



LOOPRING

<https://loopring.org>

<https://github.com/loopring>

@loopringorg

路印协议简介

About Loopring Protocol

解决的问题

Problems Solved



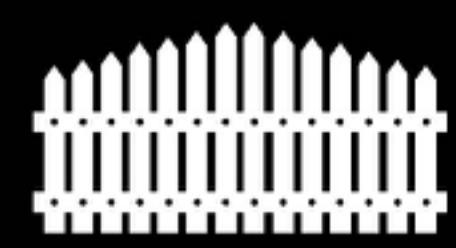
不安全

Lack of Security



不透明

Lack of Transparency



流动性分散

Partition of Liquidity

路印协议简介 | 特点

About Loopring Protocol | Features

100% 安全
100% Secure



100% 透明
100% Transparency



流动性共享
Shared Liquidity



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About Loopring Protocol | Features

100% 安全

100% Secure



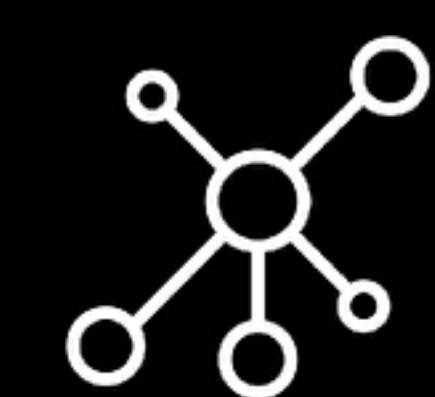
100% 透明

100% Transparency



流动性共享

Shared Liquidity



更加高效

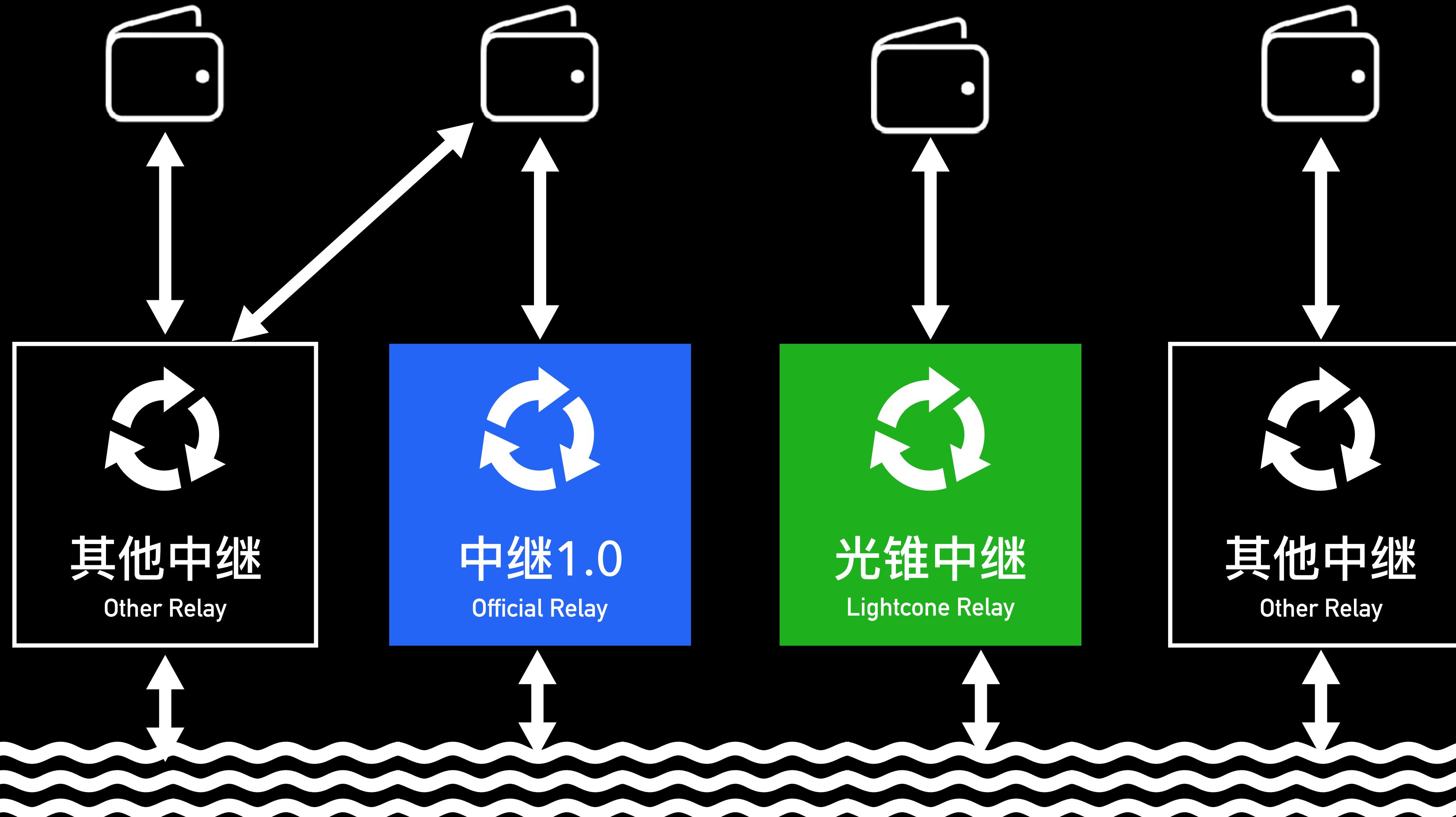
Higher Efficiency

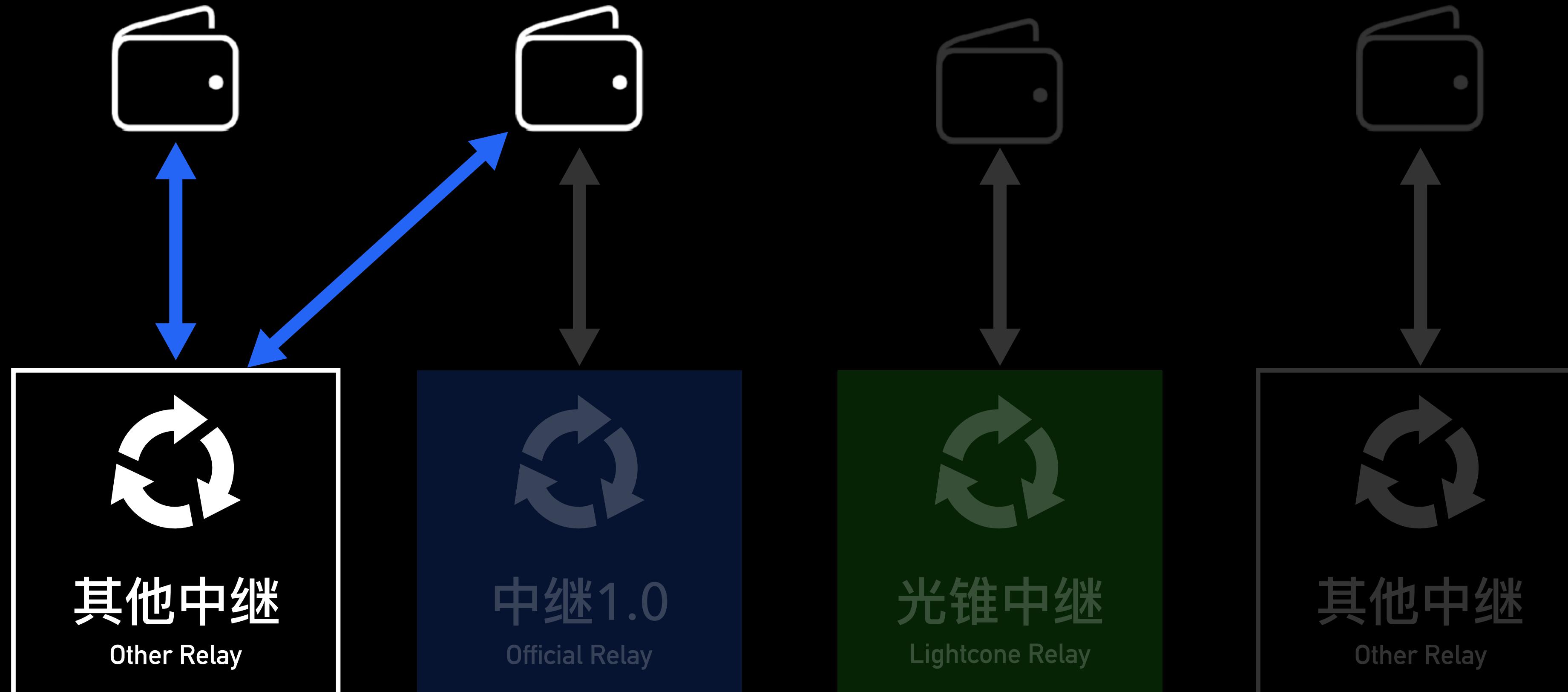


流量变现

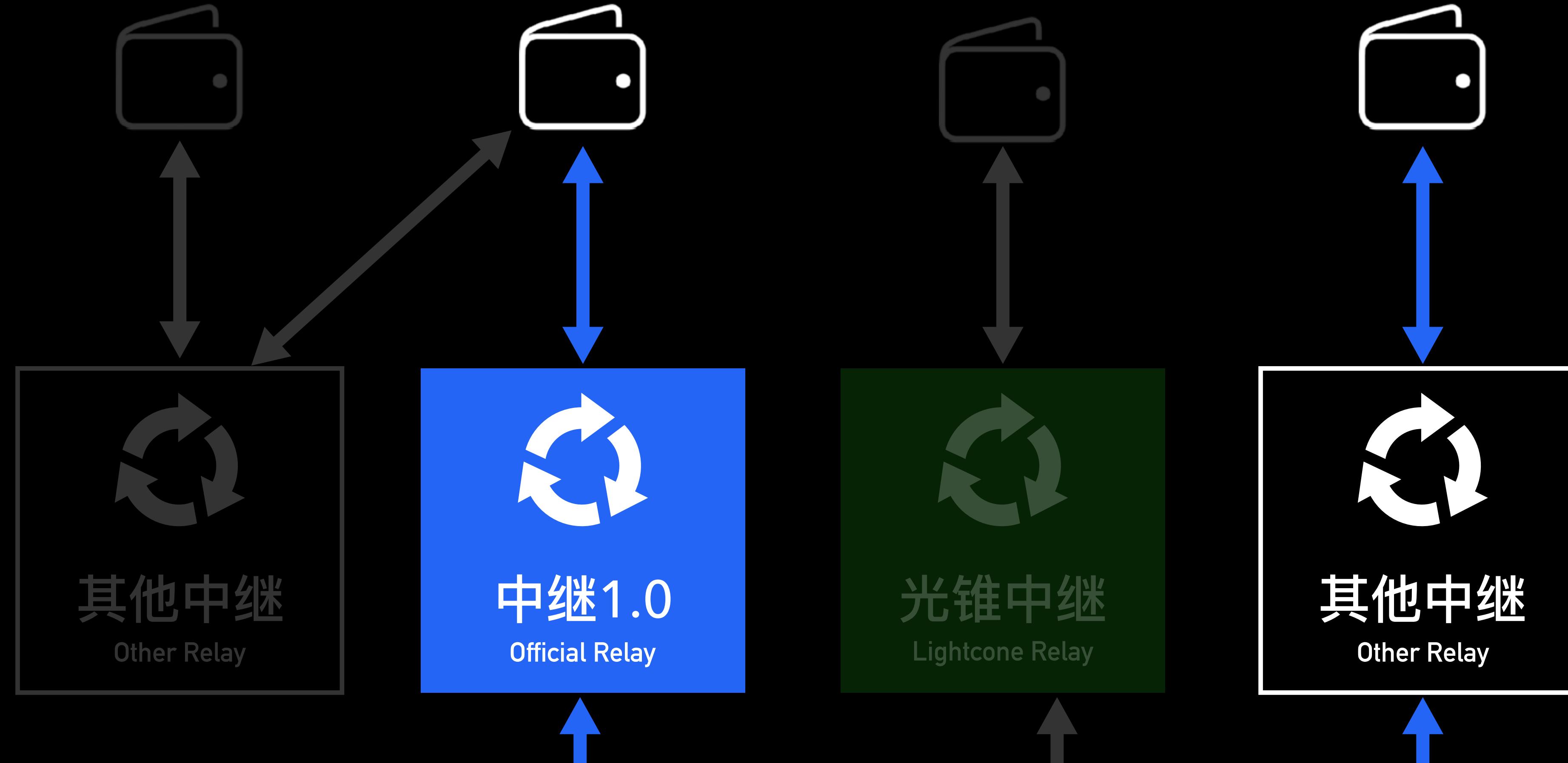
