getAccountNonce

Returns the current nonce of the smart account for a specified key.

Usage

example.ts client.ts ```

File example.ts import{ publicClient }from"./client.ts" import{ getAccountNonce, ENTRYPOINT_ADDRESS_V07 }from"permissionless"

constnonce=awaitgetAccountNonce(publicClient, { address:"0x277F6C1D8d4faFA3d8DcC837489cd69d86c682BA", entryPoint:ENTRYPOINT_ADDRESS_V07, key:0n// optional }) // 23n

```

## Returns

- Type:
- bigint

The current nonce of the smart account for the specified key (both the key and the sequence concatenated together into one uint256).

## Parameters

### address

- Type:
- Address

The address of the smart account.

### entryPoint

- Type:
- Address

The entry point address.

### key (optional)

- Type:
- bigint

The key of the nonce. Defaults to 0n.

Instead of sequential nonce, ERC-4337 implements a nonce mechanism that uses a single uint256 nonce value in the UserOperation, but treats it as two values, a 192-bit "key", and a 64-bit "sequence". These values are represented on-chain in the EntryPoint contract. For each key the sequence is validated and incremented sequentially and monotonically by the EntryPoint for each UserOperation, however a new key can be introduced with an arbitrary value at any point.