

RSM-COIN

SOLANA MAINNET DEPLOYMENT GUIDE

Step-by-step instructions for deploying RSM token on Solana Mainnet

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1. PREREQUISITES

- Solana CLI installed (v1.17+)
- Node.js 18+ and npm/yarn
- SOL tokens for deployment fees (~2-5 SOL)
- Mainnet RPC endpoint (Helius, QuickNode, or public)
- Hardware wallet recommended (Ledger)

2. WALLET SETUP

2.1 Create Deployment Wallet

```
solana-keygen new --outfile ~/.config/solana/rsm-deploy.json
```

IMPORTANT: Backup the seed phrase securely. This wallet will be the token authority.

2.2 Fund the Wallet

Transfer minimum 5 SOL to cover: token creation (~0.5 SOL), metadata upload (~0.1 SOL), mint authority setup (~0.1 SOL), reserve for transactions (~4 SOL).

2.3 Configure Solana CLI

```
$ solana config set --url https://api.mainnet-beta.solana.com  
$ solana config set --keypair ~/.config/solana/rsm-deploy.json  
$ solana balance # Verify funds
```

3. TOKEN CREATION

3.1 Install SPL Token CLI

```
$ cargo install spl-token-cli
```

3.2 Create Token Mint

```
$ spl-token create-token --decimals 9
```

Save the output token address! This is your RSM token mint address.

3.3 Create Token Account

```
$ spl-token create-account
```

3.4 Mint Initial Supply

```
$ spl-token mint 100000666
```

This mints the full 100,000,666 RSM supply to your wallet.

4. TOKEN METADATA

4.1 Prepare Metadata JSON

Upload to Arweave or IPFS:

```
{ "name": "RSM-COIN", "symbol": "RSM", "description": "Recursive Self-Modeling Token - AGI-Powered Blockchain", "image": "https://rsm-coin.io/logo.png", "external_url": "https://rsm-coin.io", "attributes": [ {"trait_type": "Category", "value": "AGI Token"}, {"trait_type": "Blockchain", "value": "Solana"}, {"trait_type": "Standard", "value": "SPL"} ] }
```

4.2 Attach Metadata (using Metaplex)

Use Metaplex Token Metadata program to attach name, symbol, and URI to your token.

5. VERIFICATION

5.1 Verify on Solscan

Visit: <https://solscan.io/token/>

5.2 Checklist

- Token appears on Solscan
- Correct supply (100,000,666 RSM)
- Metadata displays correctly
- Decimals = 9
- Authority = your wallet

Deployment Complete! Proceed to DEX Listing.