

DexMev — Whitepaper

(Node-Powered MEV Infrastructure on Solana)





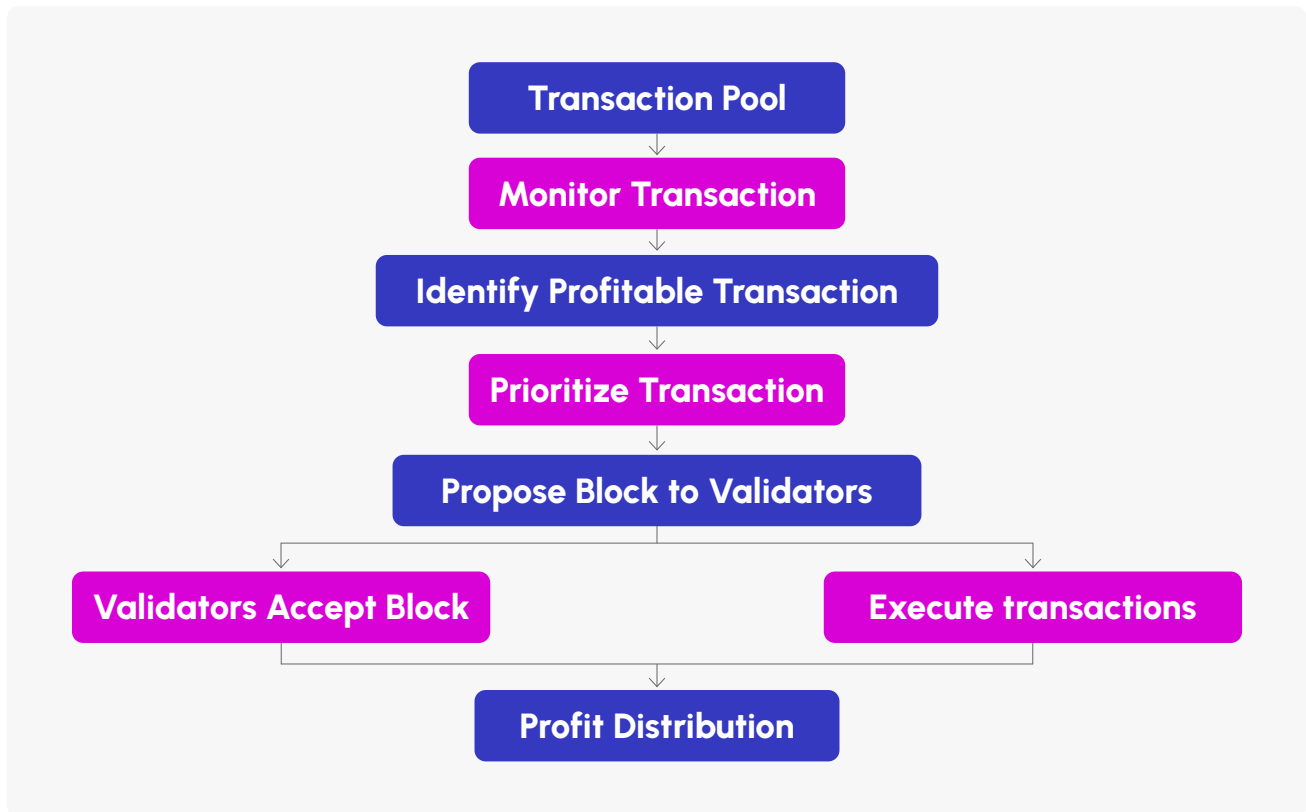
Introduction: What Is DexMev?

DexMev is a permissionless, MEV-driven trading protocol and node infrastructure provider, designed to maximize real on-chain profit extraction in the Solana ecosystem. Unlike traditional DeFi bots, DexMev combines proprietary strategy frameworks with validator-grade RPC infrastructure to offer automated MEV operations for both novice and advanced users.

At its core, DexMev uses Solana's high-throughput design to facilitate real-time arbitrage, frontrunning/backrunning, and sandwiching, while abstracting the complexity from end users. Whether you're using our Shared Bot or a fully Custom node-based setup, the platform gives access to capital-efficient trading at speed.

