TelOS Protocol: TOP

A decentralized open communication network

TOP Network

A decentralized open communication network that provides messaging, calling, VPN, streaming, CDN, IoT data sharing, storage and other decentralized communication services.

VPN

VoIP

Video

CDN

Storage

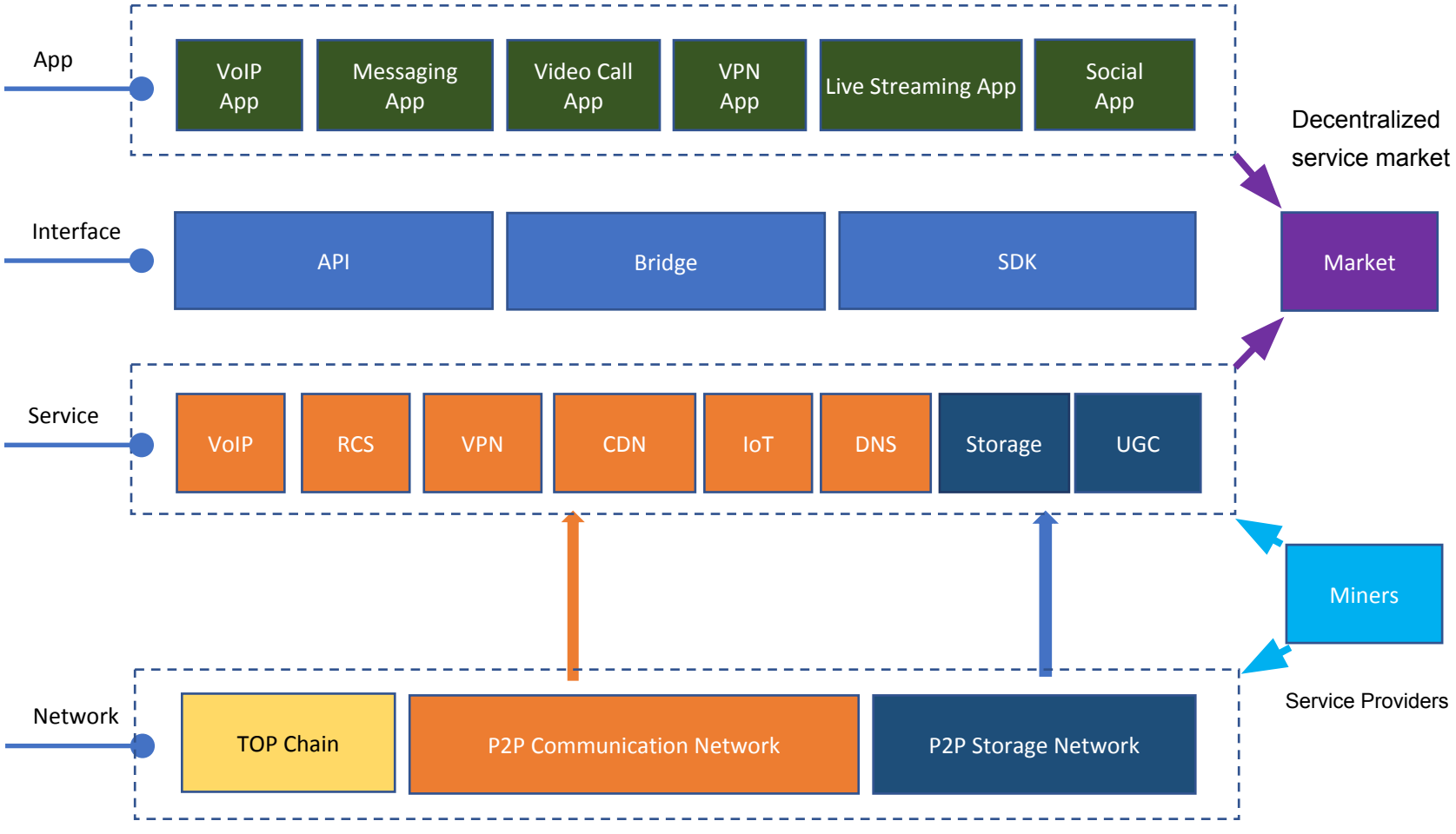
Messaging

Streaming

IoT

TOP Network

TOP Architecture



TOP Network

We provide full-stack cloud communication service. We free app developers from developing and building their own communication stack.

