ChainSafe Gaming SDK

EVM Blockchain

Block number

Get the current latest block number

```
1  string chain = "ethereum";
2  string network = "mainnet"; // mainnet ropsten kovan rinkeby goerli
3
4  int blockNumber = await EVM.BlockNumber(chain, network);
5  print(blockNumber); Some code
```

Balance Of

Get the balance of the native blockchain

```
1  string chain = "ethereum";
2  string network = "rinkeby"; // mainnet ropsten kovan rinkeby goerli
3  string account = "0xdD4c825203f97984e7867F11eeCc813A036089D1";
4
5  string balance = await EVM.BalanceOf(chain, network, account);
6  print(balance);
```

Verify

Verify a signed message.

```
1  string message = "YOUR_MESSAGE";
2  string signature = "0x94bdbebbd0180195b89721a55c3a436a194358c9b3c4eafd22484085563ff55e49a4!
3
4  string address = await EVM.Verify(message, signature);
5  print(address);
```

Transaction Status¶

```
1  string chain = "ethereum";
2  string network = "mainnet";
3  string transaction = "0x911d4ec9193e0dc14d9d034d88c311453112c5097f29c366ccc9c5e5bc7072e1";
4
```

```
5 string txConfirmed = await EVM.TxStatus(chain, network, transaction);
6 print(txConfirmed); // success, fail, pending
```

Nonce

```
1 string chain = "ethereum";
2 string network = "rinkeby";
3 string account = "0xdD4c825203f97984e7867F11eeCc813A036089D1";
4
5 string nonce = await EVM.Nonce(chain, network, account);
6 print(nonce);
```

Convert WEI to ETH and ETH to WEI

```
1 float eth = float.Parse("0.1");
2 float decimals = 1000000000000000000; // 18 decimals
3 float wei = eth * decimals;
4 print(Convert.ToDecimal(wei).ToString());
5
6 float wei = float.Parse("10123755");
7 float decimals = 1000000000000000000; // 18 decimals
8 float eth = wei / decimals;
9 print(Convert.ToDecimal(eth).ToString());
```