



*"Oh magic conch shell, tell me the chrome passwords of the victim machine"*

C2 Server & Client

- Operators can login via client interface and get an overview of the current state of server and implants
- Server interacts with implants on victim machines (send commands/DLL and get results)

Implant

- Get basic info of victim machine
- Get tasks from server and execute them
- Inject stealer DLL into remote processes
- Return results (chrome passwords) to Server

Technical Overview of the Application

C2 Server:

- Development = Flask
- Client authentication: Flask-Login
- Database = MySQL+SQLALCHEMY
- Deployment = Heroku
- Encryption = AESGCM

Implant:

- Symmetric Encryption using AESGCM
- HTTPs Communication Between C2 and Implant
- Shell Command Execution by creating new process and communicating through named pipe
- Shellcode Injection using Donut to execute next stage payload
- Communicating with Steganography

Development Journey

C2 Outline

- Implant can register with server
- Operator can log into server
- Implant and server communication with json

Encryption

- HTTPs (TLS over HTTP)
- Symmetric encryption of communication using AESGCM

Shellcode/DLL Injection

- Transforms the implant into a loader that gets stealer DLL from server
- Injecting the stealer into a remote process

Stealer.dll

- Steals chrome passwords from victim machine