Standard communication protocol makes all Dapps interoperable.

A blossoming ecosystem benefits end users, Dapps and service providers (miners).

Core Value

Comm Services

- Messaging
- Voice & Video
- VoIP
- VPN
- Streaming & CDN
- Storage & UGC
- IoT Data Sharing

Standard Protocol

- RCS International Comm Standard
- Interoperable

Ecosystem

- A decentralized market connects Dapps and providers
- TOP token brings end users, Dapps, and service providers (miners) together to build an ecosystem

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Advantages

TOP Network

Typical Apps

VPN

PSTN
VoIP Call

Video
Call

Storage & UGC

Any Communication Apps
&
Any Apps with
Communication Features

CDN

Messaging Apps

Live Streaming

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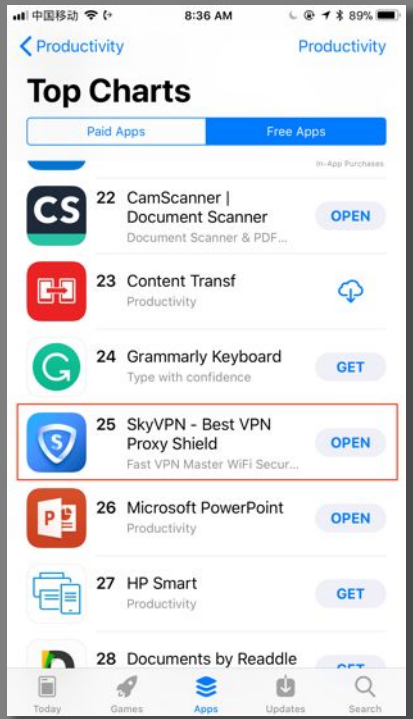
Massive User Base

TOP Team has developed three communication apps - Dingtone, CoverMe and SkyVPN – that altogether have more than 50 million users. These apps will be the very first Dapps in the TOP ecosystem. Once TOP is officially launched, they will bring massive volumes of business to TOP.



- **Dingtone – Decentralized Messaging App**

Dingtone has over 36 million users who generate 1 billion minutes of VoIP calls annually and 1 billion messages daily. Dingtone will become a decentralized messaging app once it moves to TOP.

- **CoverMe – Secure Messaging App**

CoverMe is the first messaging app implementing end-to-end encryption technology (earlier than Telegram). CoverMe will move to TOP with its 4 million users.

- **SkyVPN – Decentralized VPN Service**

SkyVPN has over 9 million users and consumes 180 TB of VPN traffic every day. SkyVPN will become a decentralized VPN app on TOP.

