## **Steps to Create a Wallet Using Solana CLI**

### **1. Install Solana CLI**

Open your terminal and run the following command to install Solana CLI:

bash

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sh -c "$(curl -sSfL https://release.solana.com/stable/install)"

### **2. Add Solana CLI to PATH**

If the Solana CLI path isn’t automatically added, run this command to include it in your PATH:

bash

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export PATH="/home/username/.local/share/solana/install/active\_release/bin:$PATH"

Make sure to replace /home/username/ with the correct path where Solana CLI was installed.

### **3. Verify Solana CLI Installation**

To check if the Solana CLI is installed properly, run the following:

bash

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solana --version

This command should return the installed version of Solana.

### **4. Create a New Wallet**

To generate a new Solana wallet (keypair), use the following command:

bash

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solana-keygen new

The output will display the public key (wallet address) and a seed phrase. It will look something like this:

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Wrote new keypair to /home/username/.config/solana/id.json

==================================================================================

pubkey: 5rnnTwVffRTUpDJ8e4TWZ3m4ruA57ahrgMXwG8q7kXWU

==================================================================================

Save this seed phrase and your BIP39 passphrase to recover your new keypair:

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**Important Notes:**

* **Public Key**: This is your wallet address, used to receive SOL tokens and interact with the Solana network.
* **Seed Phrase**: This is crucial for recovering your wallet. Store it in a safe place.

### **5. Check Wallet Address**

To view your wallet’s public key, run the following command:

bash

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solana address

### **6. Fund the Wallet with SOL (Devnet)**

You can request an airdrop of SOL tokens for testing purposes by running this command:

bash

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solana airdrop 1

This command will send 1 SOL to your wallet on the **Devnet**.

### **7. Check Wallet Balance**

To check your wallet's SOL balance, use the following command:

bash

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solana balance

### **8. Save Keypair to a Specific File (Optional)**

If you prefer to save your keypair to a specific file, use this command to specify the file location:

bash

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solana-keygen new --outfile ~/my\_solana\_wallet.json

This command will save the generated keypair to the my\_solana\_wallet.json file.