

Arius Token (AUS) - Whitepaper

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1. Introduction:

Arius Token (AUS) is a BEP-20 compliant token on Binance Smart Chain (BSC), built to fund the development of an open-source AI platform accessible to everyone. Arius merges blockchain tokenomics with real-world AI utility.

2. Smart Contract Overview:

- OpenZeppelin audited libraries (ERC20, Ownable, ReentrancyGuard, Pausable).
- Time-locked transfers (90 days) to protect investors.
- Presale with bonding curve pricing after 100th purchase.
- Auto burn mechanism (0.5% per purchase).
- Staking rewards with APR tiers (20%, 40%, 70%).

3. Tokenomics:

- Token Name: Arius Token
- Symbol: AUS
- Standard: BEP-20
- Decimals: 18
- Total Supply: 1,000,000,000 AUS
- Initial Price: \$0.0005
- Initial Market Cap: \$500,000

Allocation:

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- Presale: 40% (400M tokens)
- Owner Allocation: 40% (400M tokens)
- Staking Rewards: 20% (200M tokens)

4. Presale Mechanics:

- Duration: 90 days
- Initial Price: \$0.0005 (BNB equivalent)
- Bonding curve: After 100 purchases, each purchase increases price by 0.1%
- Hard Cap: 1000 BNB
- Lockup: All presale tokens locked for 90 days.

Price Formula:

$$\text{Price_current} = \text{BasePrice} \times (1 + (\text{PresaleCount} - 100) / 1000)$$

5. Token Burn:

0.5% of tokens are burned per presale purchase, increasing scarcity.

6. Staking Model:

- 90 days: 20% APR
- 180 days: 40% APR
- 365 days: 70% APR

Rewards distributed post-lockup from rewards pool.

7. Security Features:

- ReentrancyGuard: Anti-reentrancy protection.

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- Pausable: Emergency stop mechanism.
- Time-lock: Initial 90-day transfer lock.
- 2% Transfer Tax: Funds operational liquidity during early stage.

8. Governance & Ownership:

- Ownership: Controlled by deployer (multi-sig planned post-launch).
- Fixed supply: No minting function post-deployment.
- Owner roles: Limited to liquidity, rewards pool, and pause control.

9. Audit & Compliance:

- Libraries: OpenZeppelin standards.
- Audit: Planned with CertiK or Hacken pre-launch.
- Transparency: Public audit report for investor confidence.

10. Roadmap:

Phase 1: Deployment, presale launch, marketing.

Phase 2: PancakeSwap listing, CMC & CoinGecko listings, AI MVP.

Phase 3: Multi-chain expansion, DAO governance, AI Marketplace.

11. Utility & Revenue:

- Transaction tax supports liquidity & operations.
- AUS used for payments in AI platform services.
- Staking generates investor rewards.

12. Investor Protection:

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- 90-day lockup reduces dumping.
- Transparent on-chain reward pools.
- Full visibility on BSCScan.

Conclusion:

Arius Token is a secure, audited token merging blockchain with AI development funding. With strong tokenomics, presale growth mechanics, and staking incentives, AUS is designed to deliver lasting value for investors and build a free AI ecosystem for everyone.