

Modular Summit

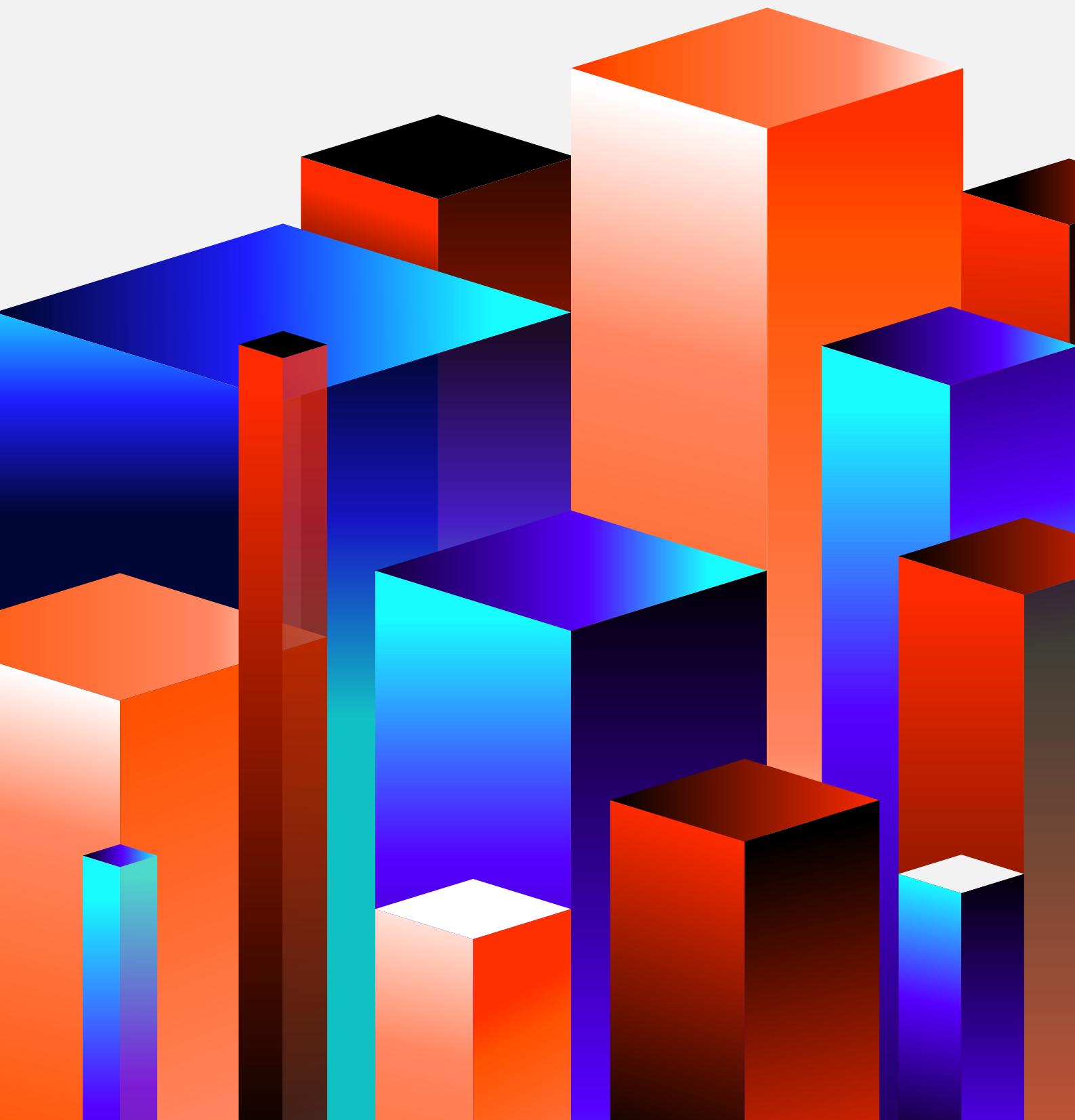
July 21-22 | Paris, France

HOSTED BY



CELESTIA
LABS

MAVEN 11



Welcome to

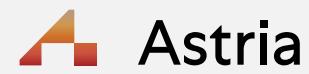
Modular Summit

and thank you to our
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S P O N S O R S



