

ErgoSock

ErgoSock is a library for establishing connections to Ergo nodes. It provides the core parts like message and handshake parsing and handling.

Sample code (class names, project name and API subject to change):

```
ErgoSocket ergoSocket = new ErgoSocket(address,
Version.parse("4.0.25"), "ergoref", "ergosocket-sample");
ergoSocket.sendHandshake();
ergoSocket.acceptHandshake();
ergoSocket.sendMessage(new Message(MessageCodes.GET_PEERS, new
byte[0]));
```

Just about every Ergo wallet uses a specific (or configurable, but no users will do that) remote node. While Satergo supports embedded full node mode, remote node usage is expected to be the most popular because of the short time needed to get started and no disk space usage. The problem however is that by relying on a single node, you risk the node going offline (has happened), the node getting attacked, getting shutdown by governments or going rogue and denying transactions.

There exists a few hundred nodes in the Ergo network but not many of them expose the HTTP interface which is the base of most wallets. By using ErgoSock, wallets can use the normal P2P connection to facilitate transactions and node discovery. Proper node discovery using seed nodes is very simple to do and removes the risk of having to rely on a single node.

Submitted by Aberg. Code will be on GitHub soon.