

Last Name: Champagne
First Name: Steven
Course: CPSC526
Assignment: 6: IRC Controller/Bot
Tutorial: T03
Date: 2017-12-3
Files Submitted: conbot.py, bot.py, report.pdf

How to run:

CONBOT: conbot.py <host> <port> <channel> <secret>

BOT: bot.py <host> <port> <channel> <secret>

Script Example and Outputs:

Launch conbot: \$ python3 conbot.py 162.246.156.17 12399 cpsc526 SECRET

Launch 4 bots: \$ python3 bot.py 162.246.156.17 12399 cpsc526 SECRET

Launch NetCat: \$ nc -k -l 9000

In conbot: >> identify
>> status
>> attack noHost 1
>> attack localhost 9000
>> move 162.246.156.17 12399 somewhere
>> quit

Launch conbot: \$ python3 conbot.py 162.246.156.17 12399 somewhere SECRET

In conbot: >> identify
>> shutdown
>> quit

OUTPUTS

Conbot output:

```
File Edit View Search Terminal Help
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 conbot6.py 162.246.156.17 12399 cpsc526 SECRET
--> HOST: 162.246.156.17
--> PORT: 12399
--> CHANNEL:
--> SECRET: SECRET
--> NICK: kYNC8WKjf2XH
--> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #cpsc526
--> Secret Control Key Created: 5d4d9ba9ab5051fb4007ddb932b8a375
identify
status
--> STATUS REPORT:
Found 4 bots.
BOT: PDZXuGtQcFayREPORTING
BOT: iqBUCa906zrKREPORTING
BOT: JFoMfKpJr8lJREPORTING
BOT: Ha8croCPFYTfREPORTING
attack noHOST 1
--> ATTACK REPORT:
BOT: Ha8croCPFYTf: Attack Failure.
BOT: iqBUCa906zrK: Attack Failure.
BOT: PDZXuGtQcFay: Attack Failure.
BOT: JFoMfKpJr8lJ: Attack Failure.
Total: Successes: 0 Failures: 4.
attack localhost 9000
--> ATTACK REPORT:
BOT: PDZXuGtQcFay: Attack Successful.
BOT: iqBUCa906zrK: Attack Successful.
BOT: Ha8croCPFYTf: Attack Successful.
BOT: JFoMfKpJr8lJ: Attack Successful.
Total: Successes: 4 Failures: 0.
move 162.246.156.17 12399 somewhere
--> MOVE REPORT:
JFoMfKpJr8lJ: Move Successful.
PDZXuGtQcFay: Move Successful.
Ha8croCPFYTf: Move Successful.
iqBUCa906zrK: Move Successful.
Total: Successes: 4 Failures: 0.
quit
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 conbot6.py 162.246.156.17 12399 somewhere SECRET
--> HOST: 162.246.156.17
--> PORT: 12399
--> CHANNEL:
--> SECRET: SECRET
--> NICK: ey0NypPbKtVd
--> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #somewhere
--> Secret Control Key Created: ba766caff77004db8370f68af68c87b8
identify
shutdown
--> SHUTDOWN REPORT:
BOT: PDZXuGtQcFay SHUTDOWN.
BOT: Ha8croCPFYTf SHUTDOWN.
BOT: iqBUCa906zrK SHUTDOWN.
BOT: JFoMfKpJr8lJ SHUTDOWN.
Total Shutdowns: 4
quit
```

Bot Output:

```
steve@steve ~/Projects/20171125 -- CPSC526-A6
File Edit View Search Terminal Tabs Help
steve@steve ~/Projec... ✖ steve@steve ~/Projec... ✖ steve@steve ~/Projec... ✖ steve@steve ~/Projec... ✖
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 bot6.py 162.246.156.17
12399 cpsc526 SECRET
--> NICK: Ha8croCPFYTf
--> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #cpSC526
RECIEVED IDENTIFY REQUEST
RECIEVED STATUS REQUEST
RECIEVED ATTACK REQUEST
['attack', 'noHOST', '1']
RECIEVED ATTACK REQUEST
['attack', 'localhost', '9000']
RECIEVED MOVE REQUEST
RECIEVED IDENTIFY REQUEST
RECIEVED SHUTDOWN REQUEST
steve@steve ~/Projects/20171125 -- CPSC526-A6 $
```

Target Output:

```
steve@steve ~
File Edit View Search Terminal Help
steve@steve ~ $ nc -k -l 9000
BOT PDZXuGtQcFay IS 5
BOT iqBUCa906zrK IS 7
BOT Ha8croCPFYTf IS 6
BOT JFoMfKpJr8lJ IS 8
```

KIWI Client in channel #cpsc526:

The screenshot shows the KIWI IRC client interface in a Mozilla Firefox browser window. The address bar displays <https://kiwiirc.com/nextclient/>. The left sidebar shows the 'Your account' section and a 'Network' list with channels #cpsc526 and #somewhere. The main chat area is for channel #cpsc526, showing a list of users and their actions. The right sidebar shows 'Channel options' and '1 person here'.

Channel #cpsc526

→ Ha8croCPFYTf (Ha8croCPFYTf@136.159.160.153) has joined

K kYNC8WKjf2XH 20:51:38
identify 5d4d9ba9ab5051fb4007ddb932b8a375
status
attack noHOST 1
attack localhost 9000
move 162.246.156.17 12399 somewhere

← JFoMfkpJr8IJ (JFoMfkpJr8IJ@136.159.160.153) has left (JFoMfkpJr8IJ)

← PDZXuGtQcFay (PDZXuGtQcFay@136.159.160.153) has left (PDZXuGtQcFay)

← Ha8croCPFYTf (Ha8croCPFYTf@136.159.160.153) has left (Ha8croCPFYTf)

← iqBUCa906zrK (iqBUCa906zrK@136.159.160.153) has left (iqBUCa906zrK)

← kYNC8WKjf2XH (kYNC8WKjf2XH@136.159.160.153) has left (EOT)

USER Send a message...

KIWI output in channel #somewhere:

The screenshot shows the KIWI IRC client interface in a Mozilla Firefox browser window. The address bar displays <https://kiwiirc.com/nextclient/>. The left sidebar shows the 'Your account' section and a 'Network' list with channels #cpsc526 and #somewhere. The main chat area is for channel #somewhere, showing a list of users and their actions. The right sidebar shows 'Channel options' and '1 person here'.

#somewhere

→ JFoMfkpJr8IJ (JFoMfkpJr8IJ@136.159.160.153) has joined

→ Ha8croCPFYTf (Ha8croCPFYTf@136.159.160.153) has joined

→ iqBUCa906zrK (iqBUCa906zrK@136.159.160.153) has joined

→ eyONypPbKtVd (eyONypPbKtVd@136.159.160.153) has joined

E eyONypPbKtVd 20:54:14
identify ba766caff77004db8370f68af68c87b8
shutdown

← Ha8croCPFYTf (Ha8croCPFYTf@136.159.160.153) has left (EOT)

← JFoMfkpJr8IJ (JFoMfkpJr8IJ@136.159.160.153) has left (EOT)

← iqBUCa906zrK (iqBUCa906zrK@136.159.160.153) has left (EOT)

← PDZXuGtQcFay (PDZXuGtQcFay@136.159.160.153) has left (EOT)

USER Send a message...