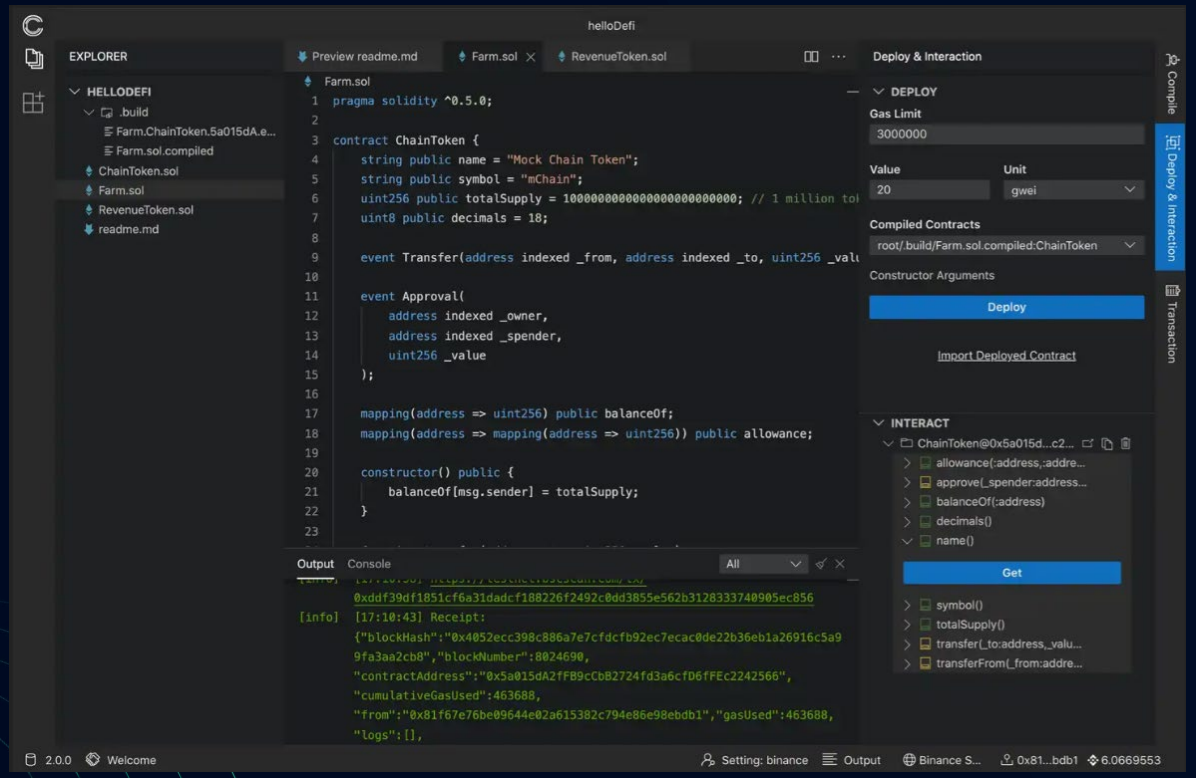
Multichain Cloud DApp IDE

Content

Part 01

Overview of ChainIDE

What is ChainIDE



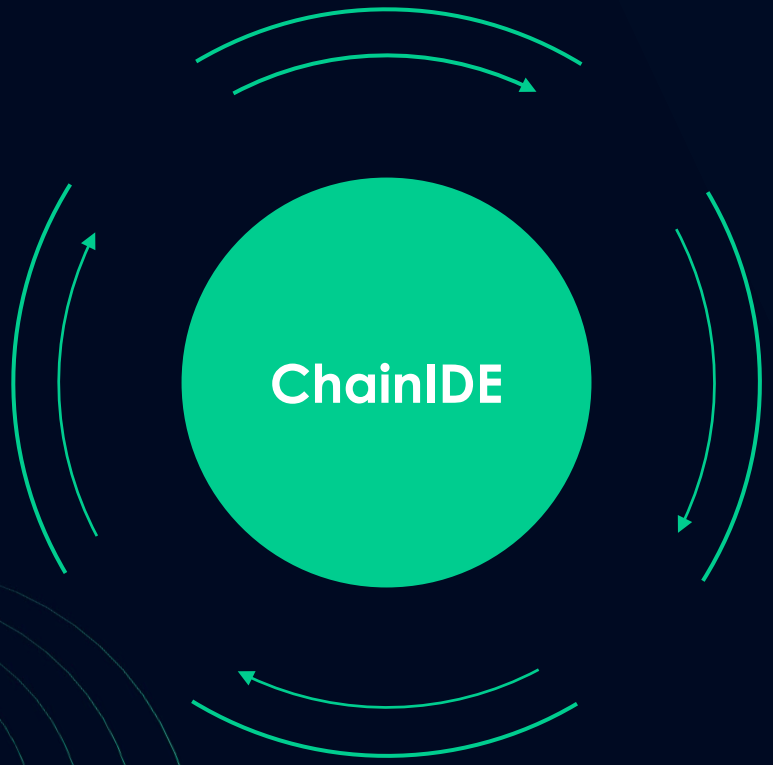
A cloud blockchain IDE for smart contracts and DApps, which can be deployed on Polygon Ethereum, BSC, Dfinity, Conflux, Flow equivalent or heterogeneous blockchains.

01 Simple Interfaces

02 Multichain support

03 Web-based

ChainIDE Features



Cloud-based: writing a DApp in the browser

Development, debugging, and deployment in one place

Multichain support

Consortium:

Public:

polygon

Product Comparison

01

Remix

- Simple and easy to use; browser-based; one-click deployment and debugging.
- Rich features for Solidity

- EVM only IDE
- No backend, running in the browser (e.g. cannot use npm/node runtime)

02

VSCode

- Most popular desktop IDE
- Biggest user-base, a lot of useful plugins

- For general purpose
- Requires complicated configuration before starting the development

ChainIDE wants to bring

Easy Development

Developers can easily use ChainIDE for development. Users, regardless of whether having a solid development background or not, can easily build complex functional applications through IDE templates.

Customization

ChainIDE provides customized features for different blockchains to meet developers‘ needs in different scenarios.

Ecosystem

Besides IDE, we want to bring more useful services and hold more activities help more developers to build and incubate their applications.

