Main.cpp

Helper Functions

- · void SendCode();
- void recievePeers();
- string createReport();
- string getIPAddress();
- void registryConnect();
- void peerConnect();
- void setSnipString(string str);
- void setPeerString(string str);
- string getDate();
- int findPeer(vector<Peer> vec, Peer peer>
- void sendPeerMessages(string message);
- string getTimestamp()

Thread Functions

- void processSnip();
- void processPeer();
- void endUserMenu();
- void sendPeersPeriodically();

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Peer

- ip: string

- port : string

- seconds_since_active : long

+ Peer(string)

+ setAddress(string) : void

+ getAddress(): string

+ getIP(): string

+ getPort(): string

+ setActive(): void

+ active(): bool

+ equals(Peer) : bool

Peer.cpp

RecdPeer

- source : Peer

- recd : Peer

- date : string

<Use-

+ RecdPeer(Peer, Peer, string)

+ toString(): string

+ getSource(): Peer

+ getRecd(): Peer

(¦` Use

Snippet

- timestamp : int

- message : string

- source : Peer

- date : string

+ Snippet(int, string, Peer, string)

+ toString(): string

+ getTimestamp : int

SentPeer

- dest : Peer

Use

sent : Peerdate :string

+ SentPeer(Peer, Peer, string)

+ toString(): string