Stealth eXplorer - Wallet Commands

SX Command Map : 2014.08.16

Legend

- JSON | XML | Info Text
- Binary File
- Base-58 Encoding
- Base-16 Encoding
- No Input

← Private | Public →

WIF Private Key
(maintains compression flag)

Dashed lines indicate a path that cannot round trip because EC Private Key does not maintain compression context.

wif-to-ec
(loses compression flag)

ec-to-wif
(set compression flag?)

wif-to-ec
(apply compression flag)

**ec-lock /
ec-unlock**

BIP-38 (commands not yet implemented).

QR Code
(image)

qrcode

EC Private Key
(locked or unlocked)

ec-to-public
(use compression?)

EC Public Key
(compressed or uncompressed)

ec-to-address

Bitcoin Address

ec-new

seed

Seed

mnemonic-decode

mnemonic-encode

Wallet
(mnemonic)
(BIP-39)

Current implementation is Electrum compatible (not BIP-39)

hd-new

hd-to-ec
(loses compression context)

hd-to-ec
(always compressed)

HD Private Key
(BIP32)

**hd-public /
hd-to-public**

HD Public Key
(BIP32)

This command is redundant but is a convenient shortcut for what otherwise requires 2 or 3 commands in sequence.

hd-private

hd-public

hd-to-wif
(sets compression flag)

hd-to-address
(redundant/shortcut)

Stealth eXplorer - Stealth Wallet Commands

Legend
- JSON | XML | Info Text
- Binary File
- Base-58 Encoding
- Base-16 Encoding
- Simple Value

Spend Public Key

Ephemeral Public Key

Scan Public Key

Stealth Address

QR Code (image)