Traffic Monetization







第一层流动性共享
Level 1 Liquidity Sharing



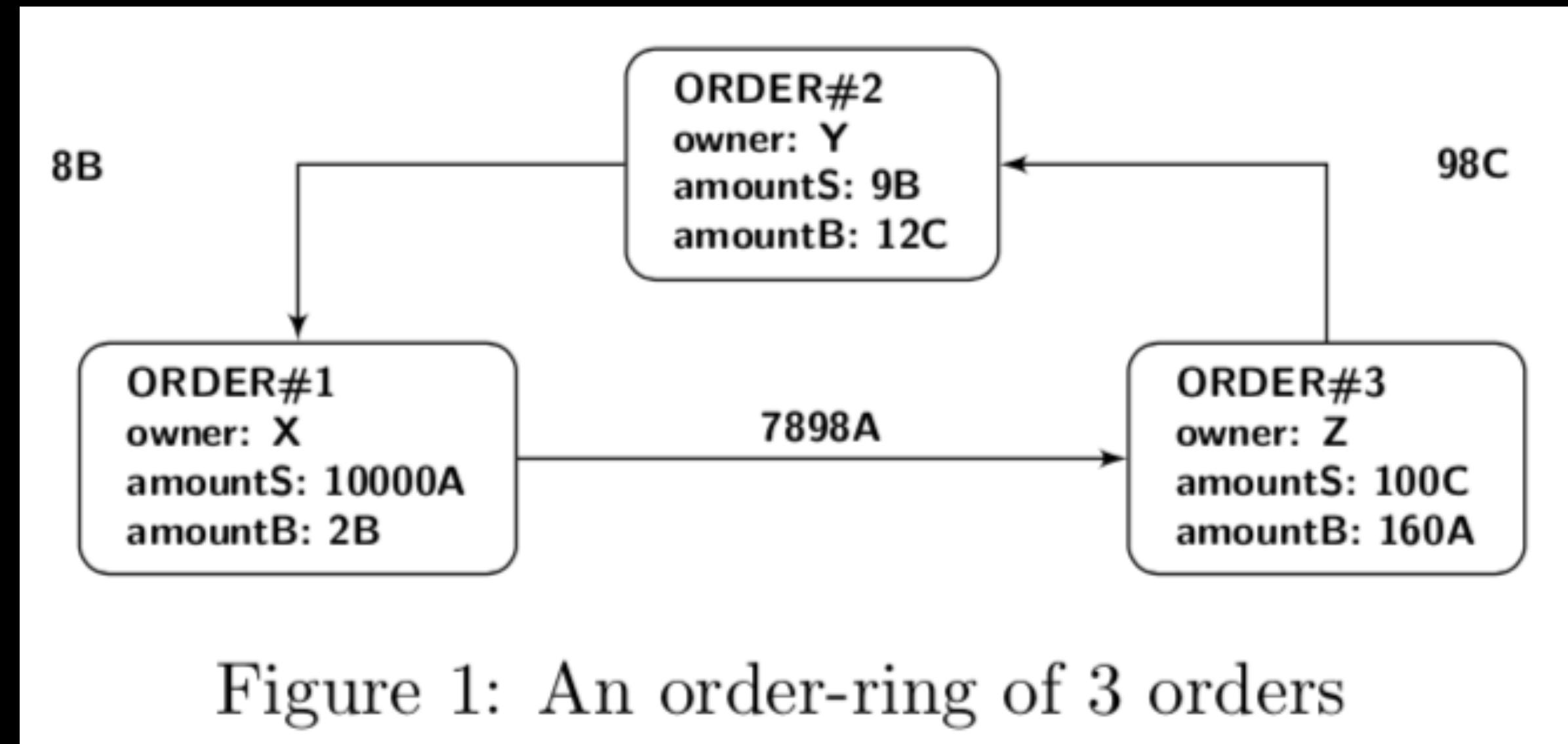
链外撮合/链上实时清算
Offchain Matching/Onchain Settlement

对称性环路多订单撮合
Symmetric Multi-Order Ring-Matching

双重验证防抢先交易称
Anti Front-running Dual-Authoring

路印1.0
Protocol 1.0

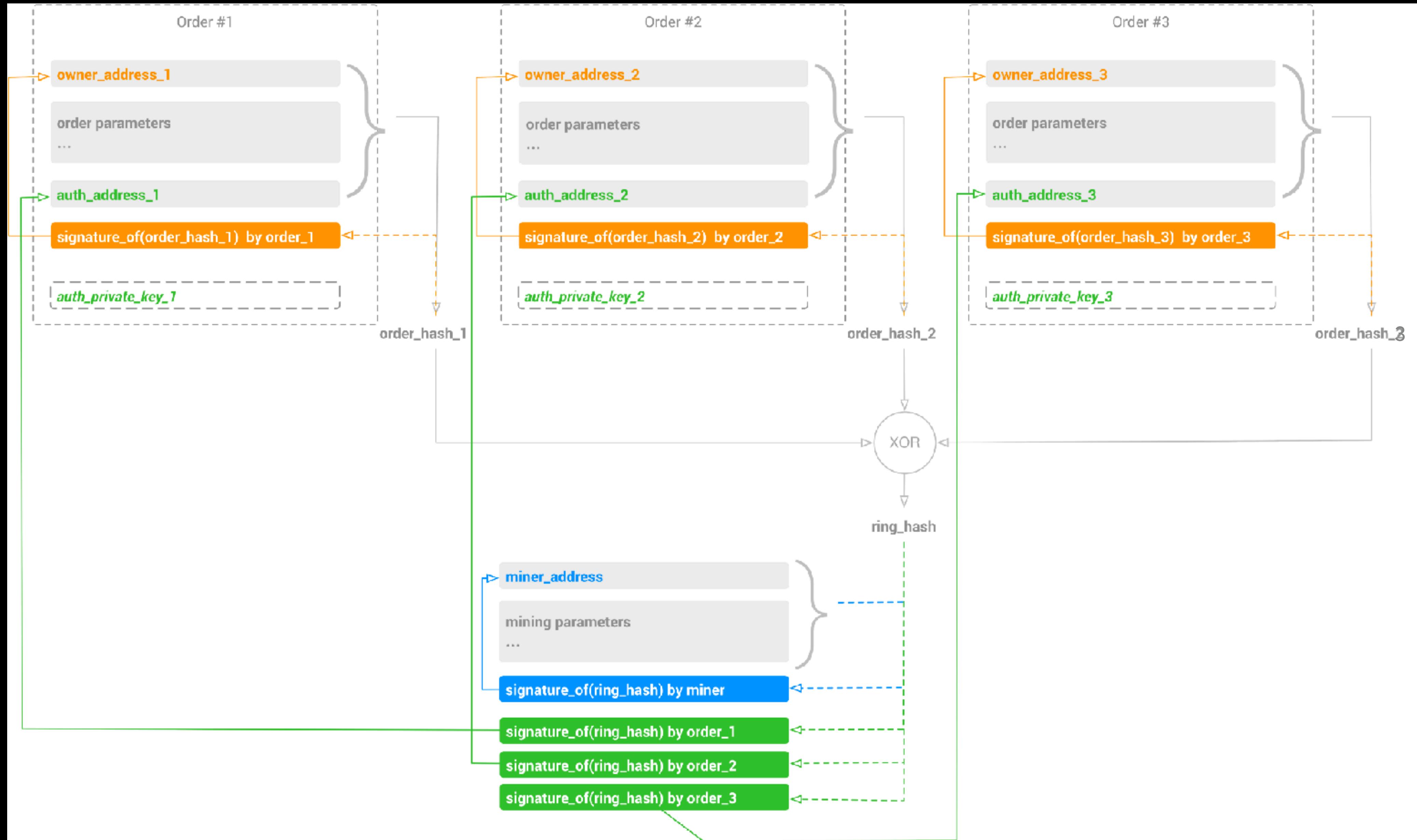
Order-rings: Matching multiple trading pairs



