



// AI-POWERED DECENTRALIZED CLOUD

THE SOVEREIGN SUPERCLOUD FOR ENTERPRISE

Confidential VMs, decentralized GPU power, and serverless functions — engineered for compliance-driven teams in finance, gaming, AI, and Web3. **Up to 69% cheaper than AWS & Google Cloud.**

PREPARED FOR	ENTERPRISE BUYERS
ISSUE	V2026.05
CONTACT	GAN@ALEPH.CLOUD
STATUS	● LIVE

A NEW CLOUD CATEGORY

CLOUD WITHOUT COMPROMISE.

Aleph Cloud is a censorship-resistant, GDPR-compliant alternative to traditional cloud — combining **confidential computing, decentralized GPU power, and serverless functions** on a globally distributed network of nodes. Choose where your data lives, prove how it's processed, and pay only for what you use.

01 — TRUST

VERIFIABLE PRIVACY

Trusted Execution Environments (AMD SEV) keep memory and disk encrypted by the CPU — even from us. Hardware attestation included.

02 — COST

UP TO 69% CHEAPER

Decentralized GPU marketplace and a unified credit system eliminate hyperscaler markup. Credits are priced per Compute Unit / hour — pay only for what you consume.

03 — CONTROL

SOVEREIGN BY DEFAULT

Choose data location to comply with regional laws. Credits purchased via on-chain smart contract — transparent, auditable billing. No vendor lock-in.

04 — SCALE

CROSS-CHAIN COMPOSABLE

One platform spans 11 blockchains. SDK, CLI, Docker & Kubernetes native. Deploy in seconds, integrate with legacy infra.

SIX PRODUCTS. ONE SUPERCLOUD.

EVERYTHING YOU NEED TO SHIP.



VPS

Decentralized virtual private servers, deploy in seconds.

UP TO 12 vCPU
2 → 24 GB RAM
20+ GB NVMe SSD
UNLIMITED BANDWIDTH



GPU CLOUD

High-performance GPUs for AI, ML, and rendering workloads.

DEDICATED GPU NODES
NEAR-100% UTILIZATION
PREMIUM CU RATE
CREDIT-BASED BILLING



CONFIDENTIAL VMS

TEE-secured VMs with AMD SEV — encrypted memory and disk.

HARDWARE ATTESTATION
FULL CPU ENCRYPTION
ZERO-TRUST READY
GDPR COMPLIANT



BLOCK STORAGE

Permanent, reliable storage with IPFS integration.

IPFS NATIVE
ENCRYPTION SUPPORT
GLOBAL REDUNDANCY
CREDIT-BASED BILLING



WEB3 HOSTING

Decentralized hosting with multi-chain wallet auth.