qrcode

stealth-address-encode

stealth-scan-public

stealth-shared-secret

stealth-ephemeral-pubkey

Shared Secret

stealth-ephemeral-secret

Spend Secret

Ephemeral Secret

Scan Secret

stealth-shared-secret

Number of Signatures

stealth-address-decode

Stealth Address

Stealth eXplorer - Online Commands

Legend
- 🟡 JSON | XML | Info Text
- 🟣 Simple Value
- 🟢 Base-58 Encoding
- 🔵 Base-16 Encoding
- ⚪ No Input / Output
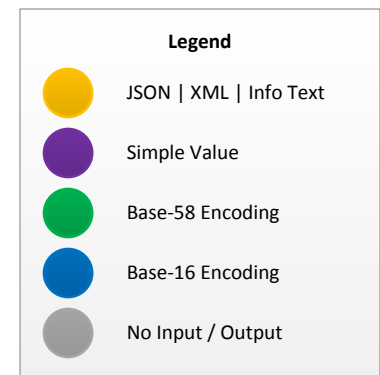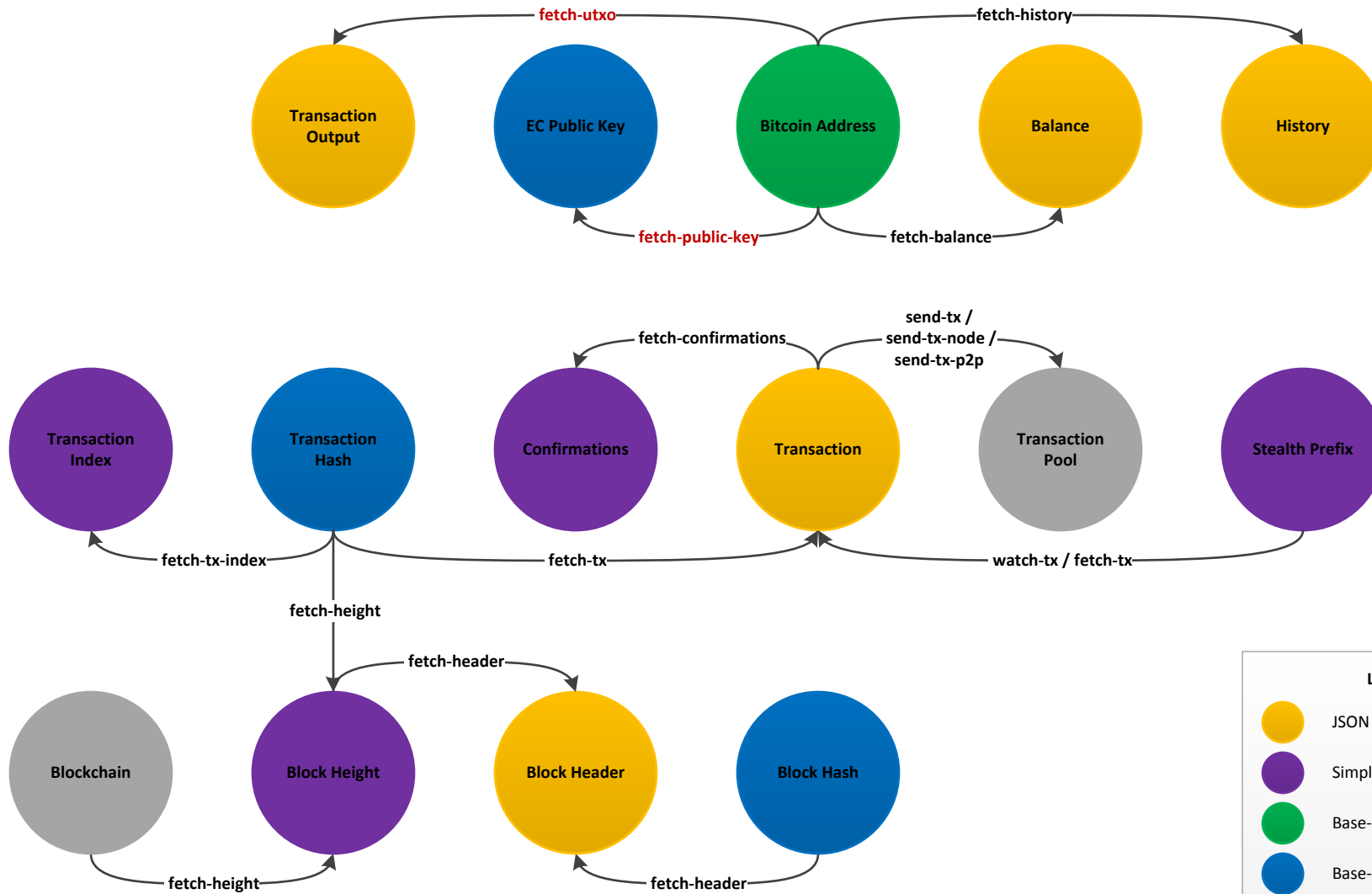
Stealth eXplorer – Transaction Commands
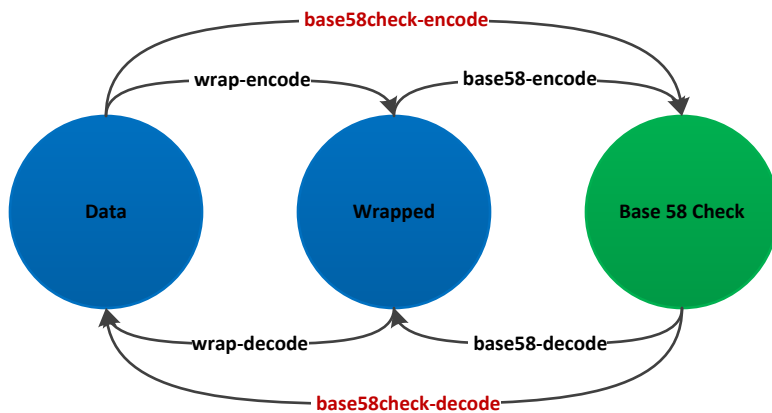

Legend

- JSON | XML | Info Text
- Simple Value
- Base-58 Encoding
- Base-16 Encoding
- No Input

Script (mnemonic)