Dual Authoring: Front-running prevention



Dual Authoring: Front-running prevention



环路数据压缩技术

Ring Compression Technology

多环路撮合

Multi-Ring per Tx

多种订单授权方式

More Ways to Authorize Orders

支持链上订单

Onchain Orders

免申请代币自动注册

Token Auto Registration

JavaScript参考实现

JS Reference Implementation

通用签名规范

Multihash Support

可配置拦截器

Interceptor Support

更丰富灵活的费用模型

More Flexible Fee Model

路印2.0

Protocol 2.0

<https://github.com/Loopring/protocol2/wiki/Protocol-2.0-New-Features-Overview>

全新设计

Complete Redesign

路印2.0
Protocol 2.0

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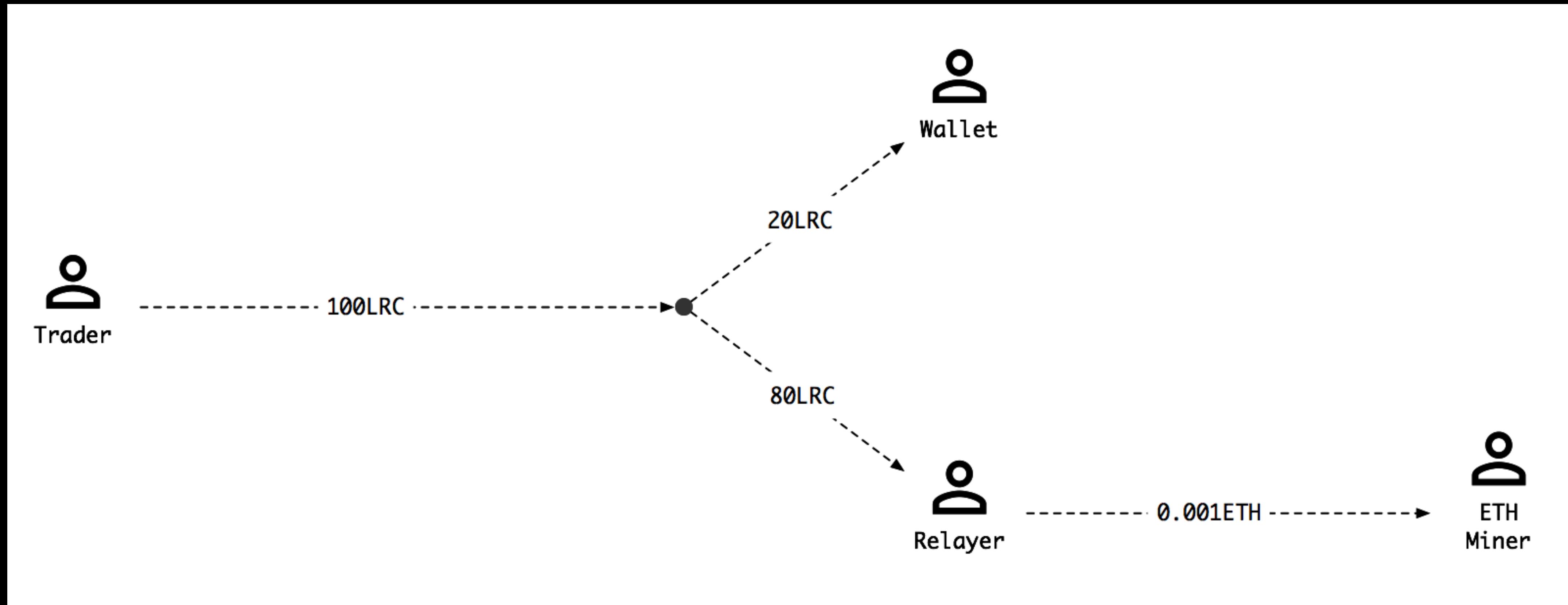
JavaScript参考实现
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通用签名规范
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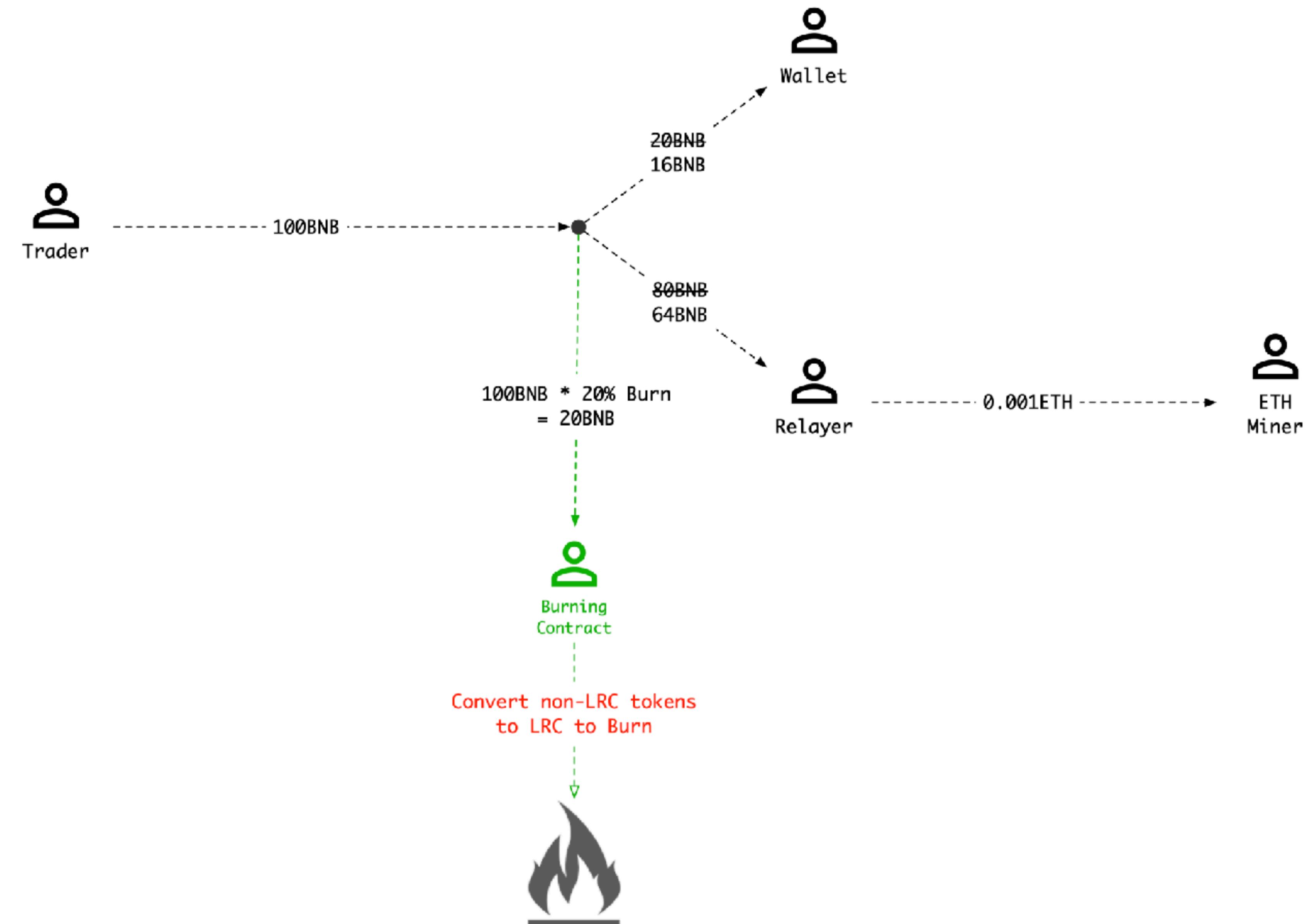
更丰富灵活的费用模型
More Flexible Fee Model