MAVEN 11



Modular
Cloud



P A R T N E R S



M E D I A P A R T N E R S



Agenda

Galoris Stage

Day 1

ROLLUPS

DATA AVAILABILITY

ROLLUPS

DATA AVAILABILITY

Opening words

2023. July 21 • 10:00

Speakers: Balder Bomans

Modular State of the Union

2023. July 21 • 10:10

Speakers: Mustafa Al-Bassam

World Engine: Horizontally Scaling Rollups With Shards

2023. July 21 • 10:40

Speakers: Scott Sunarto

Anoma, Celestia: intent-centric rollups

2023. July 21 • 11:00

Speakers: Chris Goes

Fireside chat with Sandeep of Polygon

2023. July 21 • 11:25

Speakers: Moderator: Mo | Panelist: Sandeep Naiwal

Avail: Architecture and Use Cases

2023. July 21 • 11:50

Speakers: Anurag Arjun

Data Availability Panel

2023. July 21 • 12:10

Speakers: Moderator: Bartek Kiepuszewski |
Panelists: Anurag Arjun, Mustafa Al-Bassam,
Toghrul Maharramov

Light nodes are not just a meme

2023. July 21 • 12:45

Speakers: Nick White

DA as broadband

2023. July 21 • 13:10

Speakers: Alex Evans

Lunch Break

2023. July 21 • 13:30

Bonsai: a Verifiable & ZK Computing Platform for a Modular World

2023. July 21 • 14:30

Speakers: Brian Retford

Discuss how general purpose ZK can enable modular applications

Write Code, NOT Circuits

2023. July 21 • 14:50

Speakers: Zac Williamson

Privacy is hard. We describe the abstraction layers and modular technologies required to turn zero-knowledge cryptography into a tool that can empower the next generation of web3 products.

Shielded Transactions Are Rollups

2023. July 21 • 15:10

Speakers: Henry de Valence

Modular ZK Systems Panel

2023. July 21 • 15:30

Speakers: Moderator: Anna Rose | Panelists: Nicolas Mohnblatt, Benedikt Bunz, Zac Williamson, Chris Goes

Break

2023. July 21 • 16:10

Aggregation is all you need

2023. July 21 • 16:30

Speakers: Uma Roy

Axiom: The first ZK coprocessor scaling data-rich applications on Ethereum

2023. July 21 • 16:50

Speakers: Yi Sun

Modular ZK Architecture Panel

2023. July 21 • 17:10

Speakers: Moderator: Tracy | Panelists: Uma Roy, Yi Sun, Ismael Hishon-Rezaizadeh

Fireside Chat with Mustafa and Mike

2023. July 21 • 17:40

Speakers: Mustafa Al-Bassam, Mike Ippolito

Happy Hour

2023. July 21 • 18:30

Agenda

Fourier Stage

Day 1

The economics of modular blockchains

2023. July 21 • 10:10 **Speakers:** Izrs

More sovereignty, more security

2023. July 21 • 10:30 **Speakers:** Andres Monty

What we Search for: Search Engines in an era of Modular Existence

2023. July 21 • 10:50 **Speakers:** Bunny

Developer Infrastructure Panel

2023. July 21 • 11:10 **Speakers:** Moderator: Steph | Panelists: Bunny, Jordan Oroshiba, Izrs, Josh Stein

Bringing Security to Your Cosmos Chain with Ledger

2023. July 21 • 11:50 **Speakers:** Nicolas Consigny

Mo Chains 'Mo Problems

2023. July 21 • 12:10 **Speakers:** Aditi Sriram

Investing in Modular Infrastructure

2023. July 21 • 12:30 **Speakers:** Moderator: Joe Coll | Panelists: Calvin Poon, Juri Stricker, Mathijs van Esch

Build it like Lego: The Modular Economy

2023. July 21 • 13:10 **Speakers:** Arjun Kalsy

Lunch Break

2023. July 21 • 13:30

Dumb blockchains require smart solutions (shared sequencing in the modular stack)

2023. July 21 • 14:30 **Speakers:** Ben Fisch

Astria: Speedrunning the Endgame

2023. July 21 • 14:50

Speakers: Josh Bowen

Josh Bowen, presents Astria's view of the modular blockchain endgame

Shared Sequencer Panel

2023. July 21 • 15:10

Speakers: Moderator: Evan Forbes | Panelists: Josh Bowen, Ben Fisch, Connor O'Hara

Rollups-as-a-Service Are Going To Zero

2023. July 21 • 15:50

Speakers: Neel Somanı

In this talk, Neel Somanı (CEO of Eclipse) explores the economic and technical constraints on app-specific rollups as they exist today.