What Is MEV

(Maximum Extractable Value)?



MEV is the value a validator (or bot operator) can extract by ordering, including, or excluding transactions in a block.

On Ethereum, MEV is already a multi-billion dollar industry, with over 625K ETH (~\$1.2B) extracted since 2020. Solana, thanks to its millisecond block times and low fees, has become a frontier for high-frequency MEV — with new opportunities in arbitrage, sandwiching, and liquidation-based strategies.

Types of MEV on Solana include:

MEV Strategy Types



DexMev leverages these via automated, gas-optimized smart contracts and RPC-synced logic.


How DexMev Works

(Architecture & Epochs)


Shared Bot Mode

- Users deposit SOL into a smart-contract-controlled wallet.
- Epochs last 48 hours. All trading occurs during epochs only.
- Bot executes pre-optimized strategies, using pooled capital for capital efficiency.
- At the end of an epoch, revenue is distributed and 10% platform fee is taken from profits.

DexMev RDC **ROI: 33.2%**

 **Not Active**


Not Activate

INVESTED  **0 (\$0.00)**


Activate

Configuration

Custom RDC **ROI: 13.47%**

 **Not Active**

Not Activate

INVESTED  **0 (\$0.00)**

Activate

Configuration


Custom Bot Mode

- Requires private RPC with access to Yellowstone gRPC node.
- Full control over strategy parameters, token targeting, leverage, execution frequency.
- Suitable for users with technical background or high capital.

Epoch Mechanics

Slot Height
350,916,878

Supply
534.7M

Epoch
 **812**

31%

ETA 1d 9h
813

- Trading is only active during epochs.
- Deposits made during an epoch are queued as pending and activated in the next epoch.
- This ensures optimal capital allocation and prevents mid-cycle interruptions.
- Once an epoch starts, deposits cannot be changed.

Why Epochs?

They allow synchronized bot operation, batch optimization, and equalized opportunity for users.

RPC Infrastructure and Node Access

Latency Metrics

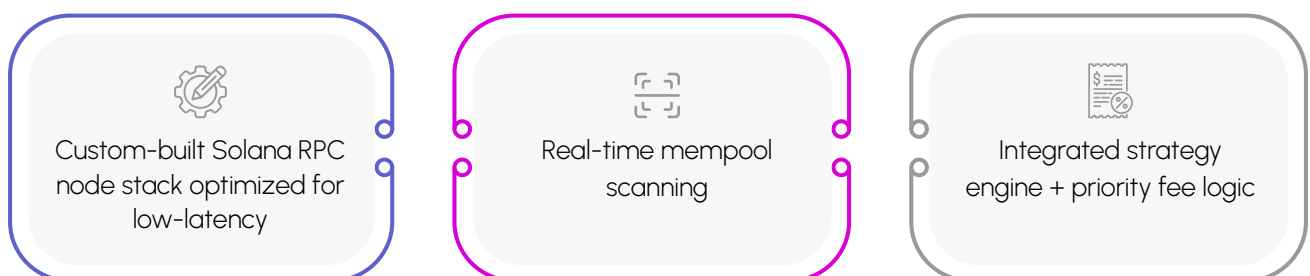
Tier	Avg Latency (ms)	Packet Loss	Throughput (req/sec)
Shared Node	35–65	<0.1%	~50 (burst)
Dedicated Node	4–10	<0.01%	~500+

GRPC Support

- 01 Compatible with Jito and Yellowstone
- 02 Streaming slot leader, fork, and mempool data
- 03 Custom indexer endpoints available for enterprise



DexMev Node Stack



Users in Shared mode benefit from our pooled infrastructure. Custom mode users may connect their own Yellowstone or other premium RPC nodes to maximize performance.

Economics & Capital Considerations

We recommend a **minimum deposit of 0.5 SOL**, though real effectiveness begins at **10–20 SOL** and scales up. Our team internally operates with 200–300 SOL per strategy instance.



Why a minimum? Low deposits + poor understanding of flashloan settings = losses on fees.