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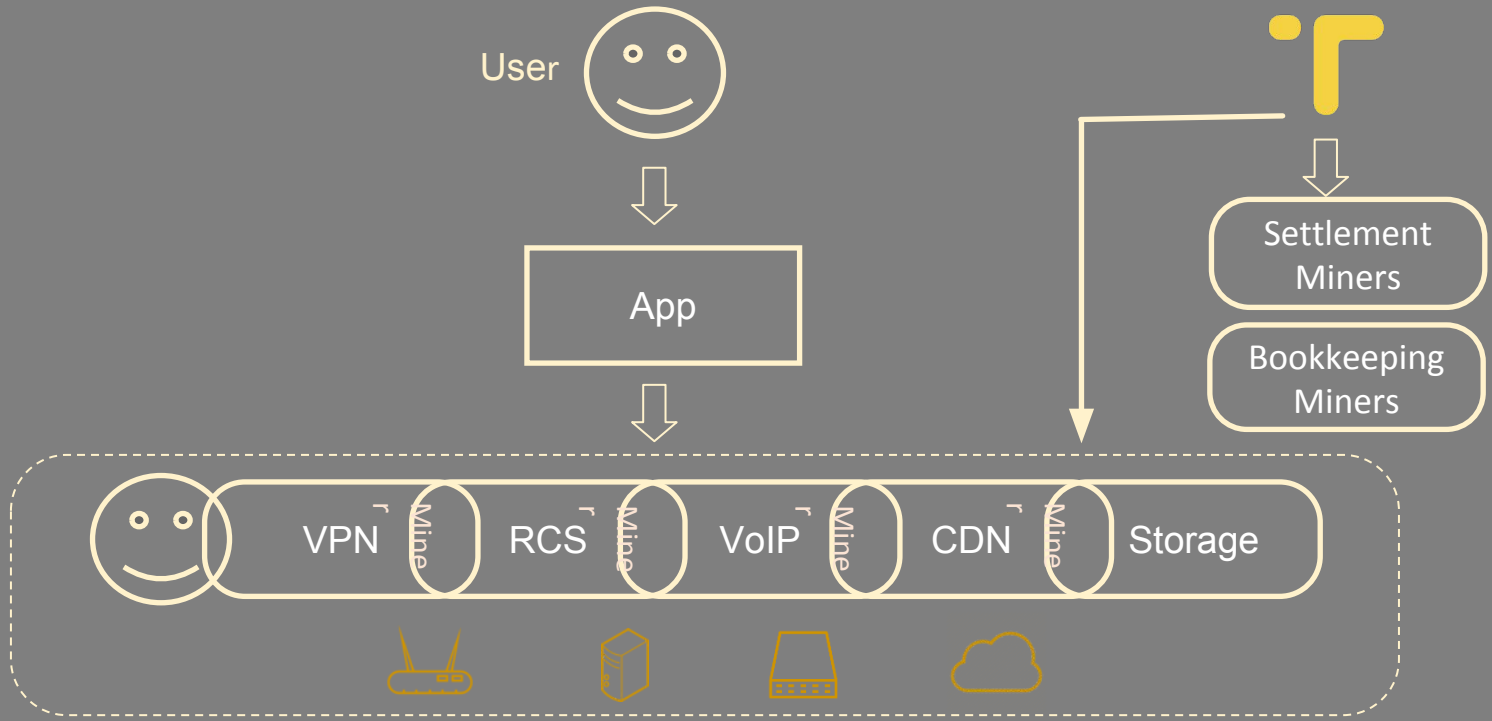
Easy Ecosystem Development

Miners are the foundation of the blockchain ecosystem. The cloud communication services provided by TOP include RCS, VoIP, VPN, Streaming, CDN, IoT, Storage and more. Each of them has **significant market potential**. Miners can use such devices as routers, computers and servers. **One device can provide multiple services** so miners can easily earn money in the ecosystem. **End users can be miners as well**.



