Cover

Cover cover cover

Cover cover

cover

# Functionality

Talk talk talk intro

## Login

Create Account

Startup login

Commands only available to AuthUsers

Authorisation

### Login

Authenticate

Login on startup

### Why messages are what they are

**Login messages response text**

# Protocol and Messages

Login

**{type:**

**…**

**}**

**outline function of execute**

Authenticate (create account)

**{type:**

**…**

**}**

**outline function of execute**

AuthResponse

**{type:**

**…**

**}**

**outline function of execute**

StartRequest

**{type:**

**…**

**}**

**outline function of execute**

StartResponse

**{type:**

**…**

**}**

**outline function of execute**

# Security Concerns

Client

Code injection

Server

Only takes Messages from comm channel

Communication channel

### Eavesdropping

Strait up reading of messages

SSL

Information Leakage

Discuss

### Masquerading

Certificate cracking

Certificate lifetime, plaintext

### Message tampering

SSL

Code injection/Mobile code 🡪 JSON message protocol

### Replaying

Sequence numbers in messages

### Denial of Service

“Please Don’t” text at start of application