PART 02

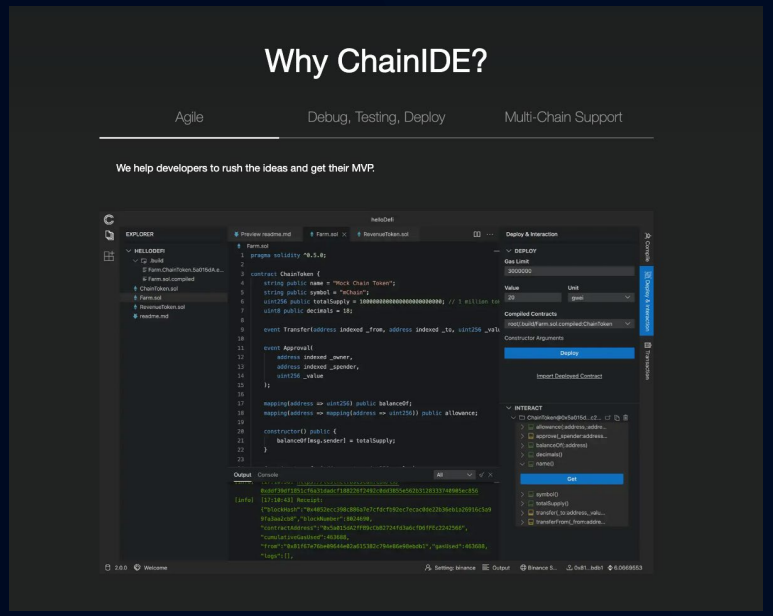
ChainIDE's functionalities

Functionalities

Swift

Simple

Smart



File System

Editor

File Preview

Sandbox

Compile

Deployment &Interaction

Plugin System

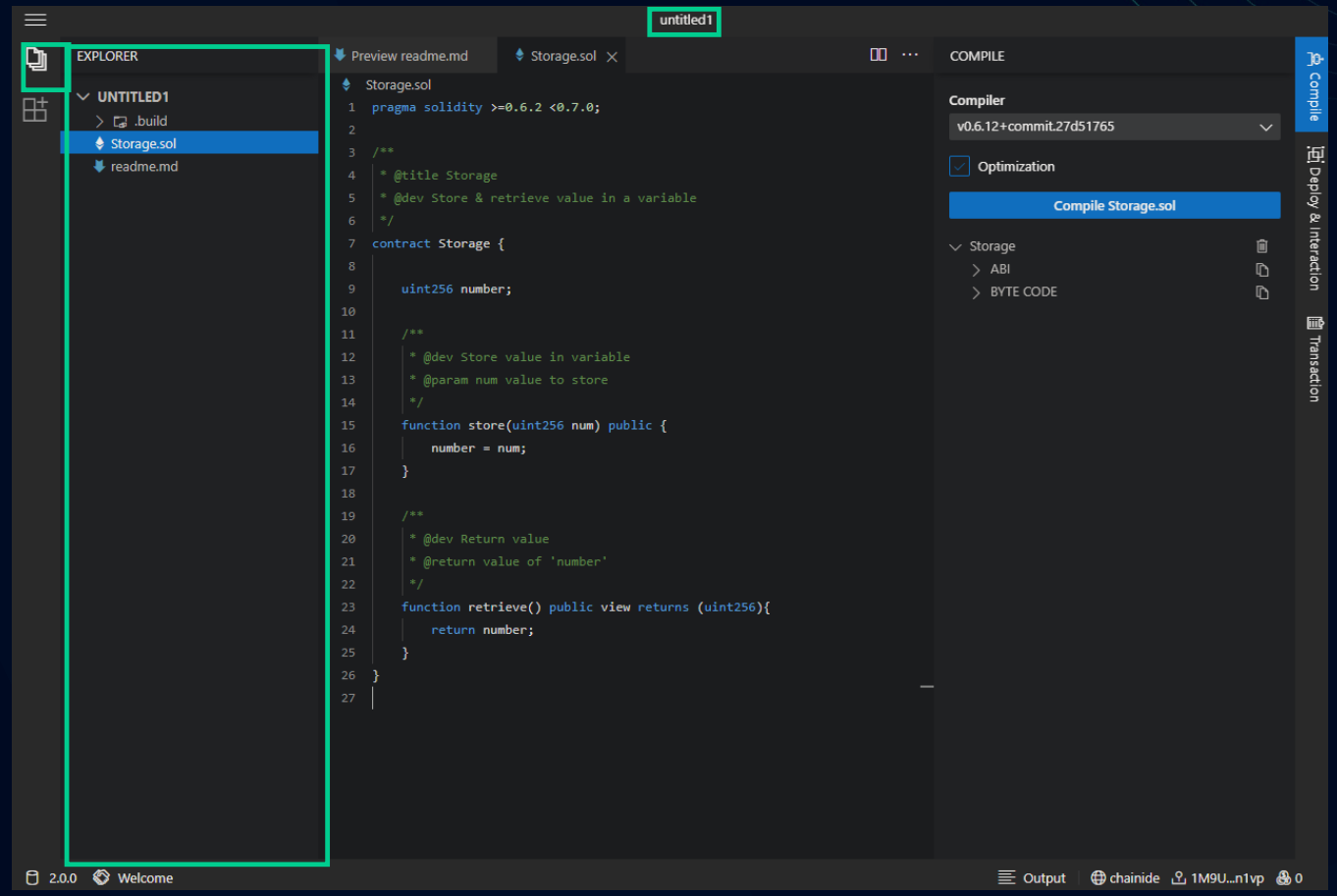
Testnet

File System

01 File Explorer

02 Create, Rename, Update, Deletion

03 Import and download the whole project

