ChainSafe Gaming SDK

ERC20

A standard interface for tokens.

Balance Of

```
1 string chain = "xdai";
2 string network = "mainnet";
3 string contract = "0xa106739de31fa7a9df4a93c9bea3e1bade0924e2";
4 string account = "0x000000ea89990a17Ec07a35Ac2BBb02214C50152";
5
6 BigInteger balanceOf = await ERC20.BalanceOf(chain, network, contract, account);
7 print(balanceOf);
```

Name

Returns the name of the token. E.g. "Wrapped Ether"

```
1 string chain = "xdai";
2 string network = "mainnet";
3 string contract = "0xa106739de31fa7a9df4a93c9bea3e1bade0924e2";
4
5 string name = await ERC20.Name(chain, network, contract);
6 print(name);
```

Symbol

Returns the symbol of the token. E.g. "WETH".

```
1 string chain = "ethereum";
2 string network = "mainnet";
3 string contract = "0xdac17f958d2ee523a2206206994597c13d831ec7";
4
5 string symbol = await ERC20.Symbol(chain, network, contract);
6 print(symbol);
```

Decimals

Returns the number of decimals the token uses - e.g. 8, means to divide the token amount by 100000000 to get its user representation.

```
1  string chain = "xdai";
2  string network = "mainnet";
3  string contract = "0xa106739de31fa7a9df4a93c9bea3e1bade0924e2";
4
5  BigInteger decimals = await ERC20.Decimals(chain, network, contract);
6  print(decimals);
```

Total Supply

Returns the total token supply.

```
1  string chain = "ethereum";
2  string network = "mainnet";
3  string contract = "0x6b3595068778dd592e39a122f4f5a5cf09c90fe2";
4
5  BigInteger totalSupply = await ERC20.TotalSupply(chain, network, contract);
6  print(totalSupply);
```