Fee Model 1.0



Fee Model 2.0

'Normal' order



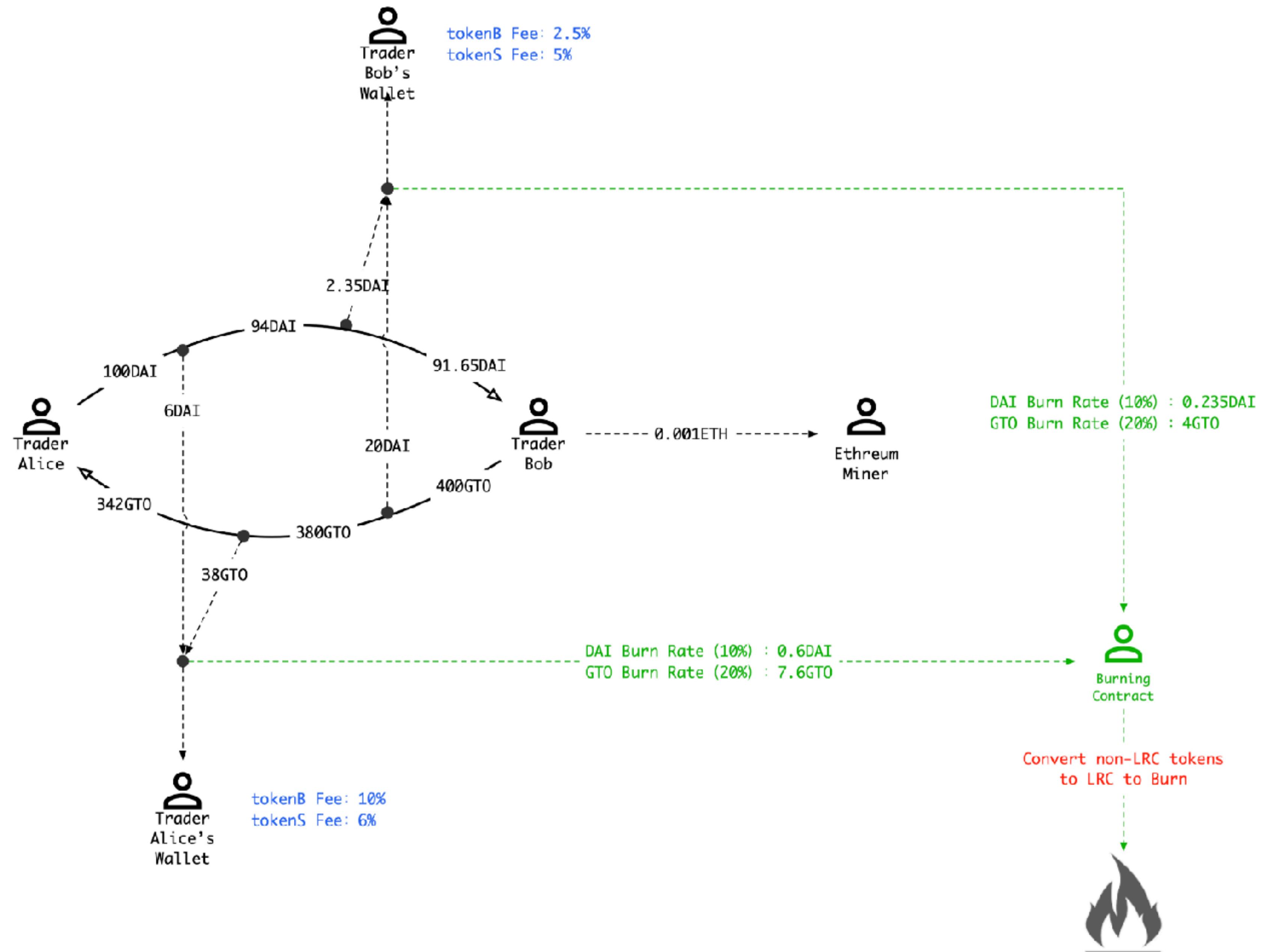
Fee Model 2.0

Burn Rates

Tiers	Tokens	Burn Rate for Normal Orders	LRC Burning Cost of Buying Down Rate to a Lower Tier for 2 Years
Tier1		LRC	5%
Tier2			0.5%
Tier3		WETH	0.5%
Tier4		Any ERC20 tokens	0.5%

Fee Model 2.0

P2P order



DEX解决方案

DEX Solutions

前端方案

Frontend Solutions

前端方案

Frontend Solutions

网页 DEX

网页 Wallex
Wallet + DEX

移动端钱包
Wallet App

开发工具包
SDK

网页 DEX

Circulr

LRC-WETH

最新成交价 0.10000 WETH 24H 涨跌 0.00% 24H 最高价 0.10000 WETH 24H 最低价 0.10000 WETH 24H 交易量 0.00 WETH