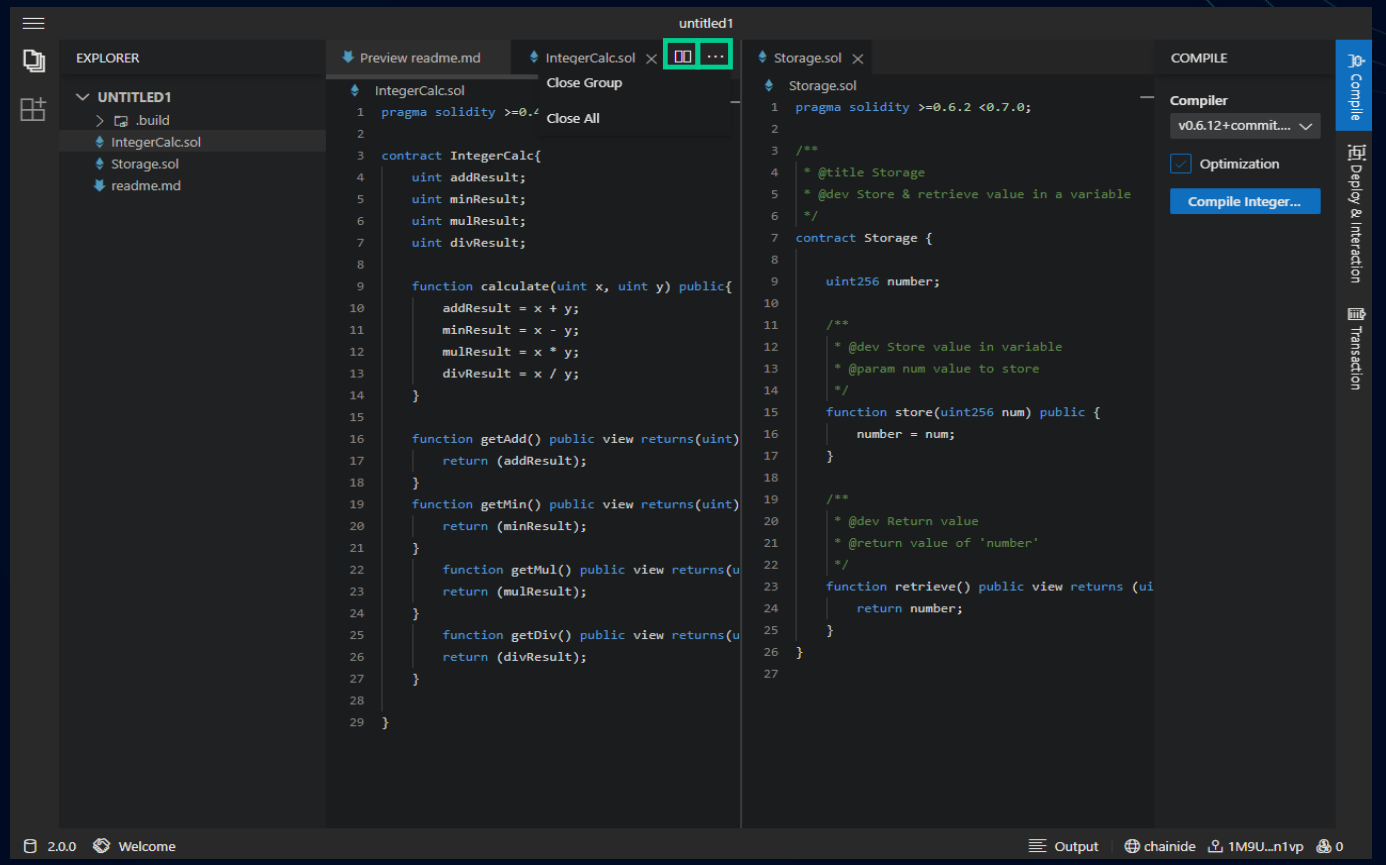


Editor

01 Split Tabs

02 Syntax highlighting

03 Auto-save

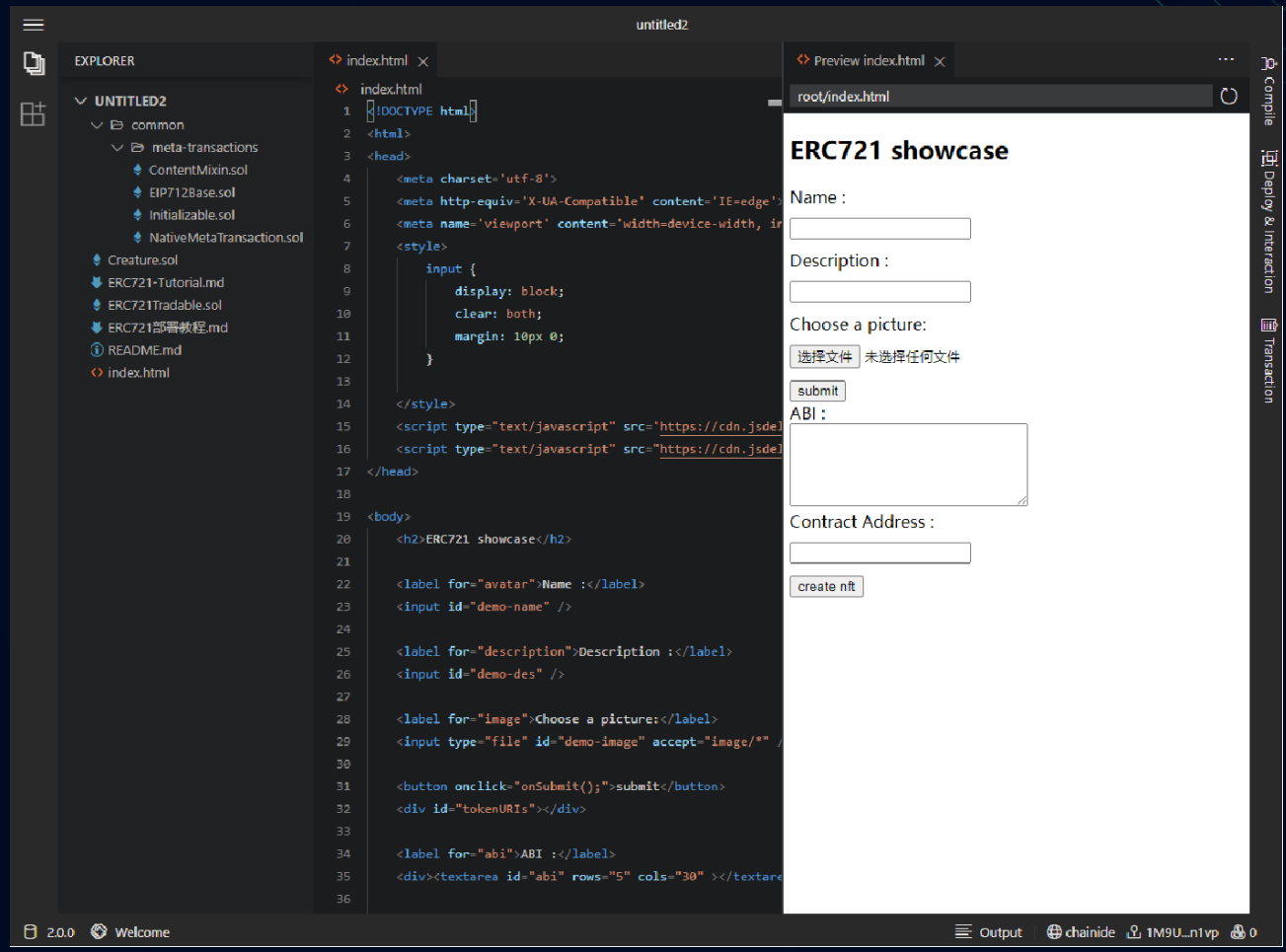


Preview

01 Interactive

02 Supported languages: HTML, JS, JSX, Markdown

03 React/Vue and Node support incoming.

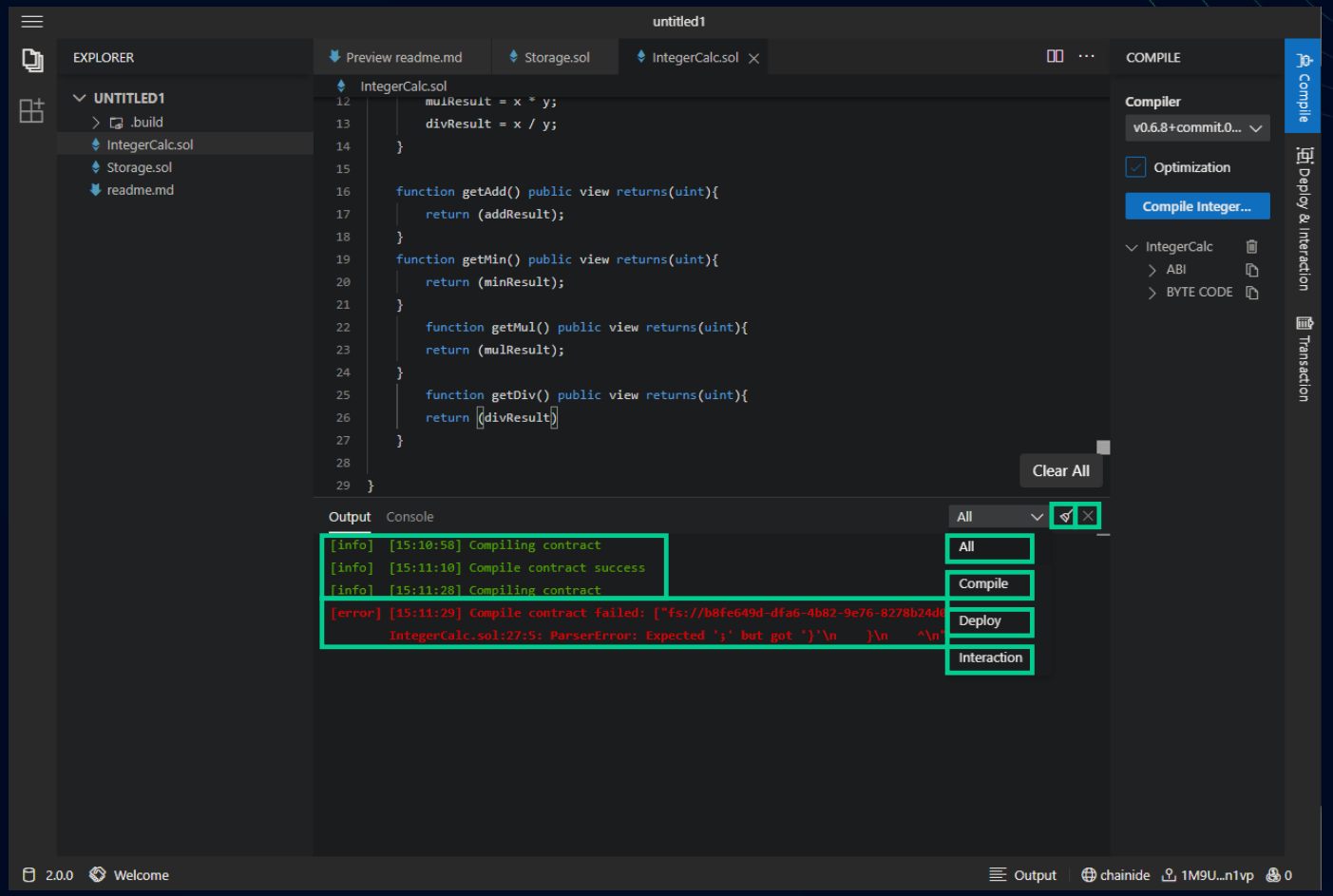


Log Console

01 Multiple log windows

02 Blockchain related logs