Script

Bitcoin Address

script-encode

script-to-address

script-decode

Transaction

Output Point

Input Point

Transaction

Index

tx-encode

tx-decode

tx-sign

input-set

EC Public Key

EC Private Key

input-validate

input-sign

Valid

Signature

Nonce

seed
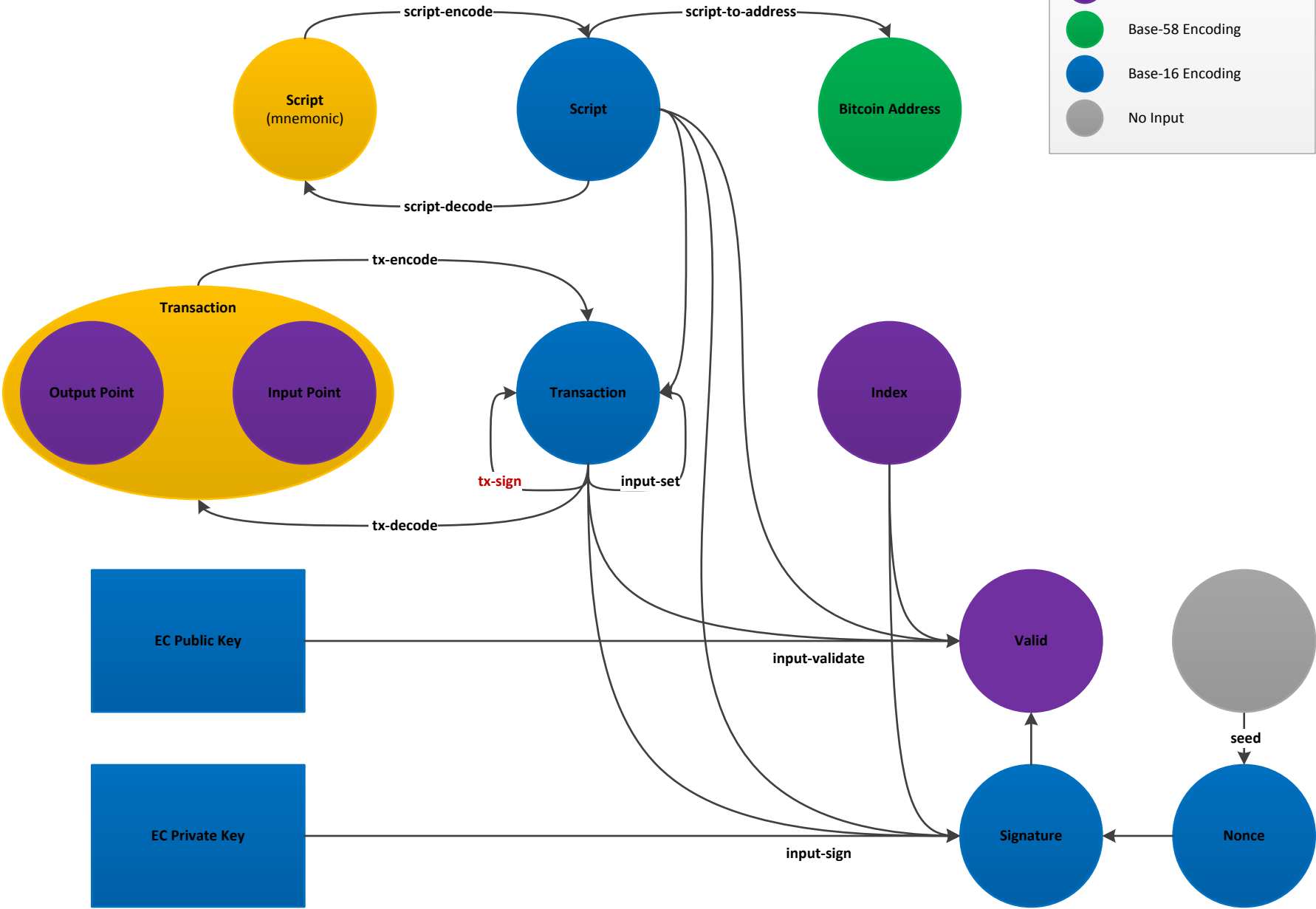
Stealth eXplorer - Hash Commands
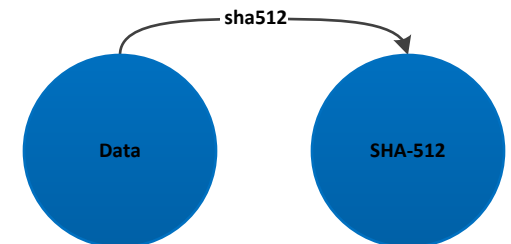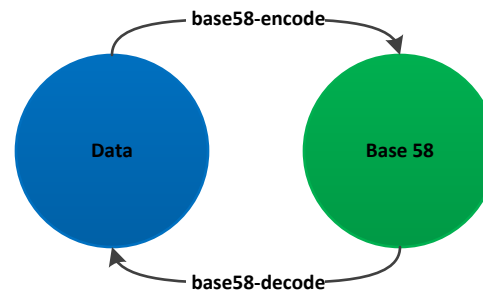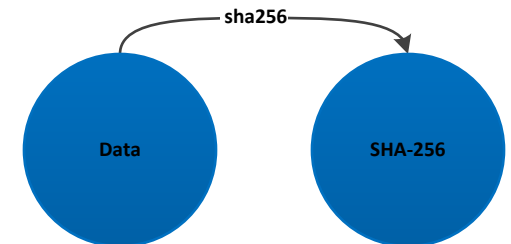