

Technical progress of Dimension (2019Q4-2020Q1)

Dimension R&D tasks **completed as scheduled**

No.	Modules	Task	ETA	ATC	Progress	Memo
1	CHAOS Framework	DynamicNode development	2019.12.10	2019.12.07	100%	Online
2		ConsensusX development	2019.12.30	2019.12.25	100%	Iteratively developed POW-C
3		HPoS	2020.1.10	2020.1.8	100%	HPoS-1/2/3
4	Middleware Framework X-Gen	Voting proposal	2020.11.30	2020.12.2	100%	Online
5		Construction of middleware framework	2019.12.20	2019.12.18	100%	Supported Chaingame
6		Unified accounts	2019.12.20	2019.12.23	100%	Supported Chaingame accounts
7		Token payment channel	2019.12.25	2019.12.23	100%	Supported EOS/ETH
8	Industry application	Payment monitoring tracking	2020.1.10	2020.1.8	100%	Continuous iteration
9		In-depth participation in Chaingame cooperation	2020.1.20	2020.1.20	100%	Docked game legend
10	R&D relative	Technical iterative update test network	2020.1.27	2020.1.27	100%	Three features have been updated
11		Github continually updated	2020.1.27	2020.1.27	100%	Technology community growth
12		6 technical column serials	2020.1.27	2020.1.27	100%	Landed on Technology Planet

C.H.A.O.S technical characteristics

➤ **Dynamic Node**

After the proposal is approved, the nodes can join and exit flexibly, and the test passes.

➤ **ConsensusX**

The consensus switching mechanism is implemented for two types of scenarios (pre-made algorithms and custom algorithms), and the test passes.

➤ **HPoS**

Prefabricated 3 types of hybrid consensus algorithms HPoS-1 / 2/3 can choose the optimal hybrid consensus solution according to the application field's consideration of time and security for block verification, and the test passes.

➤ **Proposal voting mechanism**

The implementation node or the governance committee initiates the proposal, participates in the voting of the proposal through the verification node, executes the entry or exit of

the node according to the result of the proposal, and the consensus switching action.

Dimension application middleware framework X-Gen

➤ **Middleware framework construction**

Initially completed the first stage of the middleware framework X-Gen construction, each module in the framework can be flexibly plugged to adapt to different application requirements. The first stage aims to achieve account management, token payment, etc. At the same time, the middleware accesses the chain tour Chaingame platform and supports the chain tour platform operation.

➤ **Unified account management**

Users can quickly register a joint account with one click, while supporting the binding of other platform accounts, and supporting unified account management for the Dimension ecological application.

➤ **Token payment channel**

Develop fast payment channels for mainstream tokens, allowing users to quickly implement on-chain payments after multiple security checks. Currently, payment channels have been connected to mainstream token payments such as EOS and ETH.

➤ **Payment monitoring and tracking**

The component implements the periodic automatic verification of on-chain payment transactions. When abnormal transaction data is found, the system intervenes to analyze and provide a correction plan to support chain gaming payment operation requirements.

Dimension deeply participates in chain game cooperation

Dimension will self-developed the payment and account module of X-Gen, a middleware framework, to support Chaingame's implementation of the chain game token payment scenario. At present, it has successively accessed the token payment modules such as the legend of the golden age and the national artillery battle. The account management and payment module operates smoothly, and plans have been adjusted and repaired for some issues such as delayed confirmation of transactions on the chain.

Project technology related

- The main network test network is stable, and the three major technical features are updated iteratively to the main network.
- Github of the project is kept stable and the number of users participating in the community continues to increase
- The official website community serialized 6 technical columns of *CHAOS Technology Planet Landing Plan* and 4 industry technology observation shares

Dimension project planning is implemented as planned

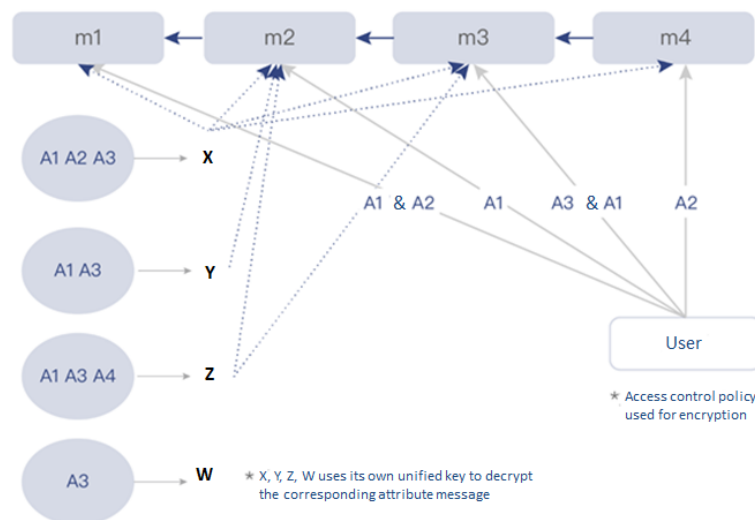
No.	Modules	Task	ETA	Progress	Memo
1	CHAOS Framework	ConsensusX	2020.4.10	30%	Supported POW-C
2		PrivacyPro	2020.4.24	55%	Attribute-based privacy protection scheme
3		Testing the mainnet iteration	2020.5.1	5%	Iterative updated
4	Middleware	Token payment channel (2)	2020.3.20	60%	Supported platform currency and wallet
5	Framework X-Gen	Chaingame data monitoring	2020.4.10	20%	Supported abnormal data alarm
6		Smart contract management	2020.4.24	10%	Set up contract audit
7	ChainGame Platform	Chaingame inventory upgrade	2020.4.24	10%	Chaingame Key attribute increased
8		Chaingame distribution iteration	2020.4.24	25%	Dynamic distribution and information statistics
9	Industry application cooperation	Customs cross-border service platform (1)	2020.6.19	10%	Technical specifications and schemes are being developed
10		Cross-border traceability platform	2020.5.29	10%	Completed data on-chain traceability

ConsensusX

- Iterative research and development and implementation of consensus POW-C supporting proof of computing power.