Flashloans: Currently available in beta, but **we do not recommend using them** without technical knowledge. Most losses have been attributed to failed flashloan logic and failed arbitrage calls. Flashloans may be removed from Shared bots or moved into advanced-only mode.

Security, Transparency & Risks



Fees

Profits are calculated after fees. Bot UI shows gross and net returns.



Bot Risks

MEV is high-reward, but also high-risk. Bad configs = losses



Non-custodial

Funds are controlled via programmatic wallets, not by DexMev.



Transparency

All epoch reports are published post-cycle with TX blocks, PnL, strategies used.

Known risks include:



Regulatory Risk

MEV strategies may face legal scrutiny depending on jurisdiction.



Frontier Risk

MEV markets are inherently volatile and competitive.



Smart Contract Risk

As with any DeFi app, contracts may be exposed to vulnerabilities.

Business Model

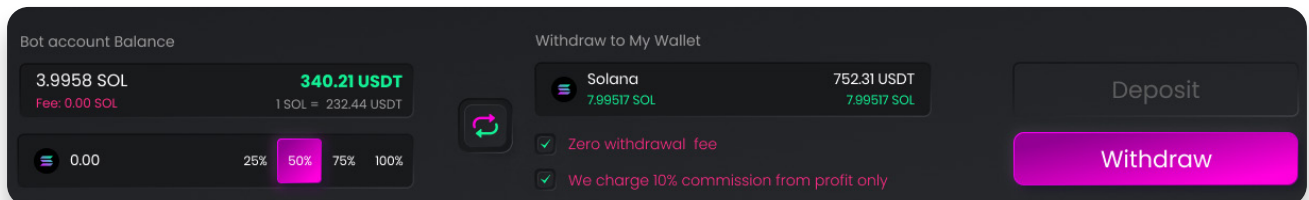
DexMEV is designed to be a sustainable, scalable platform that democratizes access to MEV (Maximal Extractable Value) strategies. Our business model is built on transparency, fair revenue sharing, and long-term ecosystem alignment.

01 Revenue Streams

a) Performance Fees

A percentage of profits generated by the MEV strategies (e.g., sandwich protection, DEX arbitrage, liquidations) is taken as a performance fee. This only applies when users are in profit, ensuring strong user alignment.

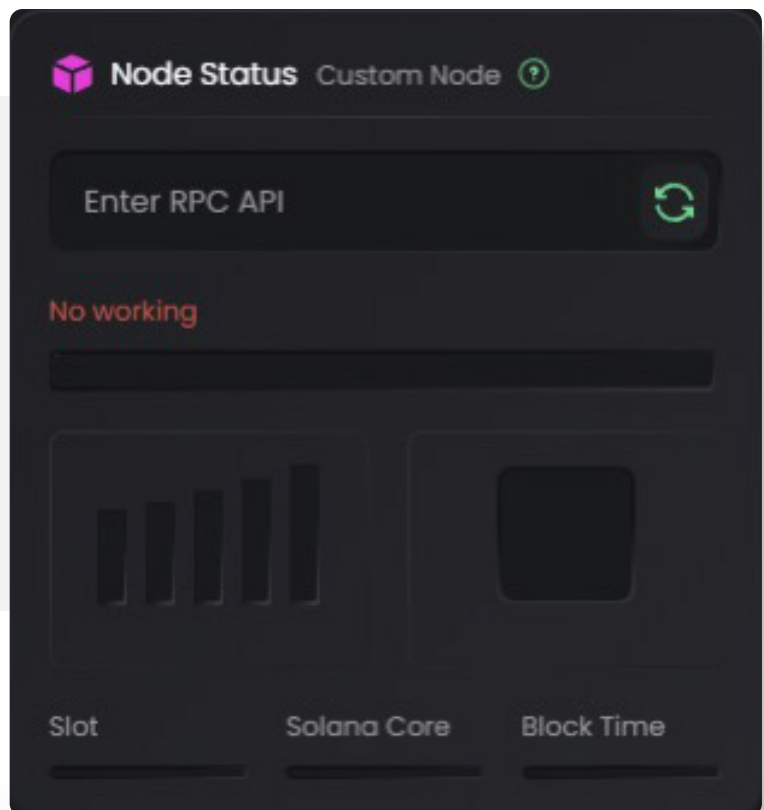
Example 10% of pnl profits from successful MEV trades executed through DexMEV algorithms.