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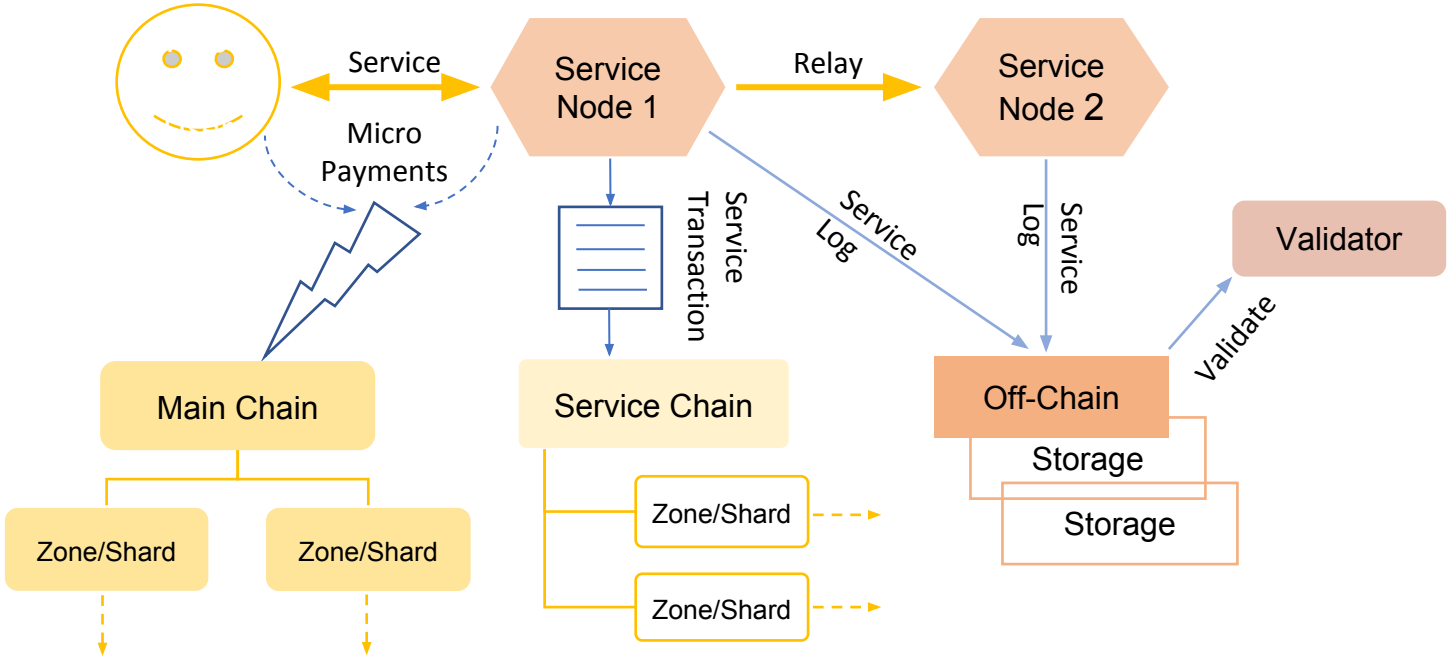
The volume of transactions in the communication industry is huge. For example, SkyVPN books over 100,000 billing units per second (512 KB VPN traffic per unit). TOP Chain is designed to settle **millions of transactions per second (TPS).**



Multi-Chain Architecture

- Separate settlement from service chains
- One service chain for one TOP service
- Service chain: PoB, PoSt; Main Chain: PBFT-DPoS

Horizontal Scale

- Accounts are organized into zones.
- Each zone has multiple shards (100 x scale-up).
- Intelligent routing between shards

Layered Ledgers

- Detailed service logs are saved in the decentralized storage.
- Service transactions are booked on the service chains.
- Payment is settled on the main chain.

TOP Network

Team

TOP Network

Steve Wei

CEO

- An serial entrepreneur with a track record of success
- One of WebEx's earliest employees and major technical contributors
- Founded Cenwave in 2004, acquired by Huawei in 2010
- Founded Dingtone in 2012

Noah Wang

CMO & BD

- U.S. West Coast Regional Head of Starr Strategic Holdings
- Managerial experiences at PwC and ICBC
- Charter member of HYSTA and CKGSB YEB
- Yale MBA
- Mensa International member

Kelven Yang

Chief Architect

- Chief Architect and founding employee at WebEx
- Joined Cloud.com in 2009; core member on the R&D team
- Co-founded Dingtone in 2012

Peter Wei

Leader of Engineers

- A network security expert holding 33 patents
- One of WebEx's earliest employees
- Director of R&D at Fortinet, Technology Architect at TrendMicro

Taylor Wei

Leader of Platform

- Expert in cryptography and secure communication
- Mobile development manager in WebEx
- Co-founded Dingtone in 2012