03 Interactive Shell + Sandbox incoming



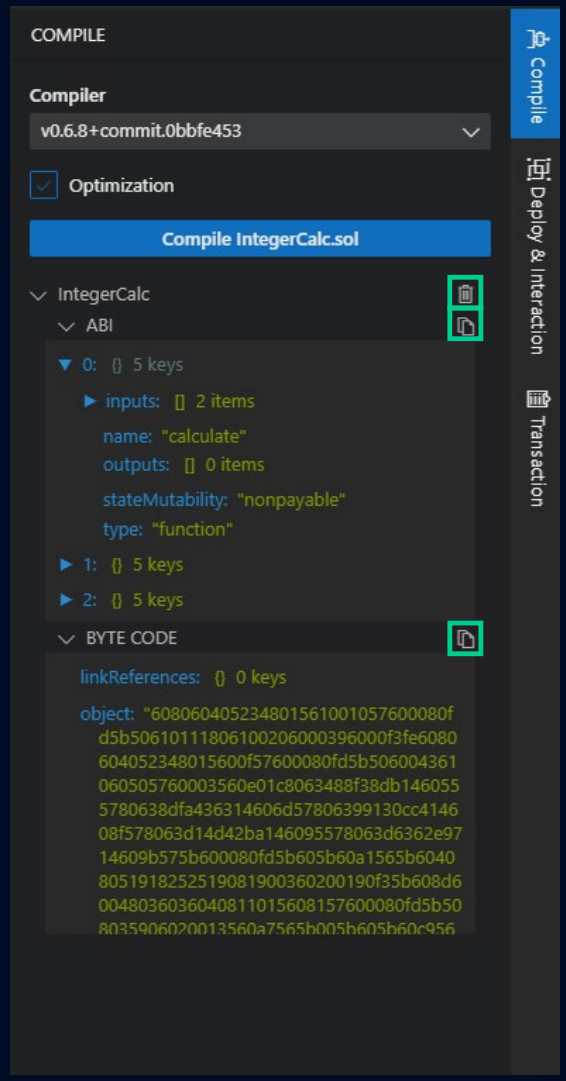
Compiler (Solidity)

01 Multi-version compiler

02 Contract Info:

1.ABI

2.Byte Code

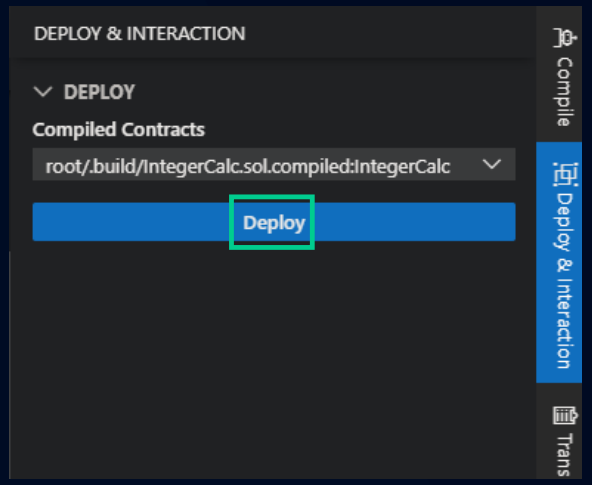


Deplyment & Interaction

01

Deployment

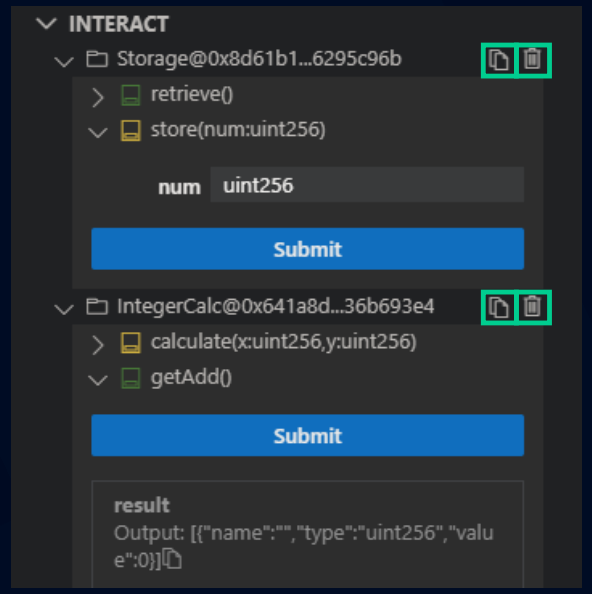
1. deploy to designated blockchain networks
2. Imporing external deployed contracts.