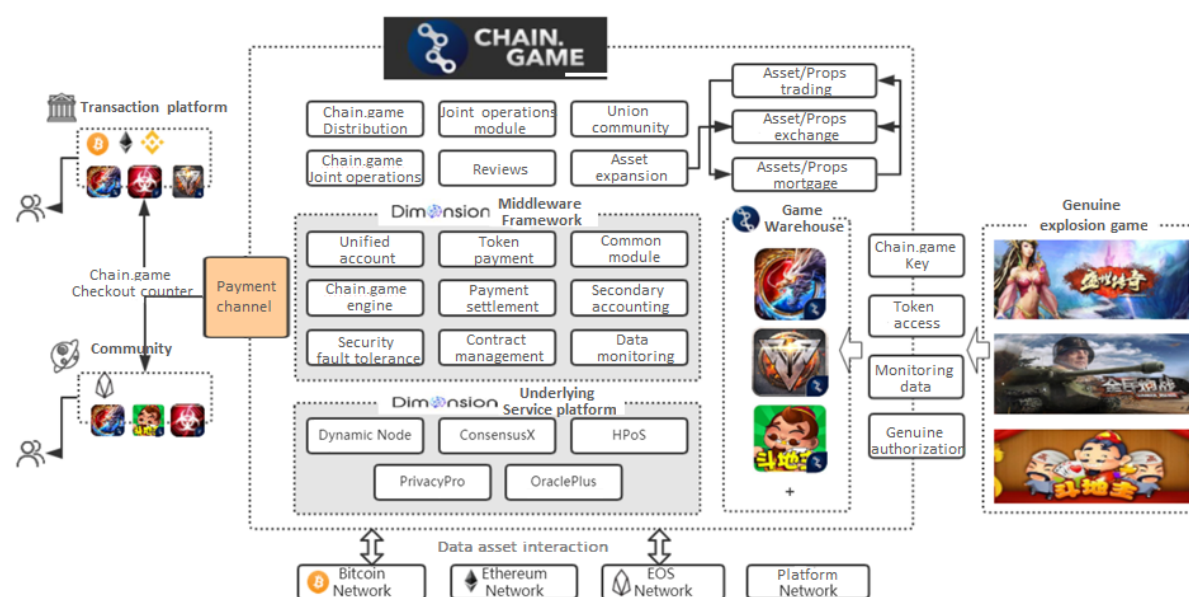
PrivacyPro

The weak-center password authorization scheme based on attribute passwords dispersed the previously centralized authority to multiple centers, while decentralizing power and enhancing security, because it addresses a single point of bottleneck.



Application middleware framework X-Gen

- payment channel and support the docking of tokens on mainstream trading platforms
- Iterative upgrade of chain game distribution system and chain game library
- Develop data monitoring and contract management components to enhance the operational security of chain games

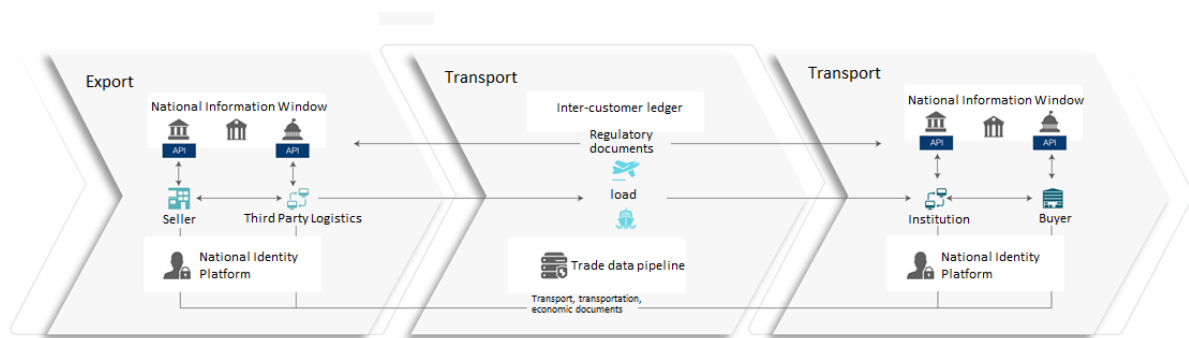


Industry application cooperation

- **Technical standards for customs cross-border services**

Based on the Dimension blockchain underlying service platform, it cooperates with the General Administration of Customs on cross-border service platforms. Through the unified window and multi-side chain solution, the main chain supports low-density services such as online orders, insurance, and ocean freight, and the side chain supports high-density interactions such as product manufacturing and retail distribution, efficient data

transmission and secure sharing.



➤ Cross-border traceability of agricultural products

Establish a trusted source tracing platform for smart agricultural products. With the help of a distributed account on the blockchain, all agricultural products can be registered on the chain from planting, picking, transportation, customs declaration, food quarantine, listing, and sales. Full traceability, trusted inquiry.