TOP Network

Investors

FENBUSHI CAPITAL

DHVC

ONTology

LD CAPITAL

NGC NEO GLOBAL CAPITAL

ROOTSCAP 起源资本

Starwin Capital 星合资本

JUBILEE 禧升资本

DDC DIVERGENCE DIGITAL CURRENCY FUND

AlphaCoin Fund

ORIGIN CAPITAL

ELYSIUM VENTURE CAPITAL

道生资本 DAOCIN CAPITAL

追梦者基金 DREAM CHASER

Vancoin

TEEC ANGEL FUND

MEK GROUP

BLOCKCHAIN FUND

Gong Hongjia
Co-founder
Hikvision

Wu Yongming
Co-founder
Alibaba

TOP Network

Mission Statement

TOP Network

Mission

TOP

Infrastructure for Communication and Social Apps

EOS

- Blockchain OS
- Infrastructure for Dapps

IPFS

- Decentralized Storage
- Infrastructure for File Storage and Distribution

TOP

- Decentralized Communication
- Infrastructure for Communication & Social

TOP Network

Roadmap

Q3, 2017	Conduct research on the decentralized VPN service
O4, 2017	Start designing TOP architecture
Feb, 2018	Start developing TOP Proxy and TOP Chain
Q3, 2018	Launch a test network of TOP Proxy
Q3, 2018	Launch a test network of TOP Chain
Q4, 2018	Release BitVPN decentralized VPN service
Q4, 2018	Launch the first trial of TOP Chain
Q1, 2019	Release TOP Communication Services
Q1, 2019	Launch a later-stage trial of TOP Chain
Q2, 2019	Officially launch TOP Network and TOP Chain
Q3, 2019	Release TOP Messenger and TOP IoT

TOP Network
All In One

TOP Network

TOP Network Telegram Group
t.me/topnetwork_top

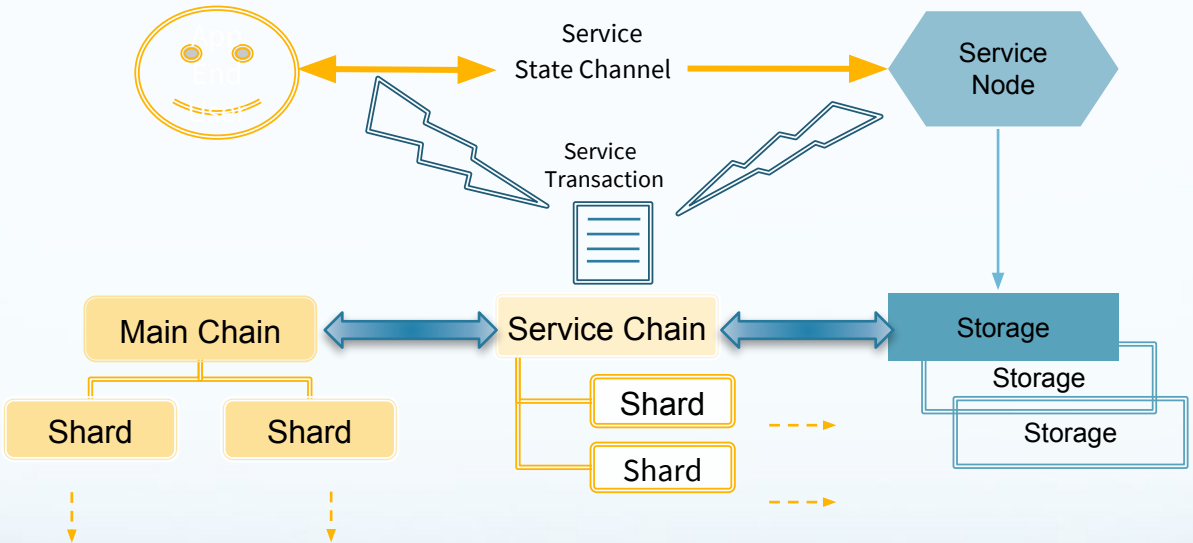
TOP Network Discord Group
https://discord.gg/QjcfRB

