Ethereum Private Key List 22.03.2025
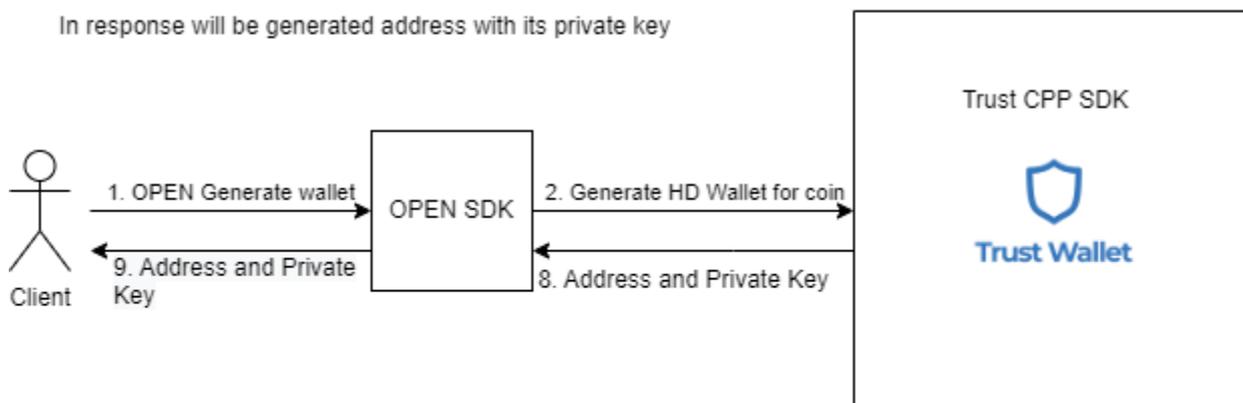
OPEN Generate HD Wallet

In response will be generated address with its private key

Trust CPP SDK

Trust Wallet

Client

1. OPEN Generate wallet

OPEN SDK

2. Generate HD Wallet for coin

9. Address and Private Key

8. Address and Private Key

Coin Types

0   - BTC

60   - ETH

714 - BNB

3. Create New HD Wallet with 128 length Mnemonic Words

4. Parse Blockchain public address for given coin type

5. Parse Blockchain Private Key for given coin type

6. Send address to Open State

7. Return address and private key

bip39-phrase.com – 2025

What Is an Ethereum Private Key?
An Ethereum private key is a randomly generated 256-bit number that acts as the sole credential proving ownership of ETH and ERC-20 tokens stored at a specific address on the Ethereum blockchain. Represented as a 64-character hexadecimal string (often prefixed with "0x"), the private key cryptographically derives your public key and Ethereum address. Anyone with access to your private key can move your funds, making it the single most sensitive piece of data in cryptocurrency.

How Trust Wallet Handles Ethereum Private Keys
Trust Wallet is a hierarchical deterministic (HD) wallet that uses a single BIP39 mnemonic phrase to generate all of your private keys — including your Ethereum key — according to BIP32/44 standards. You never need to manually create or store separate keys for each blockchain; Trust Wallet derives and encrypts them behind your app's PIN or biometric lock. This design ensures convenience without sacrificing security.

Exporting and Importing Your Ethereum Private Key in Trust Wallet
• Exporting:
   1. Open Trust Wallet and select your Ethereum wallet.
   2. Tap the three-dot menu in the top right corner and choose "Show Private Key."
   3. Authenticate with your PIN or fingerprint, then copy or securely record the key (hex format).
• Importing:
   1. Tap the "+" icon on Trust Wallet's home screen and select "Import Wallet."
   2. Choose "Private Key," paste your 64-character key, and confirm.
   3. Your Ethereum address and balance will appear in Trust Wallet.

Security Best Practices
Your Ethereum private key is the only proof of ownership for your ETH and tokens. Never store it digitally (screenshots, text files, email, or cloud storage). Instead, write it down on paper or engrave it on a fire- and water-resistant metal plate, storing copies in separate secure locations. Do not share it with anyone — legitimate support teams will never ask for your private key.

If Your Private Key Is Compromised
If you suspect exposure (malware infection, phishing, or physical theft), immediately create a brand-new Trust Wallet (or any BIP39-compatible wallet) to generate a fresh mnemonic phrase and private key. Transfer all ETH and tokens from the compromised address to your new address, then destroy any records of the old key.

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