VALIDATORS

Consensus • Security • Governance

A validator is a node that actively participates in block production and verification.
Validators keep the network honest by signing valid state transitions and rejecting invalid ones.

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WHAT VALIDATORS DO

Core duties during every block:

Propose

- Assemble transactions
- Build the next block
- Broadcast proposal

Verify

- Execute & validate state
- Check signatures & rules
- Reject invalid blocks

Finalize

- Sign attestations
- Help reach finality
- Relay to the network

Propose → Verify → Finalize

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SECURITY MODEL

How validators secure the network

Security comes from stake + decentralization + enforcement.

Key principles

- Economic security: misbehavior risks penalties.
- Finality: enough honest signatures finalize blocks.
- Liveness: uptime keeps blocks flowing.
- Decentralization: many operators reduce capture risk.

Enforcement

Invalid block

↓

Rejected by validators

↓

Penalties / slashing

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REWARDS

How validators earn

Block rewards

Earn rewards for proposing and signing valid blocks (inflation).

Network fees

Share of transaction fees based on network parameters.

Early participation

Phase Zero favors early operators as the network boots and decentralizes.

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RUN A VALIDATOR

Operations + rewards + onboarding

Minimum expectations

- High uptime (24/7) with monitoring & alerts
- Secure key management (HSM / isolated signer)
- Regular upgrades + incident response readiness
- Geographic & operator diversity encouraged

Apply

Email us to start validator onboarding:

validators@onlyondefi.com

Include:

- Region
- Hardware / VPS specs
- Node experience (optional)
- X handle (optional)