contact@topnetwork.org

Layer2 on TOP

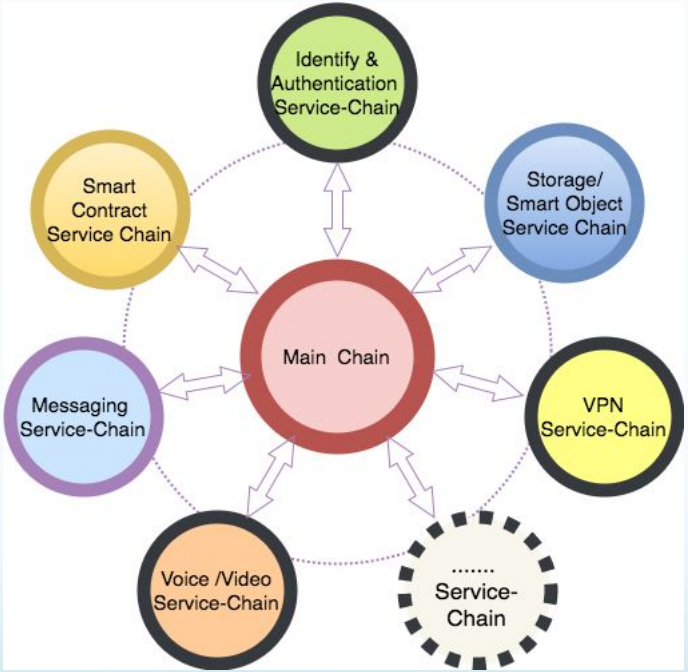
- *Leverage Off-chain Power*
- *New & Simple Layer2 Design*