Caldera: OP stack x Celestia rollups

2023. July 21 • 16:10

Speakers: Matt Katz

Rollup-as-a-Service Panel

2023. July 21 • 16:30

Speakers: Moderator: Tracy Wang | Panelists: Matt Katz, Neel Somanı, YQ, Kautuk

Relayers in the Modular World

2023. July 21 • 17:10

Speakers: Jim Chang

Hyperlane: modular blockchains and permissionless interoperability

2023. July 21 • 17:30

Speakers: Jon Kol

Bridging Panel

2023. July 21 • 17:50

Speakers: Moderator: Mads Mathiessen |
Panelists: Georgios Vlachos, Fig, Bo Du, Richard Adjei

Happy Hour

2023. July 21 • 18:30

Agenda

Cauchy Stage

Day 1

Sovereign SDK Workshop

2023. July 21 • 10:30

Speakers: Sovereign Labs

Argus Gaming Workshop

2023. July 21 • 11:30

Speakers: Argus

Curio Gaming Workshop

2023. July 21 • 12:30

Speakers: Curio

Anoma Workshop

2023. July 21 • 14:30

Speakers: Anoma

Astria Workshop

2023. July 21 • 16:30

Speakers: Astria

A large, semi-transparent graphic element in the background features abstract geometric shapes, including triangles and rectangles, in shades of gray and white, creating a modern and dynamic feel.

Agenda

Galois Stage

Day 2

MODULAR COSMOS

PBS DAY

Shielded Data Availability on Celestia

2023. July 22 • 10:00

Speakers: Adrian Brink

Many chains, One Transaction: Democratizing Great Modular UX

2023. July 22 • 10:20

Speakers: Maghnus Marenec

Panel: Rollups on Bitcoin

2023. July 22 • 10:35

Speakers: Moderator: Eric Wall | Panelists: Sunny Aggarwal, Connor O'Hara, Cem Özer

Modularity in Monetary Design

2023. July 22 • 11:15

Speakers: Ethan Buchman

Celestia architecture: the present and a glimpse into the future

2023. July 22 • 11:35

Speakers: Ismail Khoffi

Mesh Security

2023. July 22 • 11:55

Speakers: Aditi Sriram

Panel: Cosmos goes modular - Internet of Modular Blockchains

2023. July 22 • 12:15

Speakers: Moderator: David Feiock | Panelist: Ethan Buchman, Zaki Manian, Ismail Khoffi, Jack Zampolin

Lunch

2023. July 22 • 13:00

Modularity, PBS and MEV - Freedom from the Bitcoin Mind Prison

2023. July 22 • 14:00

Speakers: Zaki Manian

Towards a Theory of MEV, Part II: Uncertainty

2023. July 22 • 14:20

Speakers: Tarun Chitra

SUAVE - Turning Zero-Sum to Positive-Sum Game

2023. July 22 • 14:40

Speakers: Robert Miller

Current State on Orderflow, Block Building & the Latency Game

2023. July 22 • 15:00

Speakers: Danning Sui

Builders and More Advanced Forms of Aggregation

2023. July 22 • 15:15

Speakers: Vitalik Buterin

As the Ethereum ecosystem starts taking scalability, privacy and account security more seriously, we start seeing the need for more advanced forms of "aggregation" when combining user operations into a block. So far, this has started to include ERC-4337 bundling with its aggregate signature feature, but in the future such aggregation will include proofs of L2 state, a single recursive SNARK replacing many application-layer SNARKs, and perhaps even state update proof bundling across different L2s. This will add more load to the builder ecosystem. I will talk about what kinds of aggregation we may end up seeing, and the challenges in creating standardized open mempools or maximally decentralized markets for performing this type of aggregation.