0xeba7136a36da0f5e16c6b
dbc739c716bb5b65a00

最新挂单	价格 WETH	数量 LRC	LRC 撮合费
1.01000000	20.0000	47.91000000	
1.01000000	58.0000	0.00000000	
0.20000000	29.0000	0.00000000	
0.20000000	116.0852	0.00000000	
0.20000000	3.0000	0.00000000	
0.20000000	3.0000	1.61000000	
0.14142135	13.0000	4.87000000	
0.10000000	17.4503	5.61000000	
0.10000000	1.3391	3.21000000	
0.10000000	21.0000	0.00000000	
0.10000000	21.0000	0.00000000	
0.10000000	12.0000	3.19000000	
0.10000000	12.0000	3.20000000	
0.10000000	5.0000	0.01000000	

K线图

最新成交

价格 WETH	数量 LRC	LRC 撮合费
0.10000000	0.01200000	0.0032
0.10000000	3.54962162	0.9482
0.10000000	3.54962162	0.9503
0.10000000	3.54962162	0.9495
0.10000000	3.54962162	0.9503
0.10000000	3.54962162	0.9495
0.10000000	3.54962162	0.9503
0.10000000	3.54962162	0.9495
0.09486833	0.01863390	0.0044
0.00018708	53.54160000	0.9286
0.00068151	2.40000000	0.0000
0.00068100	347.00000000	0.6700
0.00067474	620.24208040	1.2000
0.00068100	31.75162014	0.8400
0.00136000	4.41176571	0.2854
0.00136000	4.59365284	0.2972
0.00068700	1869.00000000	3.7014
0.00068744	523.00000000	1.0357
0.00068744	325.00000000	0.6436
0.00068744	350.00000000	0.6931
0.00068744	488.00000000	0.9664
0.00068744	408.00000000	0.8080
0.00068744	637.00000000	1.2615
0.00068200	253.00000000	0.4961
0.00068200	505.00000000	0.9902
0.00068200	529.00000000	1.0373
0.00068200	543.00000000	1.0648
0.00068200	543.00000000	1.0648
0.00068200	558.00000000	1.0942
0.00068200	579.00000000	1.1354
0.00068200	590.00000000	1.1569
0.00072250	52.00000000	0.1148

前端方案

Frontend Solutions

网页 DEX

网页 Wallex
Wallet + DEX

移动端钱包
Wallet App

开发工具包
SDK

网页 Wallex

Wallet + DEX

● Beta3

返回钱包

0xeba713...b65a00

● 观察模式

LRC-WETH

选择交易市场

0.00235499 ¥7.362

最新价

-97.65%

24H 涨跌

0.00235499

24H 最低价

0.10000

24H 最高价

0.05000 WETH

24H 成交量

0.00076905 ¥2.404

币安 市场行情

-0.56%

24H 涨跌

751.4

24H 成交量

买入 LRC	卖出 LRC	最新挂单	最新成交		
单价 ¥7.36		卖出价格 (WETH)	数量 (LRC)	总计 (WETH)	价格 (WETH)
0.00235499	WETH	0.04000000	1000.0000	40.0000	0.00235499
数量 0 可用		0.01047000	60.0000	0.6282	0.1
0	LRC	0.00900000	2284.0000	20.5560	0.1
0	25% 50% 75% 100%	0.00300000	17668.0000	53.0040	0.1
总计: 0 WETH ≈ ¥0	WETH 余额 0	0.00250000	13510.0000	33.7750	0.1
撮合费: 0 LRC ≈ ¥0	自定义 >	0.00236000	20252.0000	47.7947	0.1
有效时间: 1 天	自定义 >	0.00235000	3606.7685	8.4759	0.1
		0.00230000	3628.0000	8.3444	0.1
		买入价格 (WETH)	数量 (LRC)	总计 (WETH)	0.09486833
		0.10000000	0.1301	0.0130	0.00018708
		0.00035000	2146.0716	0.7511	0.00068151
		0.00010000	1715.4935	0.1715	0.000681
		0.00005100	54100.0000	2.7591	0.000681
					31.75162014
					0.00136
					4.41176571
					0.00136
					4.59365284
					0.000682
					1860
					06-21 20:04