02

Interaction

1. Invoke functions with ABI and address
2. View the Output

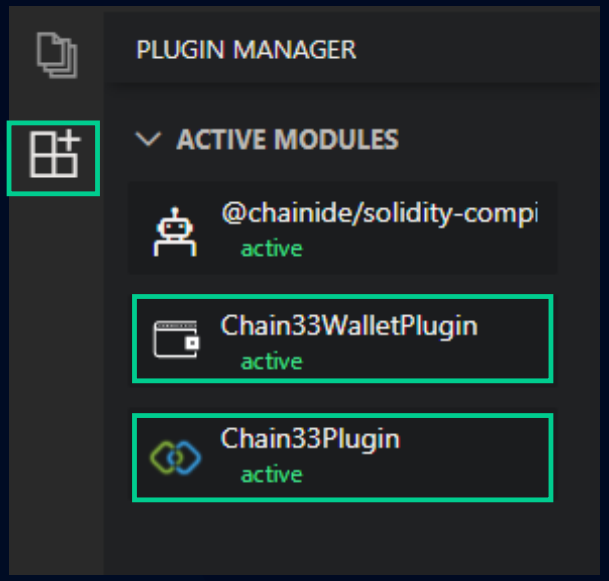


Plugin System

01 Official and community plugins

02 Different plugins for different blockchains and use-cases

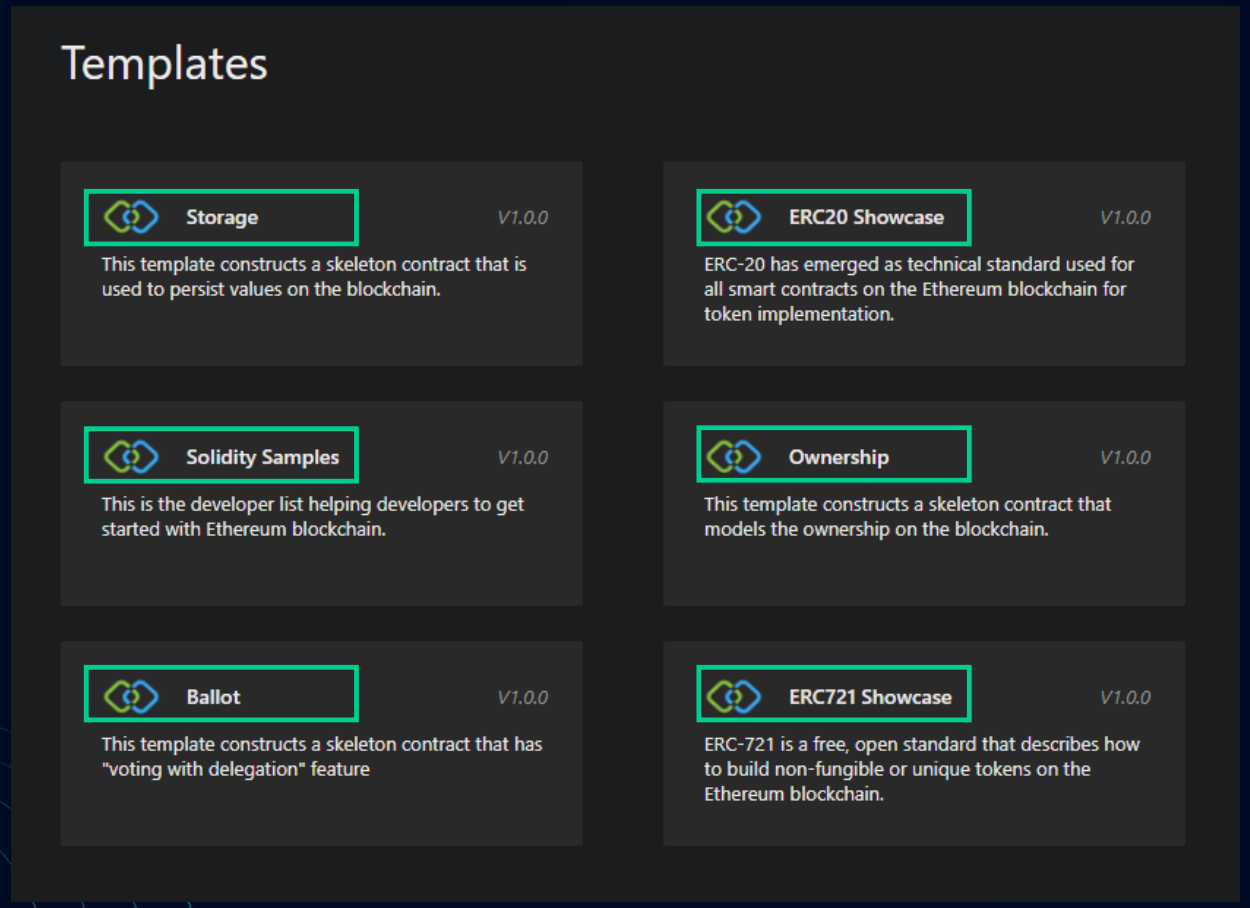
03 Open-source plugin templates.