Ethereum PBS R&D Roadmap

2023. July 22 • 15:45

Speakers: Mike Neuder

PBS on L2s

2023. July 22 • 16:00

Speakers: Georgios Konstantopoulos

PBS-ifying Rollups: Prover-Sequencer Separation

2023. July 22 • 16:15

Speakers: Toghrul Maharramov

PBS across the layers - from L1 to L1000

2023. July 22 • 16:30

Speakers: Patrick McCorrey

MEV-Garden: Cross-domain Markets with PBS and SUAVE

2023. July 22 • 16:45

Speakers: Tomasz Stanczak

Design Trade-offs in Proposals for Sequencer Decentralization

2023. July 22 • 17:00

Speakers: Joe Andrews

PBS on Shared Sequencing Layers and PBS design for Responsive Consensus Protocol

2023. July 22 • 17:15

Speakers: Ben Fisch

Exploring MEV Capture in Modular Systems

2023. July 22 • 17:30

Speakers: Evan Forbes

Breaking the proposer monopoly for more sovereign MEV capture.

PBS.DAY

Reminiscences of a Rollup Operator

2023. July 22 • 17:45

Speakers: Jon Charbonneau

PBS Guild: An Open Treasure Map to Keep Crypto Decentralized

2023. July 22 • 18:00

Speakers: Tina Zhen

The End Game

2023. July 22 • 18:15

Speakers: Mustafa Al-Bassam, Anatoly Yakovenko,
Tarun Chitra

Happy Hour

2023. July 22 • 19:00

Agenda

Fourier Stage

Day 2

DEVELOPER

Rollkit: Unleashing the Power of Open Interfaces

2023. July 22 • 10:10

Speakers: NashQ

Modular Devrel Panel: Build Whatever

2023. July 22 • 10:30

Speakers: Moderator: David Phelps | Panelists: Camila Ramos, Yaz Khoury, Henri Lieutaud, Tina Haibodi

The Intergame Thesis: Endgame for Onchain Games

2023. July 22 • 11:10

Speakers: Moderator: Eric Wall | Panelists: Sunny Aggarwal, Connor O'Hara, Cem Özer

Gaming builders and investors fireside chat

2023. July 22 • 11:35

Speakers: Moderator: David Zhou | Panelists: Morris Hsieh, Breck Stodghill, David Brillembrough

GAMING

Shared sequencing for gamers & smol brains

2023. July 22 • 12:20

Speakers: Norswap

Why every on-chain games wants to be a rollup, why decentralized sequencing is particular important in that context, and a review of possible designs.

Lessons in Hyperscaling Onchain games - Web2 meets Web3

2023. July 22 • 12:40

Speakers: Yijia Chen

Keystone, our sovereign rollup-based onchain game engine, and the novel experiences the onchain games building on top can enable.

ZK APPS

Fireside chat with zk Sync

2023. July 22 • 14:00

Speakers: Moderator: Adriana Hamacher | Panelists: Alex Gluchowski

Manta Pacific: The Celestium for EVM-Native ZK Applications

2023. July 22 • 14:20

Speakers: Kenny Li

Zero-Knowledge Proofs for Modular State Composability

2023. July 22 • 14:40

Speakers: Ismael Hishon-Rezaizadeh

The fragmentation of state across modular rollups creates a veritable data lake of historical state. ZK MapReduce is a proprietary proof construction, designed by Lagrange Labs, that is optimized for generating large scale batch storage proofs concurrently with data parallel computation. In this talk, we'll explore how verifiable big data scale computation intersects with the modular ecosystem to create new forms of composability of data between chains.

Novel Applications of ZK

2023. July 22 • 15:00

Speakers: JModerator: Eshita Nandini | Panelists: Niraj Pant, Harry Grieve, Lakshman Sankar, Daniel Shorr

eIBC: IBC in a new Dymension

2023. July 22 • 15:40

Speakers: Yishay

Modular IBC Patterns

2023. July 22 • 16:00

Speakers: Jack Zampolin

Bitcoin Staking: Unlocking 21M Bitcoins to Secure the Decentralised Economy

2023. July 22 • 16:20

Speakers: David Tse

Cosmos Panel: Infrastructure

2023. July 22 • 16:40

Speakers: Moderator: Thyborg | Panelists: Marko Bar, Sean Braithwaite, Magnus Marenec, Jack Zampolin

Securing Connected Liquidity for Modular Blockchains

2023. July 22 • 17:20

Speakers: Yeongin Lee

The importance of securing connected liquidity.

