## Must be a string parsable by the underlying uuid library's parse function. This typically means the standard 36-character hexadecimal string representation including hyphens (e.g., "123e4567-e89b-12d3-a456-426614174000"). Conforms to RFC 4122 which defines UUID structure and representation. Must be a Uint8Array containing exactly 16 bytes. These bytes represent the raw 128-bit binary value of the UUID. The constructor validates the length. Represents the binary structure defined in RFC 4122. Required EllipticCurve (enum value, which resolves to a number like 1 for P256, 8 for secp256k1, 6 for Ed25519, etc.) The numeric identifier for the cryptographic elliptic curve used by the blockchain or asset, as defined in the IANA COSE Elliptic Curves registry (RFC 9053). The integer identifier for the base blockchain or cryptocurrency, as defined in the SLIP-44 "Registered coin types for BIP-0044" registry (e.g., 0 for Bitcoin, 60 for Ethereum, 501 for Solana). or more elements, where each element can be a number, a string, or a byte array). Chain ID (as a number) for EVM-compatible chains (where type is typically 60). Example: [1] for Ethereum Mainnet. string | PathComponent[]

Bytes (e.g., Uint8Array, Buffer in JS/TS; []byte in Go).

format (65 bytes) will produce an incorrect fingerprint

according to the standard.

is specified in BIP-32.

BIP-32.

Must be the compressed public key format (33 bytes long,

The public key corresponding to the parent or master key

whose fingerprint is needed. The derivation and format of

public keys are defined by standards relevant to the elliptic

curve being used (e.g., SEC standards for secp256k1) and

The 33-byte compressed public key from step 1.

Applies two cryptographic hash functions sequentially:

RIPEMD160(SHA256(compressed\_public\_key\_bytes)).

A standard cryptographic hashing process combining

Select the first 4 bytes (bytes 0, 1, 2, 3) from the 20-byte

A 4-byte (32-bit) value. This is the fingerprint in its raw byte

This selection process is the specific definition of the key

The 20-byte HASH160 result from step 2.

fingerprint as defined in BIP-32.

SHA-256 and RIPEMD-160. Its use for creating key identifiers

typically starting with 0×02 or 0×03). Using the uncompressed

## Optional Array<number | string | Uint8Array> (An array containing one Used for further specification beyond the base SLIP-44 type. Its meaning is convention-based but Often holds the EIP-155 The sequence of derivation steps. The string format adheres to BIP-32 / SLIP-10 notation (e.g., m/44'/0'/0'/0) and also supports extensions like ranges (1-5'), wildcards (\*), and pairs (<0;1>) defined by Bitcoin Core Output Descriptors and incorporated into BCR-2020-007. Optional Source Fingerprint 0xabcdef12 The 4-byte fingerprint identifying the ancestor key (parent or master) from which the path begins. It must be a positive integer. The concept and calculation method (first 4 bytes of HASH160 of compressed public key) are defined in BIP-32. Its specific use and field name within the keypath structure are defined in BCR-2020-007. Optional The number of derivation levels from the ultimate root master key (depth 0) to the key identified by sourceFingerprint. The concept is defined in BIP-32. Its specific use and field name within the keypath structure are defined in BCR-2020-007.

**Tag**: 37 **URType**: cbor-uuid **Standards:** IANA CBOR Tag Registry: Tag 37 RFC 4122: Defines the UUID structure itself. Optional UUID instance | string (standard format) | Uint8Array (16 bytes) undefined (will be auto-generated) A unique identifier for the request (RFC 4122 UUID). Encoded using the cbor-uuid UR type (Tag 37). CoinIdentity instance Specifies the target blockchain and curve. Encoded using the coin-identity UR type Coin Identity (Tag 41401). Uses COSE curve identifiers **Tag**: 41401 and SLIP-44 coin types internally. **URType**: coin-identity Standard: Custom Optional Keypath instance | string (BIP-32 + Output Descriptor format) undefined The HD derivation path. Encoded using the keypath UR type (Tag 40304). Structure defined by BCR-2020-007, notation based on BIP-32/SLIP-10 + Output Descriptors. Buffer | Uint8Array (must not be empty) The raw binary data (transaction bytes, message hash, etc.) that needs to be signed. Represented as bytes in CBOR. Optional string undefined A simple text string indicating the source application/wallet. Represented as text in **Tag**: 40304 **URType**: keypath Standards: BCR-2020-007 Optional BIP-32 / SLIP-10: BIPs 380-389 number (integer) undefined An integer representing a blockchainspecific transaction type (e.g., EIP-2718 types for Ethereum). Represented as int in CBOR. Optional string | Uint8Array | undefined The sender address, provided as either a string (format depends on the chain) or raw bytes. Represented as string / bytes in CBOR.

**Tag:** 41411

**URType**: sign-request

Standard: Custom