PART 03

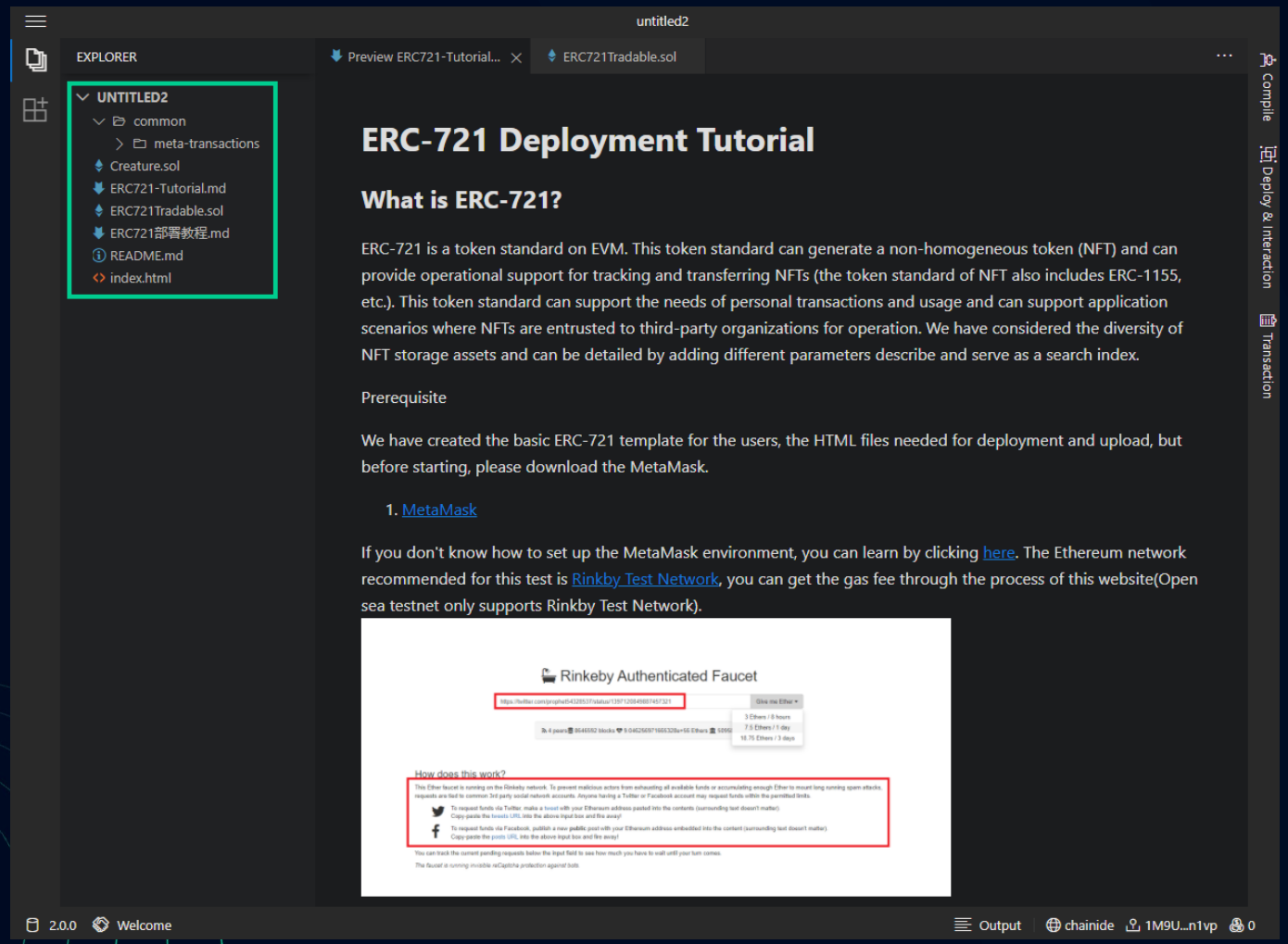
Services and Ecosystems

Templates Market



Provide templates such as Storage, ERC20 Showcase, ERC721, voting system, etc.,

NFT Game Tutorial

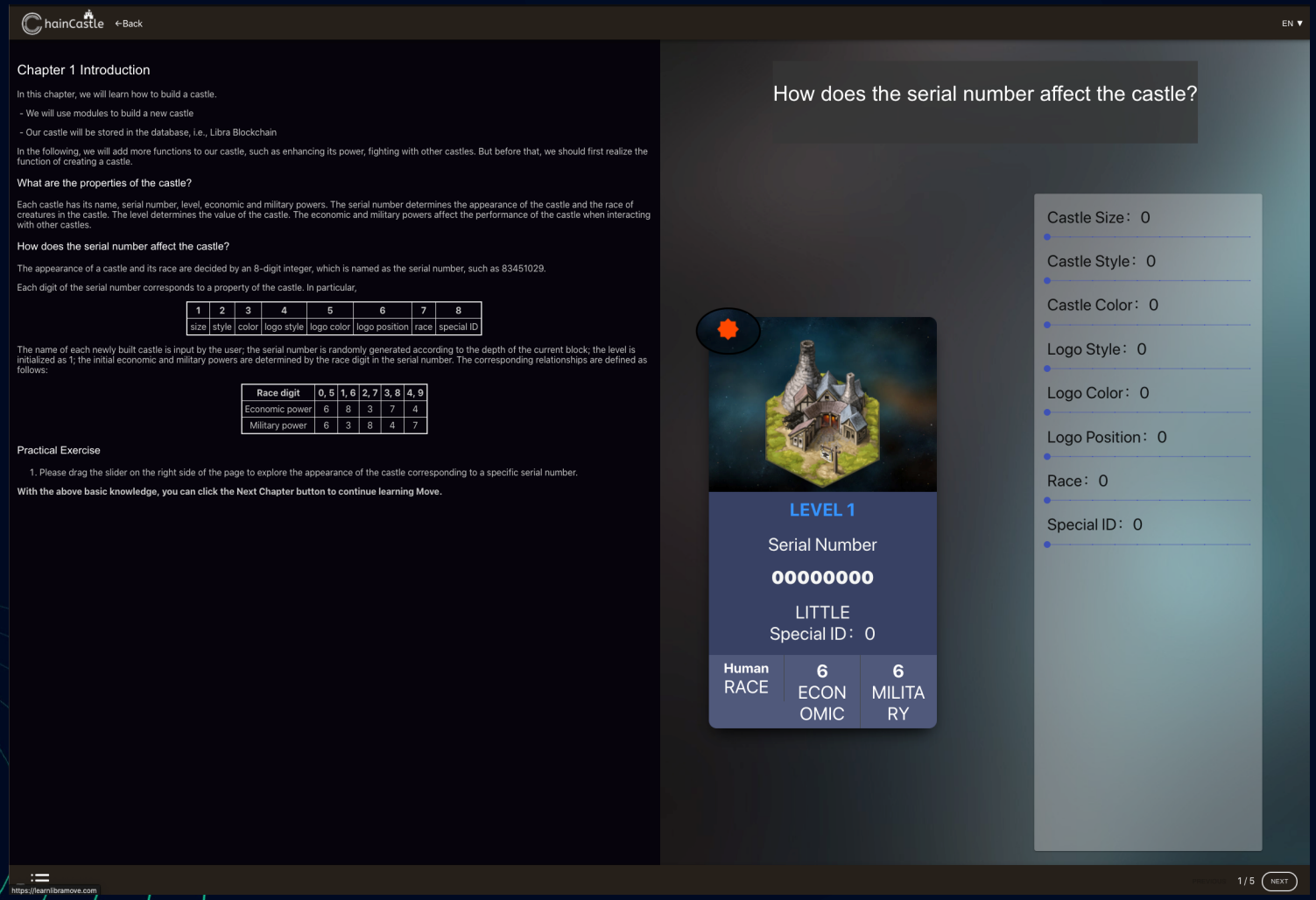


01 ERC721 Introduction

02 NFT Tutorial

03 Full front and backend tutorial of building a NFT Game.

MoveCastle Interactive Tutorial



MoveCastle

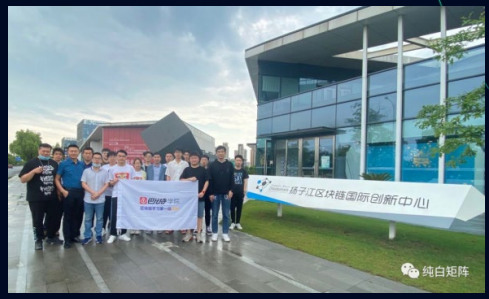
- Gamification Learning process
- Online tutorial

ChainIDE Forum

- Forum for discussion and
- Weekly online seminars
- Application ideas

Developer Activities

Offline Activities

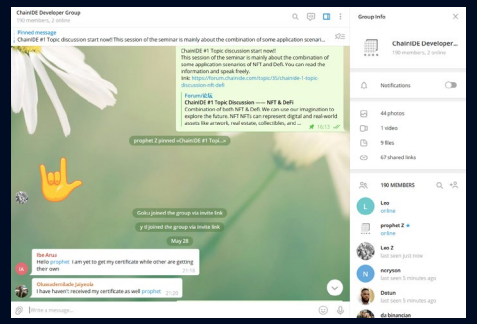


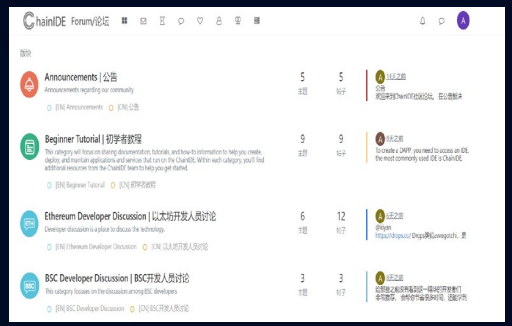
Online classes

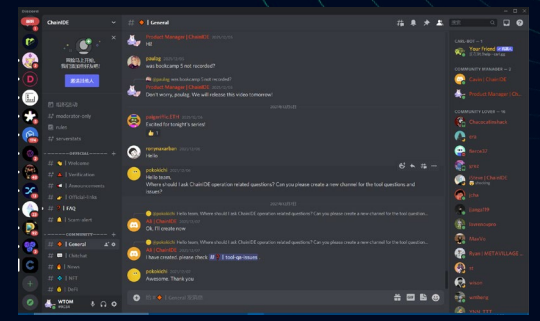
Hackerthon

Developer Ecosystem

Forum & Community







Partners

DFINITY

BINANCE SMART CHAIN

ethereum foundation

Social Media

Twitter, Medium, Youtube, Tiktok

Supporting Services/Solutions

ChainBase – Managed DApp frontend and backend hosting solution:

- Frontend hosting;
- Backend hosting;
- NFT media hosting and CDN;
- Auth and Identity;

ChainSync – Managed data synchronization and enhancement service:

- Sync blockchain events and onchain data to offchain store;
- Enchance synced data;
- Trigger offchain function/service call via onchain events;

Products built with ChainIDE

- RiverMen
- Mirror World
- Matrix World

Part 4

Towards the Future

Towards Web 3.0 Services

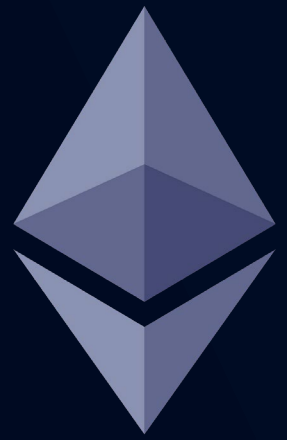
01 Everything on the Cloud

02 Infra-less

03 Decentralization/Multi-central, more interactions and connections

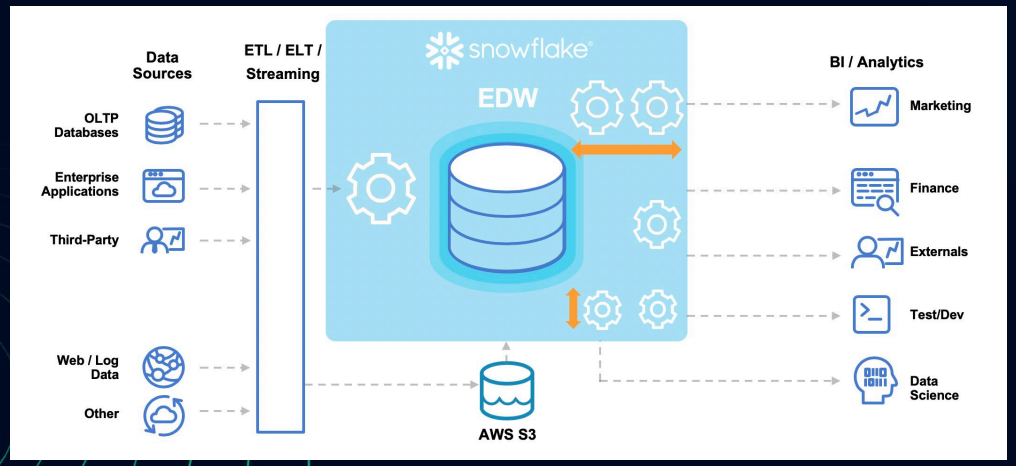
Infra-less

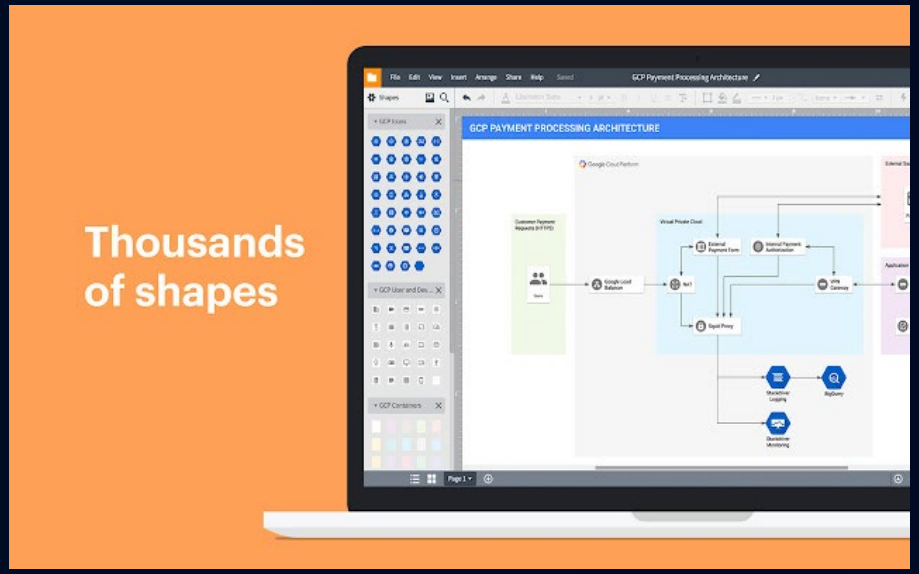

Google docs




IPFS


STADIA


Data Sources
ETL / ELT / Streaming
snowflake
EDW
BI / Analytics
OLTP Databases
Enterprise Applications
Third-Party
Web / Log Data
Other
Marketing
Finance
Externals
Test/Dev
Data Science
AWS S3