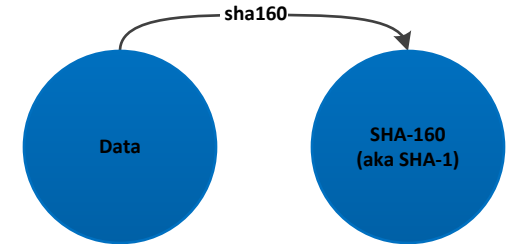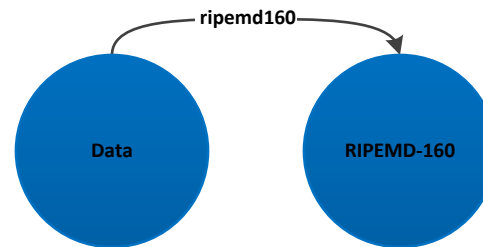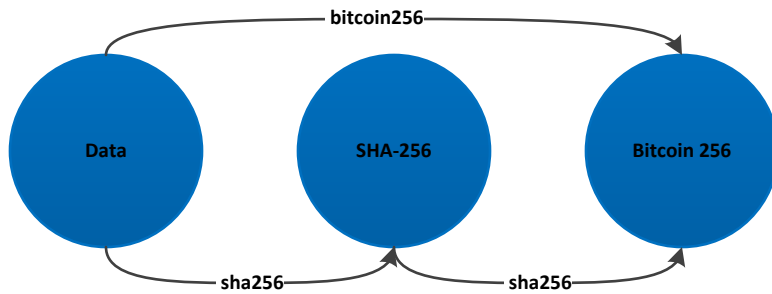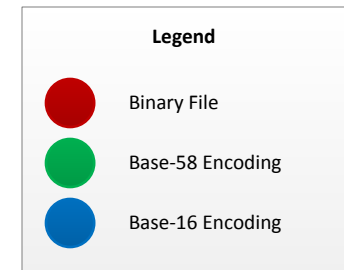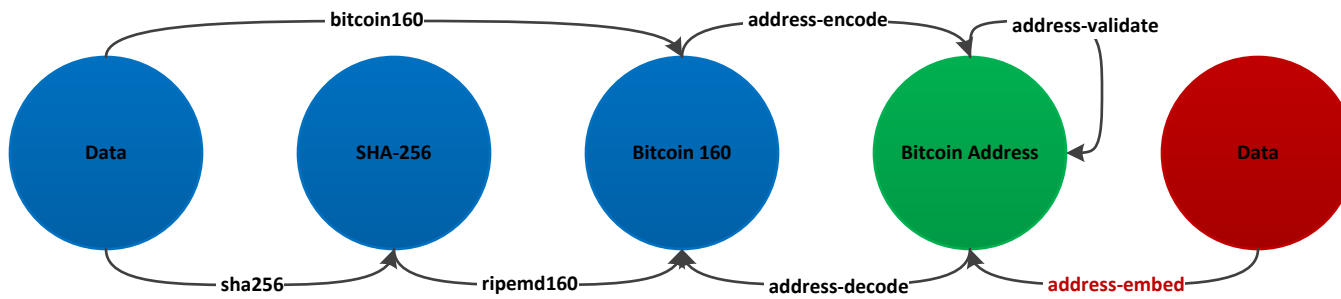
Stealth eXplorer - Math Commands

Legend

- Math Function
- Simple Value
- Base-16 Encoding

Satoshi — satoshi-to-btc → BTC

BTC — btc-to-satoshi → Satoshi

ec-add
- Private
- Public

ec-add-secrets
- Private
- Private

ec-multiply
- Private
- Public

ec-multiply-secrets
- Private
- Private