提交订单

前端方案

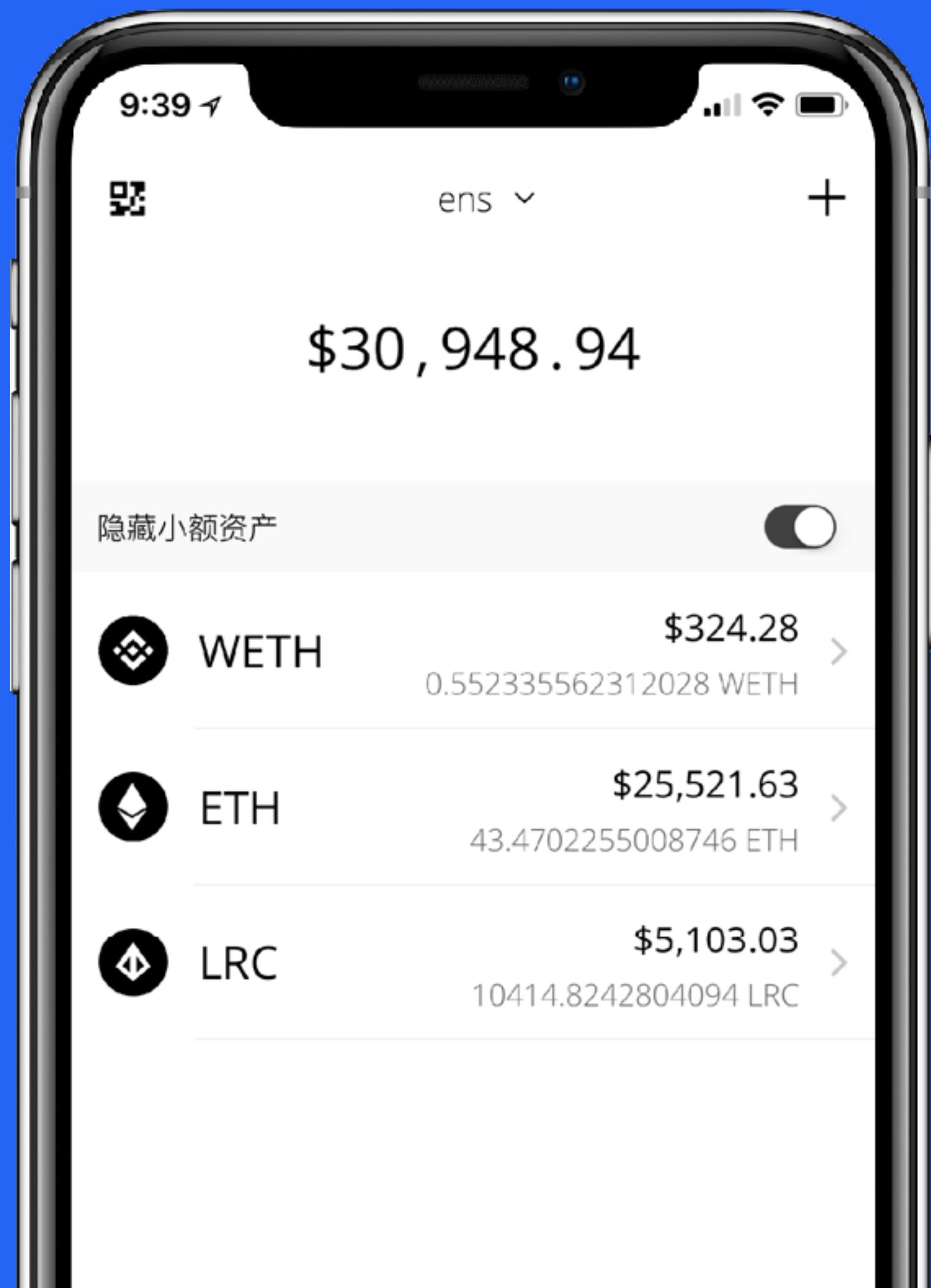
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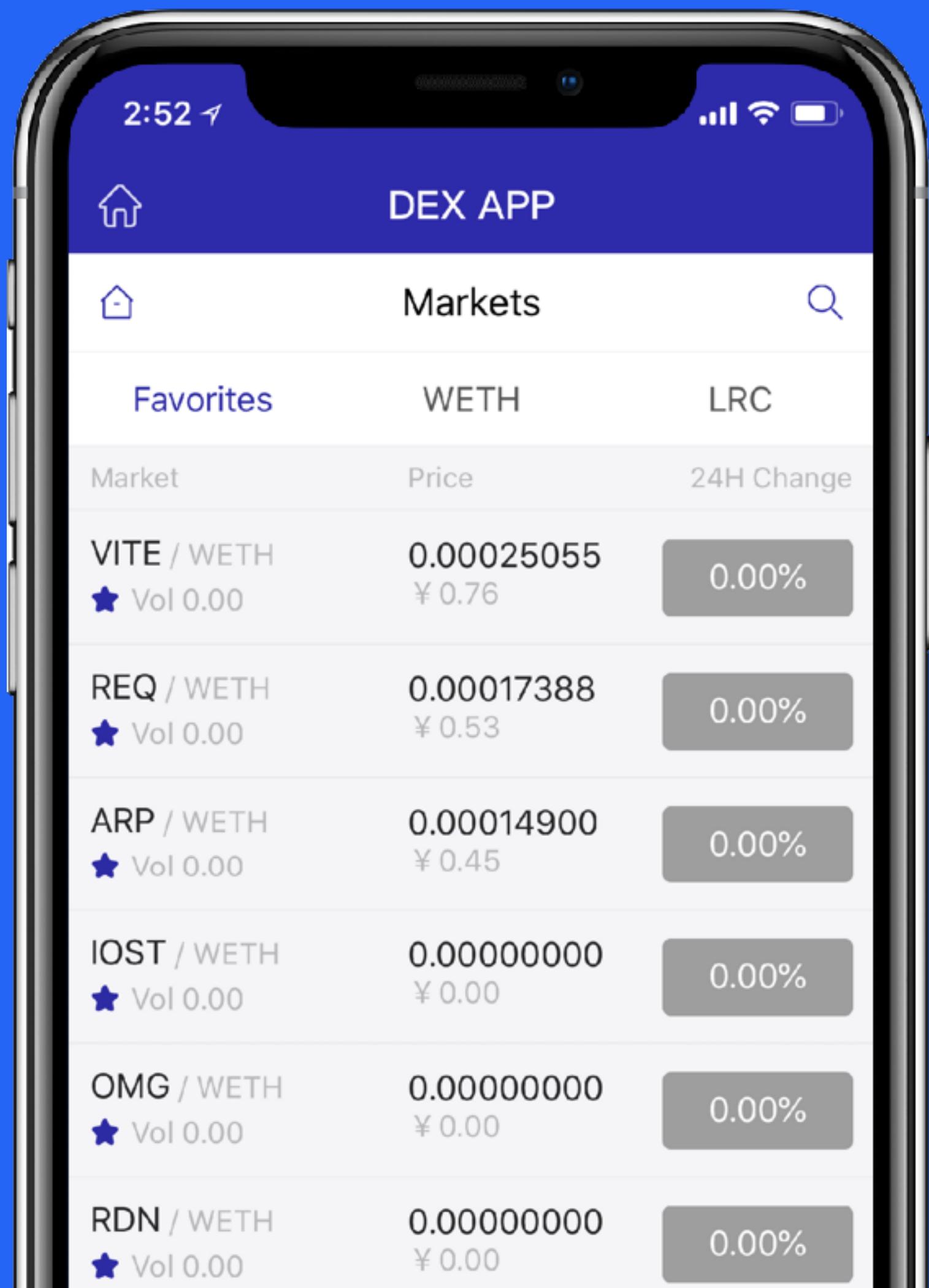


钱包

Wallet



Loopr iOS



钱包 + H5DEX
Wallet



Tokenest

前端方案

Frontend Solutions



JS SDK



iOS SDK



Android SDK

计划开源 Q4/2018

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...

还有更多
More to come

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...