The screenshot shows a dark-themed interface. On the left, under 'Bot account Balance', it displays '3.9958 SOL' and '340.21 USDT' (with '1 SOL = 232.44 USDT' below). A fee of '0.00 SOL' is shown. Below this are radio buttons for 0.00, 25%, 50% (selected), 75%, and 100%. In the center, there's a 'Withdraw to My Wallet' section for 'Solana' with a balance of '7.99517 SOL' and '752.31 USDT'. It lists two conditions: 'Zero withdrawal fee' and 'We charge 10% commission from profit only'. To the right are 'Deposit' and 'Withdraw' buttons.

b) gRPC Node Leasing for Custom Bots

DexMEV operates high-performance shared and private gRPC nodes on Solana. These nodes are leased to third parties — such as algo-trading teams, custom MEV bot operators, and research groups — who require fast, low-latency access to the network.



The screenshot shows a 'Node Status' window for a 'Custom Node'. It has an 'Enter RPC API' input field with a refresh icon. Below it, the status is 'No working'. At the bottom, there are three sections: 'Slot' with a bar chart, 'Solana Core' with a bar chart, and 'Block Time' with a bar chart.

This service provides:




Priority transaction routing Enhanced privacy



Minimal latency for blockspace-sensitive operations



Revenue is generated through recurring node rental agreements or usage-based billing (depending on bandwidth and exclusivity level).


RDC Settings

MevDex Server
Custom Server


Custom RPC Setup Required

To set up a custom RPC for your bot, please note that this process cannot be automated and must be done manually by our support team.

How to Get Assistance:


- Submit a Ticket: Create a support ticket with your request. (24-48h wait time)
- Contact Us Directly: For faster support, reach out to us on: Telegram, Discord (1h wait time)


Our team is here to assist you 24/7 and ensure your bot setup is seamless and efficient!


Node Status Custom Node

<https://solana-mainnet.dexmev.c...>

Working


50.2 MS


Healthy

Slot: 352,237,560
Solana Core: 2.216
Block Time: 10 Jul 2025

c) Token Utility (Planned)

The native token will serve multiple purposes:



Access to advanced strategies Fee discounts



Governance and voting



Staking for reward share from validator pool

Revenue Sharing

We believe in a shared upside model where rewards are distributed fairly across the ecosystem:



Task Title:

Design a Revenue Flow Graphic for DexMEV Ecosystem



Content to Include:

Title: "Revenue Sharing Model in DexMEV Ecosystem"



Flow Start:

MEV Revenue (Total Value)

Distribution (in descending order or side branches):

Role	Label on Graphic	Notes
End User	"Main MEV Profit Receiver"	Show as the final receiver
Node Operator	"gRPC Node Infrastructure Share"	
Validator	"Validator Execution Cut"	
DexMEV Platform	"Performance & Platform Fee"	
Token Holders	"Future Staking Rewards (TBD)"	Optional element / grayed

ROADMAP

Phase

Infrastructure setup (gRPC nodes, validator integration)
Strategy simulation sandbox
Security audit prep

00

Phase

token launch
App on ios (TestFlight)
Referral system for users
DexMev gRPC node rentals
Onboard institutional validators (white-label offering)

02

01

Phase

Launch of internal MEV strategies
Beta Lunch
Mobile UI
Feedback from early access
Community expansion

03

Phase

Full Power
Alpha Product Launch
Plug-and-play strategy templates
"One-click bot" deployment for mobile users
SDK & API access for strategy devs
Custom strategy builder UI (no-code logic flow)
Weekly stats/leaderboards (top MEV users/bots)

04

Phase

Dynamic priority fees engine
MEV Hook API
Pre-confirmation simulation cluster
B2B licensing of infrastructure (custom bots or dashboards)



DexMev

Community & Governance

DexMev is committed to transparency and community-driven development. Join our channels to participate in discussions, governance proposals, and early product tests:



Discord



Telegram



X.com



Instagram