CROSS-CHAIN AUTH
CENSORSHIP-RESISTANT
MULTI-LANGUAGE SDKs
CREDIT-BASED BILLING



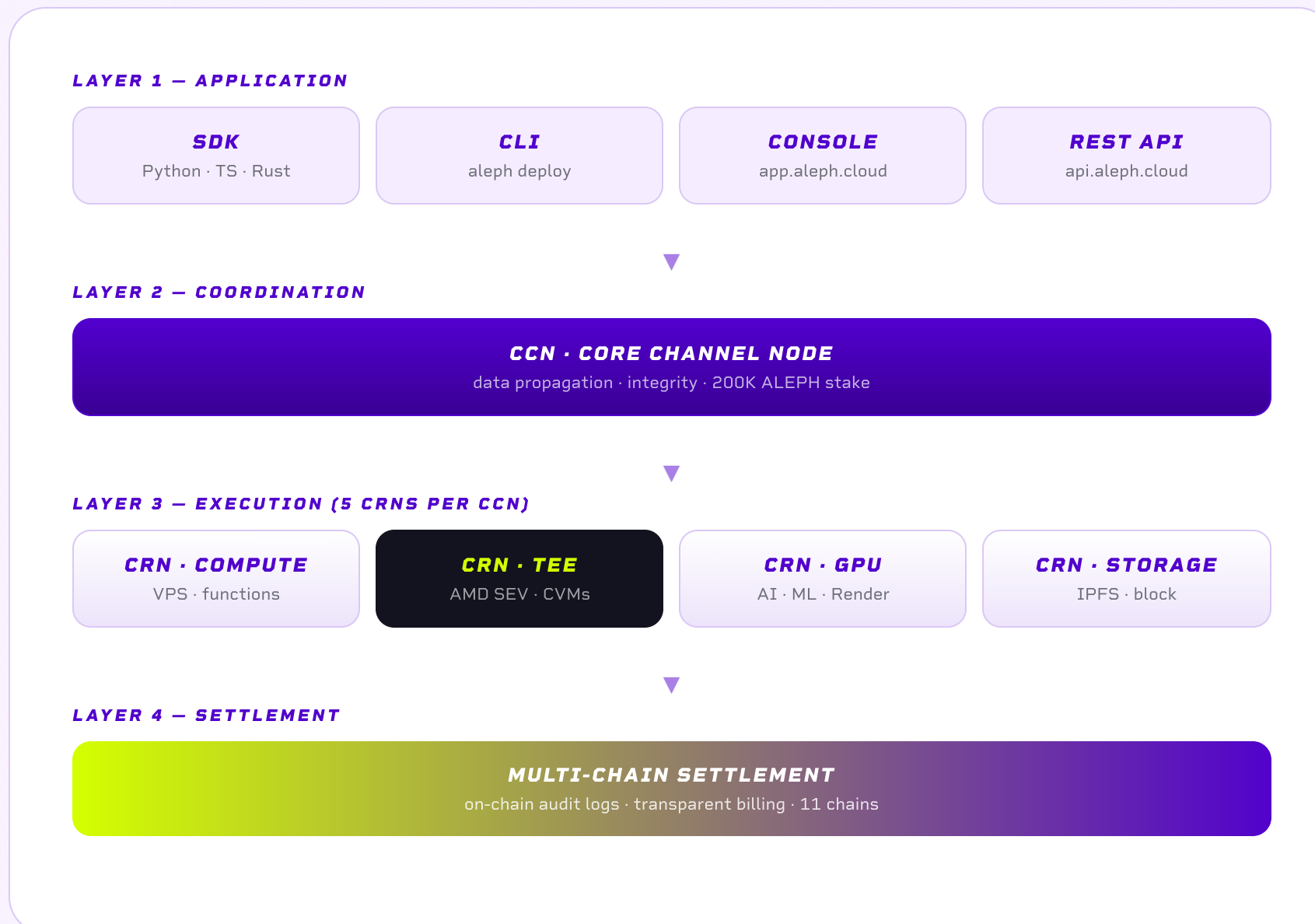
SERVERLESS FUNCTIONS

On-demand functions and persistent VMs in a decentralized runtime.

ON-DEMAND EXECUTION
PERSISTENT VMs
TYPESCRIPT / PYTHON SDK
CREDIT-BASED BILLING

DISTRIBUTED BY DESIGN

HOW THE NETWORK WORKS.



BY THE NUMBERS.

- ACTIVE CCNS**
90+
Core channel nodes worldwide
- CRNS PER CCN**
5
Compute resource nodes
- STAKE TO OPERATE**
200K ALEPH
+500K activation stake
- SLA UPTIME**
99.95%
Globally distributed redundancy

Settlement chains supported

- Ethereum
- Solana
- Base
- Arbitrum
- Avalanche
- Polygon
- BNB Chain
- Optimism
- Cosmos
- Polkadot
- Tezos

PAY-AS-YOU-GO · NO LOCK-IN

TRANSPARENT BY DESIGN.

HOW CREDITS WORK

STEP	ACTION	DETAIL
01	Top up	ETH · USDC · ALEPH · ERC-20
02	Smart contract	Swaps payment to ALEPH
03	Credits issued	Held against your account
04	Deploy workload	Instances · CVMs · functions
05	Consume	Deducted by Compute Unit / hr
06	Audit	On-chain billing trail

One unified credit system replaces Pay-As-You-Go and Holder Tier · Card payments in roadmap

COMPUTE UNIT · CU

REFERENCE

METRIC	VALUE
CU PRICE	\$0.011 / hr
NETWORK TARGET	3,000 CUs
TARGET UTILIZATION	70%
ACTIVE CRNS (TARGET)	350
CONFIDENTIAL VMS	Premium CU rate
GPU INSTANCES	Premium CU rate

Source: Aleph Cloud tokenomics proposal · CU rate published at tokenomics.aleph.cloud

REVENUE DISTRIBUTION

POOL	RECIPIENT	SHARE
DISTRIBUTION	CRN operators	60%
DISTRIBUTION	Stakers	20%
DISTRIBUTION	CCN operators	15%
DEVELOPERS	Dev fund (timelocked)	5%
EMISSION CAP	ALEPH / month	1,350,000
STAKERS APR	Baseline	~4.6%

Smart contract: github.com/aleph-im/aleph-contract-eth-credit · Subject to community governance

ONE CREDIT SYSTEM

Top up with ETH, USDC, ALEPH or any ERC-20. The smart contract swaps your payment to ALEPH and issues credits. Credits are deducted as resources are consumed and billing is auditable on-chain. Card payments coming in a future update.