助力流量变现 | 20%撮合费用

Help Monetizing Traffic

Receive 20% of Matching Fees

DEX解决方案

DEX Solutions

中继方案

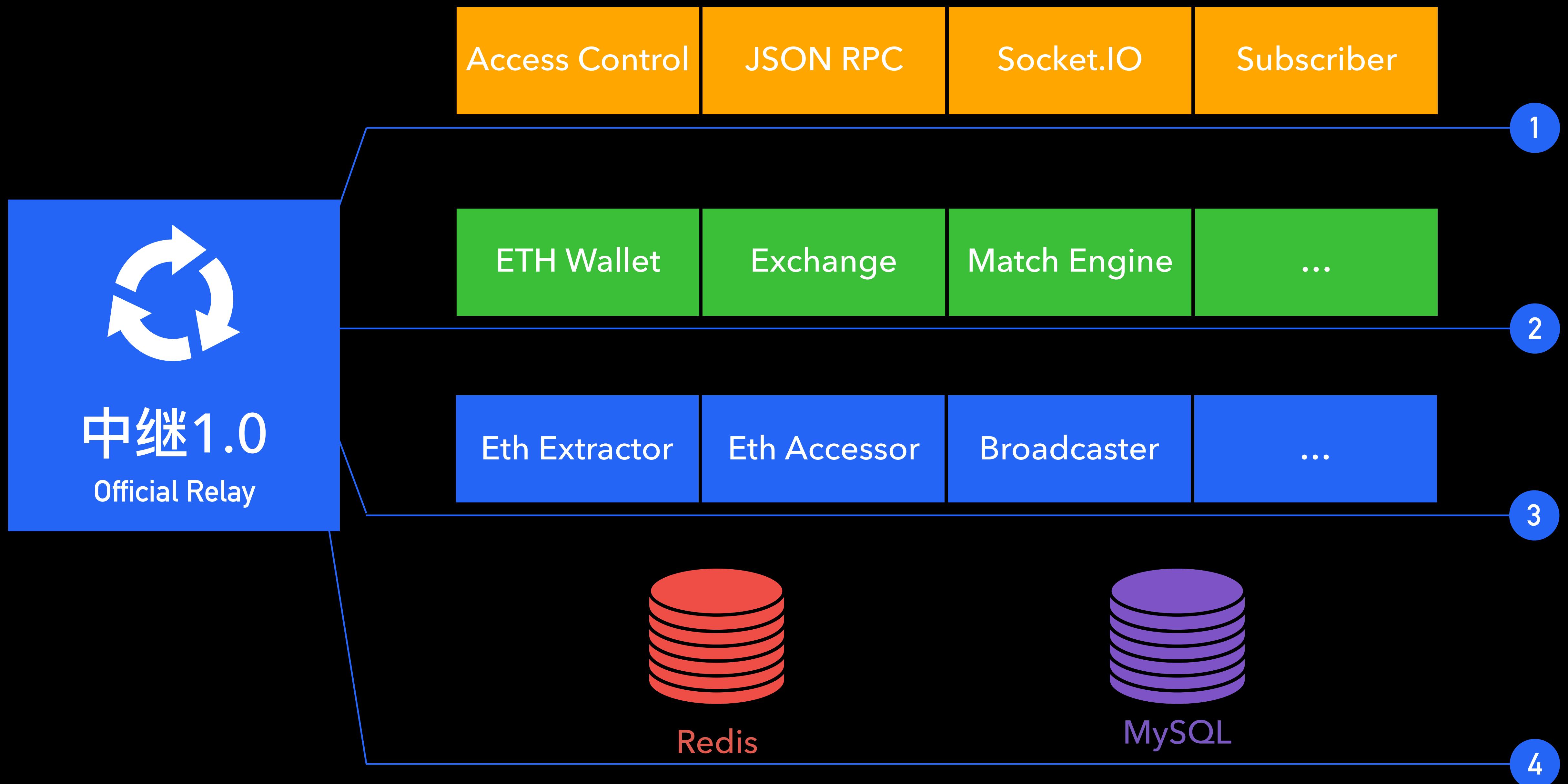
Backend Solutions

中继方案

Backend Solutions

撮合即服务

Matching-As-A-Service



中继 | AWS部署

Relay Clusters | Deployment

12 台微服务集群节点

Micro Service Cluster Nodes

15 台中间件和数据库集群节点

Middleware & Database Servers

5 台以太坊全节点

Ethereum Full Nodes

100+ CloudWatch监控点

Cloud watch monitoring points



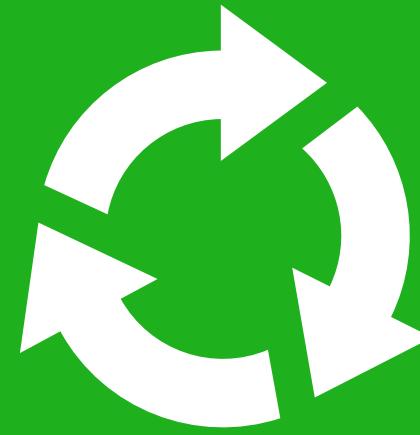
水平可扩展/10万个交易对
Scalability with at least 100K Trading Pairs

支持动态交易对配置
Add/Remove Trading Pairs without Restarts

单交易对每秒5000次撮合
5000 Matches per Second per Trading Pair

阶段性开源
Open Source in Stages

高可用商业服务
Commercial HA Services



光锥中继

Lightcone Relay

基于AKKA框架

Powered by AKKA & Event Sourcing



路印去中心化交易联盟

The Loopring DEX Alliance



路印去中心化交易联盟

The Loopring DEX Alliance

去中心化交易所/钱包
DEX & Noncustodial Wallet

去中心化交易做市商
DEX Market Makers

独立中继运营商
Independent Third-party Relayers



路印去中心化交易联盟

The Loopring DEX Alliance



每周免费上ERC20新币（协议层）

Free Weekly ERC20 Token Registration (Protocol Level)

每周免费新增交易对（中继层）

Free Weekly Listing (Relay)

非盈利/100%返利

Non-Profit/100% Revenue Share

与UpBlockchain光锥中继共享订单

Share Liquidity with UpBlockchain Lightcone Relay Cluster

免费咨询和技术支持

Free Consulting and Technical Support

开发者入口

Developer Portal

The screenshot shows the Loopring Developer Portal homepage. At the top, there's a navigation bar with links: ABOUT, LEAF, TEAM, RESOURCES, DEVELOPER PORTAL (which is highlighted in blue), NEWS & UPDATES, and a button labeled LOOPRING WALLET. Below the navigation, there are links for OVERVIEW, PROTOCOL, DOCUMENTS, and FAQ. The main content area has two large sections: "DOCUMENTS" and "PROTOCOL". The "DOCUMENTS" section contains a sub-section "FRONTEND" with a list of links to GitHub repositories. The "PROTOCOL" section lists three links to GitHub repositories. To the right, there's a "TABLE OF CONTENTS" sidebar with categories: Protocol, Frontend, Backend, Miscellaneous, and Contact Us.

ABOUT LEAF TEAM RESOURCES **DEVELOPER PORTAL** NEWS & UPDATES LOOPRING WALLET

OVERVIEW PROTOCOL DOCUMENTS FAQ

DOCUMENTS

Below is documentation for various topics. These documents are hosted on GitHub and are constantly updated.

PROTOCOL

- [Loopring whitepaper](#)
- <https://loopring.github.io/protocol>: the Loopring Protocol implementation on Ethereum.
- <https://loopring.github.io/neo-protocol>: the Loopring Protocol implementation on NEO.

FRONTEND

- <https://loopring.github.io/loopring.js>: the Loopring Javascript library built for accessing the Loopring Protocol.
- <https://loopring.github.io/loopr>: web-based Loopr wallet.
- <https://loopring.github.io/circulr>: web-based DEX frontend circulr.
- <https://loopring.github.io/h5dex>: embedable DEX solution h5dex.

TABLE OF CONTENTS

- Protocol >
- Frontend >
- Backend >
- Miscellaneous >
- Contact Us >

loopring.org/developers