3 Layer Ledgers



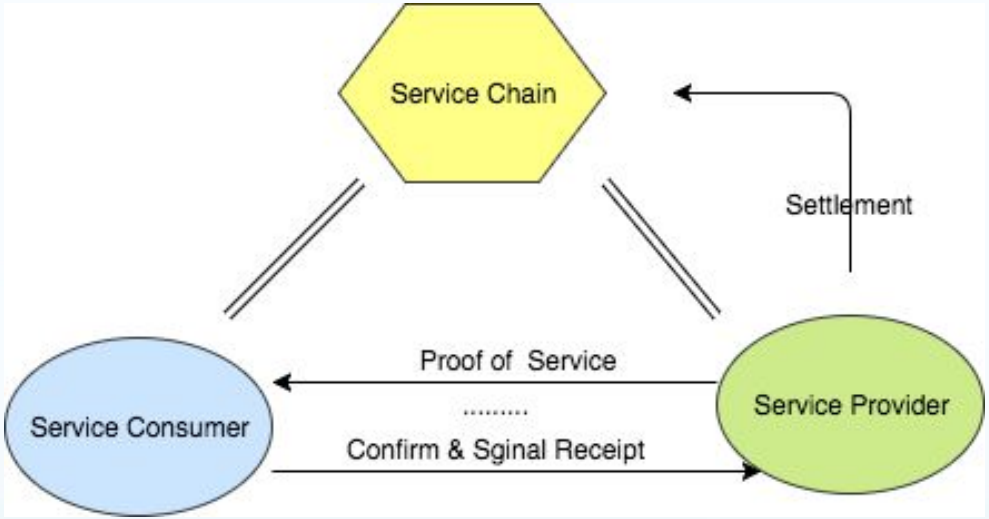
Multiple Service Chains

Pluggable Side Chain

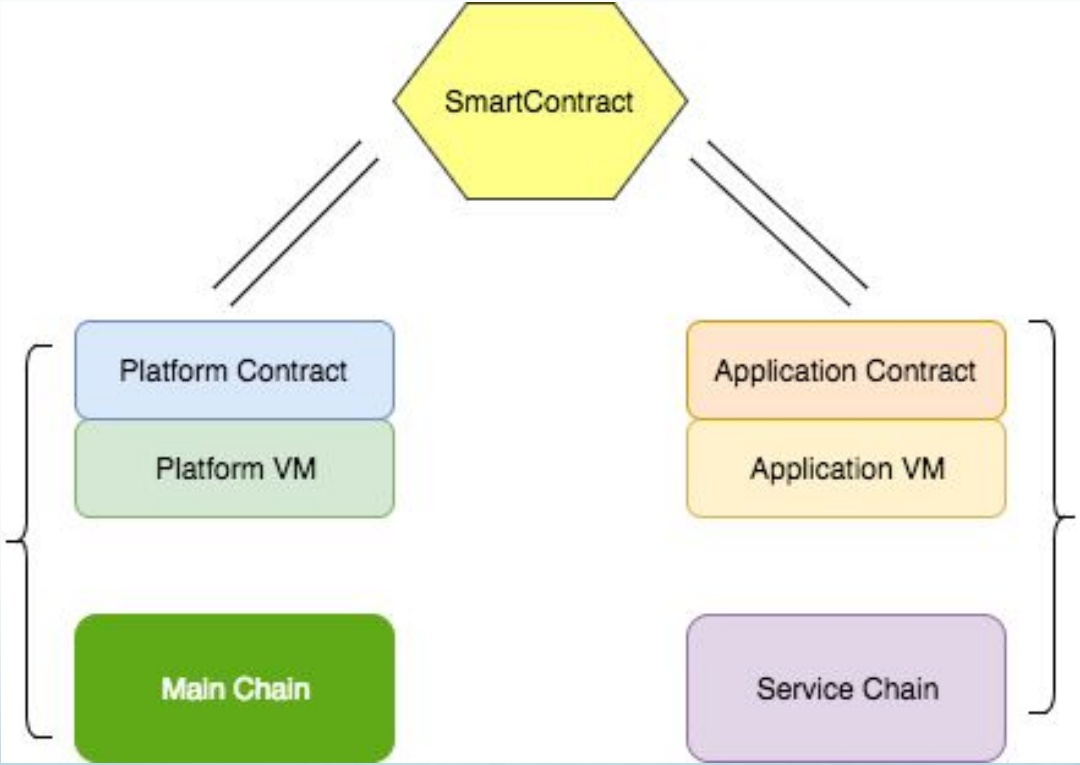


Customized Side Chain

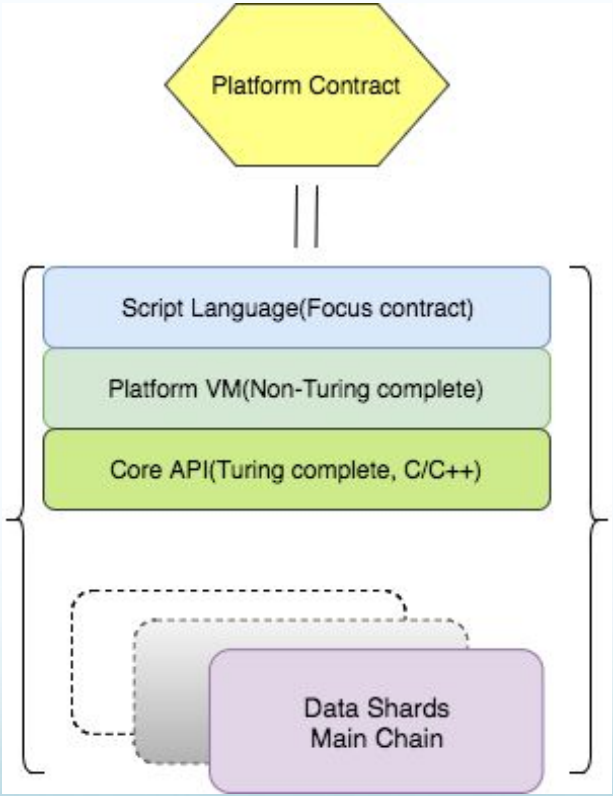
Simplify State Channel



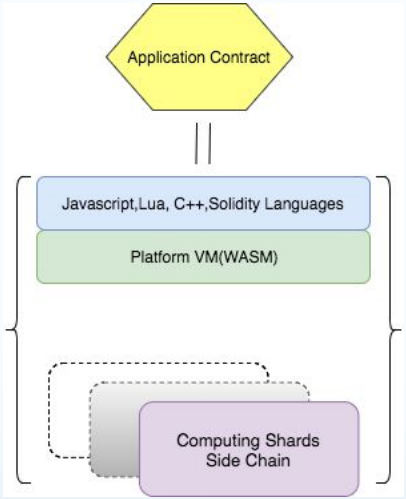
2 Layer Contract



Platform Contract



Application Contract



Layer2 Thinking

- Target for micro-value with high-frequency
- Good for service but not for financial
- General Layer2’ solution is expensive
- What next for Layer2 solution