ETH
USDC
\$ALEPH
ERC-20

WHY TEAMS SWITCH

A BETTER BOTTOM LINE.

-69%

VS. AWS & GOOGLE CLOUD

A unified credit system replaces opaque hyperscaler billing. Pay per Compute Unit at **\$0.011 / CU·hr** — the same rate that funds node operators. Hardware-attested privacy, on-chain audit trail, and no vendor lock-in: capabilities AWS, GCP and Azure cannot independently prove.

	ALEPH CLOUD	AWS	GOOGLE CLOUD	AZURE
PRICING MODEL	Credits · \$0.011 / CU·hr	Per-resource & reserved	Per-resource & committed	Per-resource & reserved
HARDWARE-ATTESTED TEE	✓ AMD SEV (verifiable)	Limited (Nitro)	Limited	Limited
VENDOR LOCK-IN	None — open SDK / IPFS	High	High	High
ON-CHAIN AUDIT BILLING	✓	×	×	×
CROSS-CHAIN WALLET AUTH	✓ ETH · Solana · Polkadot	×	×	×
OPERATOR DECENTRALIZATION	Independent CRN / CCN nodes	Single vendor	Single vendor	Single vendor
DATA SOVEREIGNTY	✓ pick exact node	region-only	region-only	region-only

ENCRYPTED FROM SILICON TO SETTLEMENT

TRUST, VERIFIED. NOT PROMISED.

// TRUSTED EXECUTION ENVIRONMENT



CUSTOMER WORKLOAD

Your code, your data — sealed

● ATTESTED



AMD SEV-SNP ENCLAVE

Memory + disk encrypted by the CPU. Even Aleph cannot peek.

● ENCRYPTED



COMPUTE RESOURCE NODE

Operator-run hardware, geographically distributed

● ISOLATED



ON-CHAIN AUDIT LOG

Every operation hash anchored to chain

● VERIFIABLE

Hardware-based remote attestation lets your auditors verify exactly what code is running, on what silicon, before you send a single byte.

COMPLIANCE

Pick the exact node where your data lives. On-chain billing replaces opaque invoices. Audit-ready logs out of the box.

GDPR

SOC 2 (in progress)

ISO 27001 (in progress)

HIPAA-friendly

MiCA-aware

CRYPTOGRAPHY

DEFENSE IN DEPTH

End-to-end encryption, hardware attestation, and zero-trust architecture across every layer of the stack.

AMD SEV-SNP

AES-256

TLS 1.3

Ed25519 signing

IPFS content-addressed

RESILIENCE

NO SINGLE POINT OF FAILURE

90+ globally distributed CCNs. If multiple nodes go down, your data and workloads remain accessible elsewhere.

99.95% SLA

Multi-region

Auto-failover

TRUSTED IN PRODUCTION

WHO'S BUILDING ON ALEPH.

From AAA gaming to DeFi rails to decentralized AI — teams trust Aleph Cloud for workloads where privacy, sovereignty, and resilience are non-negotiable.

UBISOFT

AAA GAMING · DYNAMIC NFTS

"Champions Tactics: Grimoria Chronicles" stores evolving NFT metadata on Aleph Cloud — assets that change based on player interactions, censorship-free and tamper-proof.

1M+ DYNAMIC NFTS HOSTED

LIBERTAI

AI · DECENTRALIZED INFERENCE

Runs uncensored open-source LLM inference on Aleph Cloud — confidential VMs and GPU nodes deliver private, censorship-resistant AI that no single operator can shut down.

TEE ATTESTED INFERENCE

HYPERSWAP

DEFI · DEX

Hosts its full website, APIs, and DeFi analytics backend on Aleph Cloud — true decentralization end-to-end, with no centralized chokepoint.

0 CENTRALIZED DEPENDENCIES



TAKE THE NEXT STEP

READY FOR THE SOVEREIGN CLOUD?

Book a 30-minute discovery call. We'll review your workload, model your migration, and provide a side-by-side cost comparison vs. your current provider — no commitment.

DIRECT LINE

TALK TO SALES.



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WEB

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