Thousands of shapes
GCP PAYMENT PROCESSING ARCHITECTURE

Infra-less in ChainIDE -- Sandbox

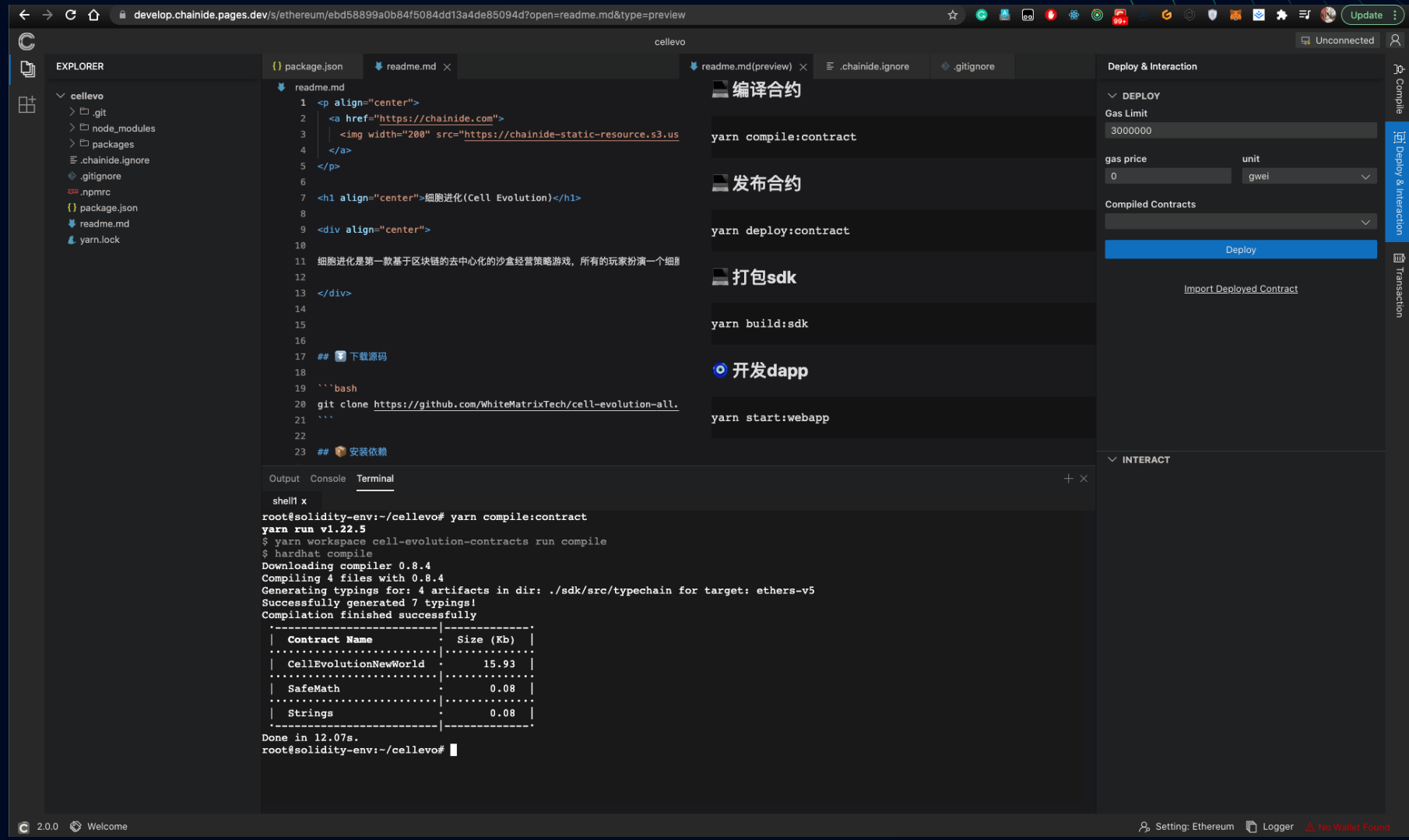
01

Skip the configuration of env, infra, servers.

02

Frontend, backend, and contract development in one place

- Node Runtime
- Geth CLI
- Truffle CLI
- NFT Toolbox
- Blockchain Node

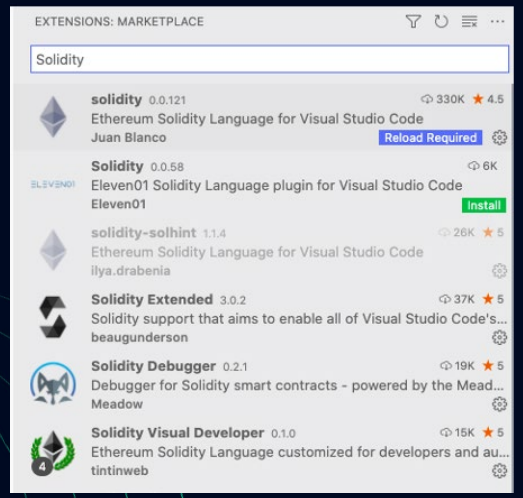


ChainIDE Connection Project (Coming Soon)

VSCode extension integration
- VSCode plugin compatible
- Compatible with VSCode theme
- First party VSCode plugin Port
- ChainIDE front-end open source project

Front-end and back-end hosting integration
- Cloudflare, Netlify integration
- Fleek integration
- IPFS integration
- AWS, GCP, Azure integration,
- Infura, Alchemy integration

NFT Toolbox
- NFT market integration
- NFT Metadata Backend template
- NFT Contract template
- NFT persistent storage hosting, CDN

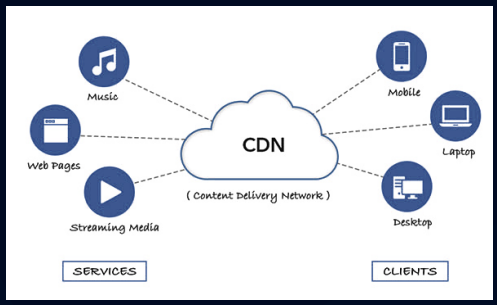


CLOUDFLARE

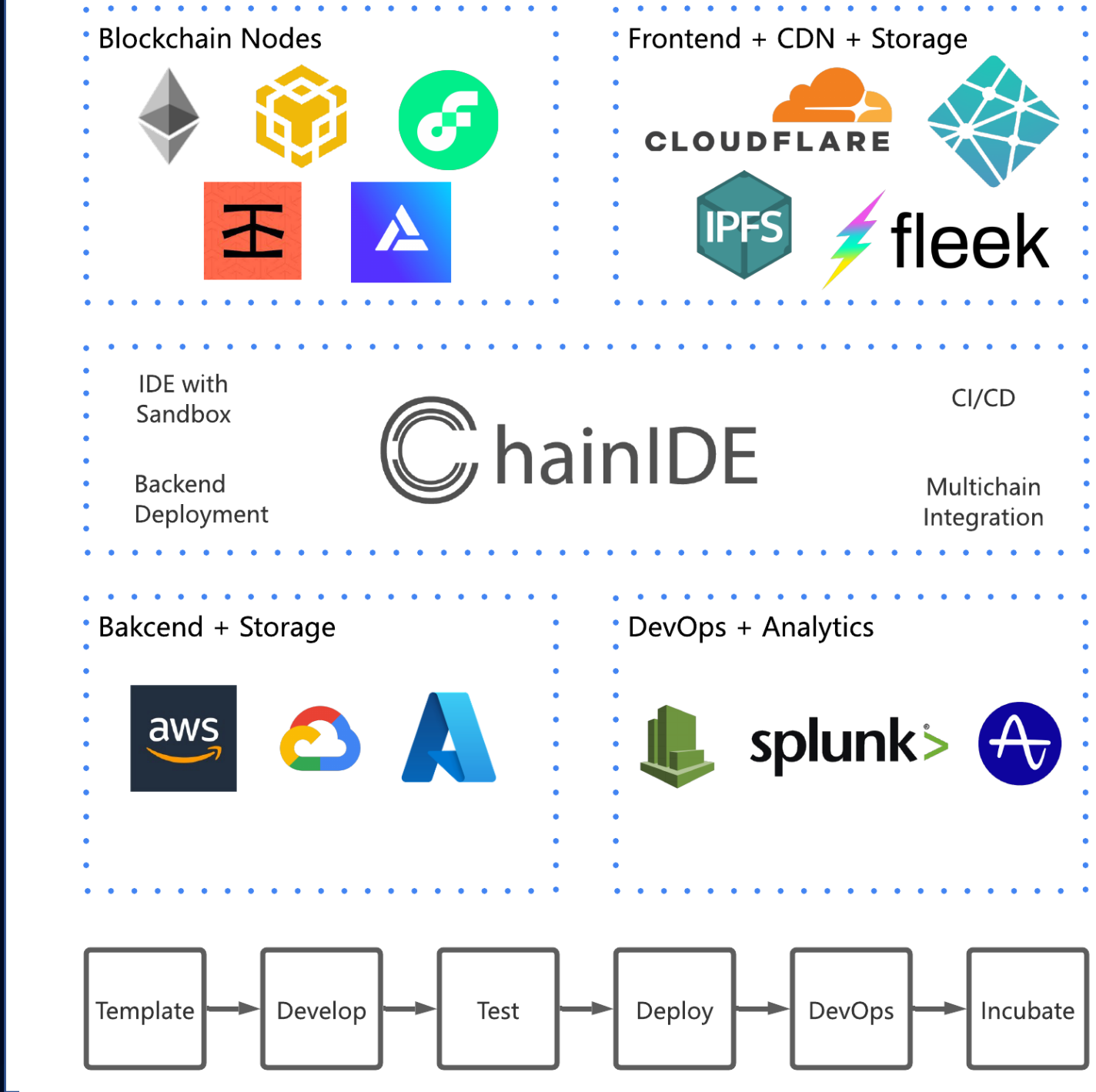
OpenSea

Rarible

IPFS



ChainIDE -- Web 3.0 Development Platform



ChainIDE DApp Development Showcase

https://chainide.com/

Thanks

ChainIDE team looks forward to your use and feedback!