Cosmos Panel: Applications

2023. July 22 • 17:40

Speakers: Moderator: Zion Thomas | Panelists: Albert Chon, Yeongin Lee, Jelena Djuric, Dev Bear, Dan Lynch

Berachain: Polaris EVM Framework

2023. July 22 • 18:20

Speakers: Dev Bear

Happy Hour

2023. July 22 • 19:00

Agenda

Cauchy Stage

Day 2

Celestia Light Node Tutorial

2023. July 22 • 10:00

Speakers: Celestia Labs

OP Stack Rollup Workshop

2023. July 22 • 11:00

Speakers: Caldera & Celestia Labs

Rollkit & Polaris Workshop

2023. July 22 • 12:00

Speakers: Rollkit and Berachain

Altlayer Workshop

2023. July 22 • 12:45

Speakers: Altlayer

Modular Hacker House Demos

2023. July 22 • 16:00

Speakers: Argus and Celestia Labs



What is Anoma?

Anoma is the first intent-centric architecture, where intents are the most fundamental primitive.

Anoma's intent-centricity provides novel properties for applications including end-to-end decentralisation, information flow control, decentralised counterparty discovery, configurable settlement, configurable ordering, and fully programmable intents.

What can you build with Anoma?

These properties make it trivial to build two classes of applications. The first one is existing applications on Ethereum, including rollups, NFT marketplaces, and MEV-resistant DEXes – without requiring any centralised or web2 component.

The second class of applications are the ones that are impossible to build on existing web3 architectures, including generalised combinatorial auctions or new age economic/Game B systems like Plural Money, CoFi, or scale-free money (Heterotopia).

How can you use Anoma?

It is crucial to understand that Anoma is an architecture, not a blockchain. This distinction allows existing applications to utilise Anoma's properties to the extent they require. For example, rollups could employ Anoma's decentralised counterparty discovery to decentralise their sequencer, or use Anoma to generate intents for Ethereum.



N A M A D A

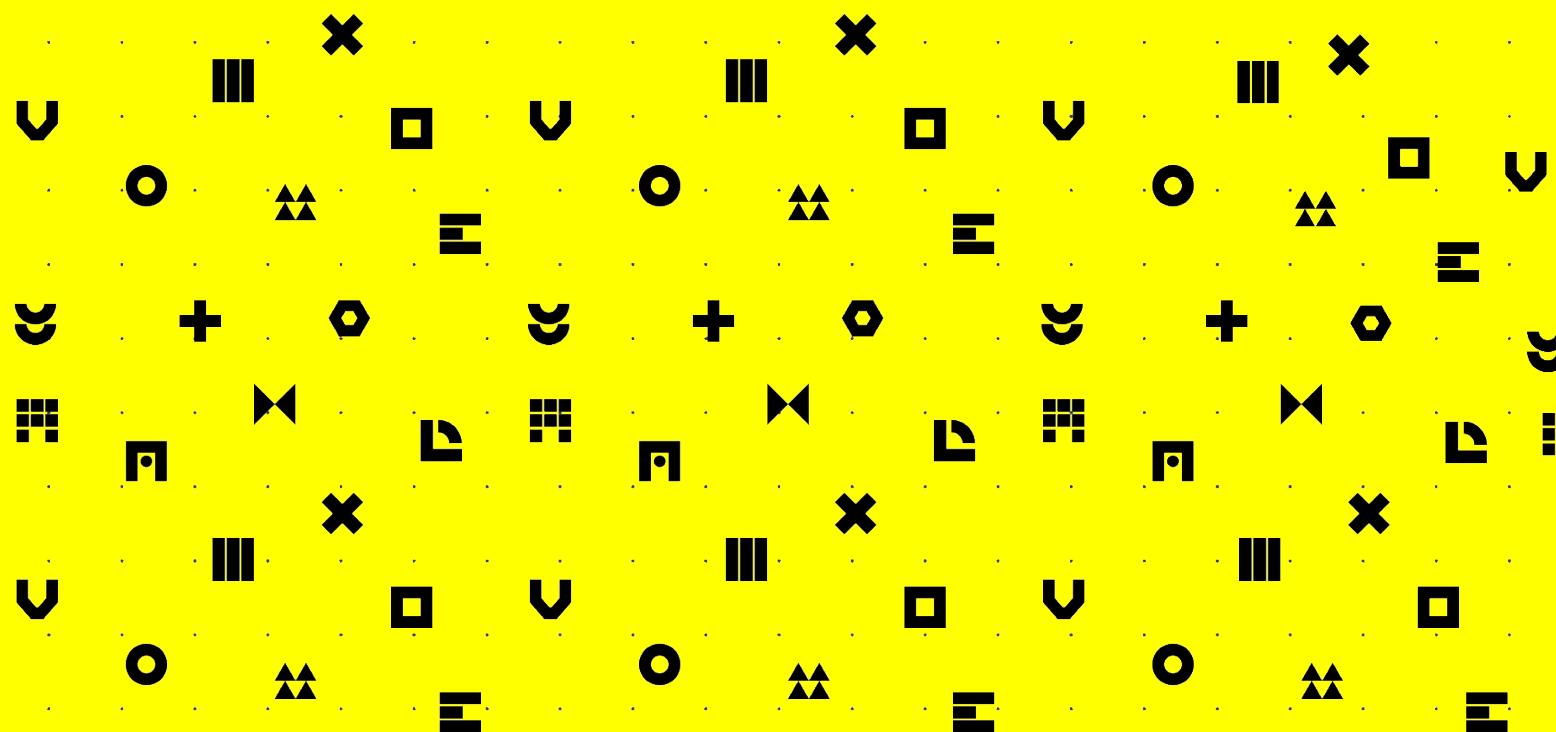
Introducing Namada: The L1 for Multichain privacy

