Job Required

Full node Service provider

Smart Contract assignment

Subscidary service provider(Light node)

Components for Job completions

1   2   3   4   5

Contact us:-

To know more about our projects , you can write to us
blockchain@21cssindia.com
or
Visit us @ http://21cssindia.com/blockchain

Research Resources

In case, you want to digg deeper. A list of resources that will help you from the basics to the understandin of our philosophy:-

A video Series by the author of mastering Bitcoin: aantonop
https://www.youtube.com/playlist?list=PLPQwGV1aLnTuN6kdNWlEJfr2tzigB9Nnj

The Seminal Whitepaper that started it all: Satoshi Nakamoto
http://nakamotoinstitute.org/bitcoin/

Blockchains: How they work and why they'll change the world: IEEE
https://spectrum.ieee.org/computing/networks/blockchains-how-they-work-and-why-theyll-change-the-world

The concept of Ricardian contracts : Ian Griggs
http://nakamotoinstitute.org/the-ricardian-contract/

The Unenumerated blog: Nick Szabo
https://unenumerated.blogspot.in

Cyperhunks Manifesto: Eric Hughes
http://nakamotoinstitute.org/cypherpunk-manifesto/

The byzanites genreal problem: Leslie Lamport and others
http://research.microsoft.com/en-us/um/people/lamport/pubs/pubs.html#byz

The Ethereum Project
https://www.ethereum.org/

Company Information

Address Information and
Various offices Information

Dharani Karri