

Fountain Protocol — Official Hedera Specs & Docs (HTS / HCS / EVM)

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1) HTS: Token Keys, Freeze/Pause/Wipe, Native Tokenization

- HTS Native Tokenization (overview):

<https://docs.hedera.com/hedera/core-concepts/tokens/hedera-token-service-hts-native-tokenization>

- Create a token (keys overview & setup):

<https://docs.hedera.com/hedera/sdks-and-apis/sdks/token-service/define-a-token>

- Freeze an account (per-account freeze semantics):

<https://docs.hedera.com/hedera/sdks-and-apis/sdks/token-service/freeze-an-account>

- Unfreeze (API reference):

<https://docs.hedera.com/hedera/sdks-and-apis/hedera-api/token-service/tokenunfreezeaccount>

- Pause a token (global pause):

<https://docs.hedera.com/hedera/sdks-and-apis/sdks/token-service/pause-a-token>

- TokenPause (API reference):

<https://docs.hedera.com/hedera/sdks-and-apis/hedera-api/token-service/tokenpause>

- Wipe a token (burn from account):

<https://docs.hedera.com/hedera/sdks-and-apis/sdks/token-service/wipe-a-token>

- Tutorial: Pause/Freeze/Wipe (HTS x EVM):

<https://docs.hedera.com/hedera/tutorials/smart-contracts/hts-x-evm->

[part-3-how-to-pause-freeze-wipe-and-delete-nfts](#)

2) HTS x EVM (Precompile 0x167) and ERC-20 on Hedera

- System Smart Contracts (HTS precompile; address 0x167 + repo):

- <https://docs.hedera.com/hedera/core-concepts/smart-contracts/system-smart-contracts>

- HIP-206: HTS Precompiled Contract (design spec):

- <https://hips.hedera.com/HIP/hip-206.html>

- ERC-20 on Hedera (tokens managed by smart contracts):

- <https://docs.hedera.com/hedera/core-concepts/smart-contracts/tokens-managed-by-smart-contracts/erc-20-fungible-tokens>

- ERC/EVM-Compatible Tokenization (facade contracts):

- <https://docs.hedera.com/hedera/core-concepts/tokens/erc-evm-compatible-tokenization>

3) HCS: Topics & Messages (for daily tuples)

- Create a Topic (Consensus Service):

- <https://docs.hedera.com/hedera/sdks-and-apis/sdks/consensus-service/create-a-topic>

- Submit a Message:

- <https://docs.hedera.com/hedera/sdks-and-apis/sdks/consensus-service/submit-a-message>

- Tutorial: Submit your first message:

- <https://docs.hedera.com/hedera/tutorials/consensus/submit-your-first-message>

4) Mirror Node REST API (for holders, balances, topics)

- REST API Overview:

- <https://docs.hedera.com/hedera/sdks-and-apis/rest-api>

- Balances endpoint (accounts snapshot):

- <https://docs.hedera.com/hedera/sdks-and-apis/rest-api/balances>

- Tokens endpoints (details, balances, NFTs, tx history):

- <https://docs.hedera.com/hedera/sdks-and-apis/rest-api/tokens>

- Mirror Nodes (concepts):

- <https://docs.hedera.com/hedera/core-concepts/mirror-nodes>

5) Wallet Integration (HashPack / WalletConnect / HashConnect)

- HashConnect (library repo):

- <https://github.com/Hashpack/hashconnect>

- HashPack WalletConnect docs:

- <https://docs.hashpack.app/dapp-developers/walletconnect>

- HashPack Developers hub:

- <https://www.hashpack.app/developers>

6) DEX Context (SaucerSwap on Hedera)

- SaucerSwap Docs:

- <https://docs.saucerswap.finance/>

- SaucerSwap V2 Whitepaper (PDF):

- <https://www.saucerswap.finance/whitepaper-v2.pdf>

Notes:

- Use testnet Mirror base: <https://testnet.mirrornode.hedera.com>

- For precompile usage (HTS in Solidity), reference the system

contract IHederaTokenService in the official repo linked from the system smart contracts page.