Namada is a L1 for asset-agnostic, multichain privacy. Namada enables a unified shielded set, where any assets (fungible and non-fungible) originating from different chains can share one shielded set – removing the existing fragmentation of privacy sets and providing stronger privacy guarantees for the multichain user.

How does Namada incentivise privacy?

Namada employs a distinctive incentivization mechanism, termed as 'shielded set rewards'. Shielded set rewards are a bootstrapping mechanism to fund multichain users who contribute to privacy.

Users of Namada can remain in the shielded set and use shielded actions to interact privately with applications on Ethereum or other chains including Osmosis or Celestia.

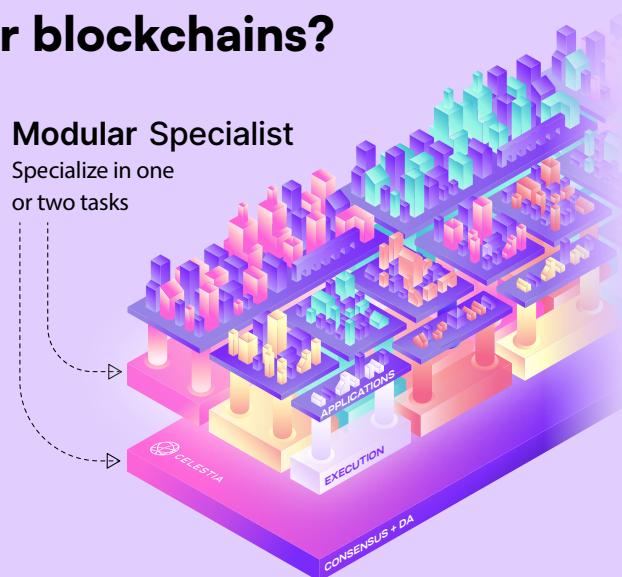


What is Celestia?

Celestia is the first modular blockchain network. By decoupling consensus from execution, Celestia enables anyone to easily deploy their own blockchain, without the overhead of bootstrapping a new consensus network.

What are modular blockchains?

Well, modular blockchains are specialists. They perform only one or two tasks — the opposite of monolithic chains. Modular chains don't sit alone, though. Multiple of them combine to perform all the tasks a monolithic chain does by itself. This combination of chains is what we call a modular stack.



Modularism, not maximalism

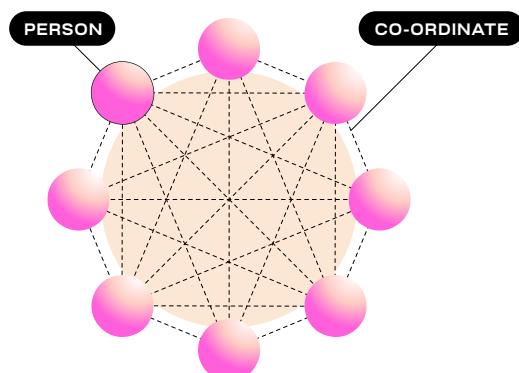
For years, each new L1 has built a walled-off system, leading to maximalism as they all fight over users. Modular blockchains collaborate with many

connected chains. Each new user creates value for the whole modular ecosystem. Modular blockchains collaborate while monolithic L1s compete.

