## device

Userid      string  ← same
Devicename  string  ← same
Deviceid    uuid.UUID
Ipaddr      net.IP
Indata      chan byte
Inrequests  chan *contentinfo
Outdata     chan byte
Consentlist map [string] contentinfo
Online      bool

## deviceinfo

Userid      string
Devicename  string

## Content

contentref   os. File

## contentinfo

Senderid    uuid. UUID
Receiverid  uuid. UUID
Sizebytes   int64
Name        string
Timestamp   time. Time.

## Device Authentication Workflow:



abbr_si
  deviceinfo

self info

device

Client

file to send to Client 2

cont
Content

ci
contentinfo

1.

2.

ambassador
Recursive Function

Authenticate

Server

Device JSON Function

device list
File

Client 2

Client 2