Layer 0 is social consensus

To us, the most important layer in blockchains is social consensus. Blockchains are also tools for social coordination. Thus, our core belief is that communities have the right to independently self-organize.

Modular blockchains for sovereign communities.



MAVEN 11

Maven 11 is a crypto-native fund with a mission to partner with brave outliers who challenge the status quo by redefining ownership.

We actively build, support, and challenge the founders we believe will be the leaders of this industry.

Our Modular Thesis

At Maven 11, we are enthusiastic about the emergence of modular blockchains and their potential to reshape the blockchain ecosystem. Modularity, which involves decoupling blockchain layers, is driving a transformative shift in design and scalability.

We believe that modular ecosystem projects, like most of the projects on stage at the Modular Summit, offer distinct advantages over monolithic architectures. By separating execution, consensus, and data availability, these blockchains achieve shared security, efficient block verification, and scalability without extensive hardware requirements.

The modular stack, comprising consensus and data availability layers, settlement layers, and execution environments represent a promising future for the next generation of apps to be built upon. Various execution environments, in particular, provide unique flexibility and functionalities and serve as building blocks for decentralized applications.

Challenges remain, as we mature the modular ecosystem we see open questions on topics like interoperability, MEV, finality trade-offs and ZK tech amongst other things. However, those open research topics are more a good challenge for the amazing founders building in this domain than a fundamental shortcoming.

Ultimately we are building crypto because we are convinced end-user verification is important in an increasingly digital world. If you want to join us on this journey, don't hesitate to contact us for ideation, feedback and potential investment.



ESPRESSO
SYSTEMS

Espresso Systems builds tools and infrastructure for more safe, open and performant blockchains. We are the lead developers of the Espresso Sequencer, a system that helps rollups achieve decentralization and interoperability.

The Espresso Sequencer leverages a decentralized and optimistically responsive consensus protocol. This approach enables rollups to bring Web2 performance to on-chain applications without compromising on decentralization

Hyperlane

Hyperlane is the first universal and permissionless interoperability layer. Purpose built for the modular blockchain stack, Hyperlane allows anyone to connect any chain. Whether it is a true Layer 1, a rollup, or an appchain, you can connect it via Hyperlane!

With its modular security stack, Hyperlane empowers you to customize your security and letting you tailor your security protocols to the context of your users actions. Bring the right set of security measures for any kind of transaction.

Sovereign rollups deserve sovereign interoperability.



LAGRANGE

Lagrange Labs specializes in developing infrastructure to increase the security and expressivity of how contract states can be used cross-chain. Lagrange's first product is ZK Big Data, a novel proof system for generating batched storage proofs, concurrently with dynamic zero-knowledge distributed computation. Lagrange is also building an offering called state committees, which allows bridges and messaging protocols to share restaked security to attest to the finality of optimistic rollup blocks.



Mantle is a fast-growing, DAO-led web3 ecosystem whose goal is the mass adoption of decentralized and token-governed technologies. Mantle Ecosystem comprises Mantle products such as Mantle Network, Mantle Governance (DAO), and Mantle Treasury. Mantle token (\$MNT) is the unified product and governance token of the ecosystem.

Mantle Network is a high-performance EVM modular L2 blockchain. Our modular rollup architecture separates transaction execution, data availability, and transaction finality into distinct layers. By virtue of being the first L2 network partner for restaking protocol EigenLayer, Mantle inherits security from Ethereum while offering high performance at low fees.

As the world's first DAO-spawned L2, Mantle Network is pioneering a vision for a more collaborative decentralized economy to showcase the potential of tokenized governance.



RISC Zero is a zero-knowledge verifiable general computing platform based on zk-STARKs and the RISC-V microarchitecture. Our suite of products enable developers to directly use existing tools and languages, such as Rust, to build performant, upgradable, and secure ZK programs. Additionally Bonsai, our ZK proving network, enables hyper performant parallel proving and on chain proofs for any program built on our zkVM.

Bonsai, our massively parallel ZK proving service, will unlock a diverse range of advanced capabilities across the modular ecosystem'





SPARTAN



Qredo



MANTLE



P A R T N E R S



M E D I A P A R T N E R S



Thank you!



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