CPSC 526 Assignment #3

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How to run: python3 proxy.py [logOptions] [replaceOptions] srcPort server destPort

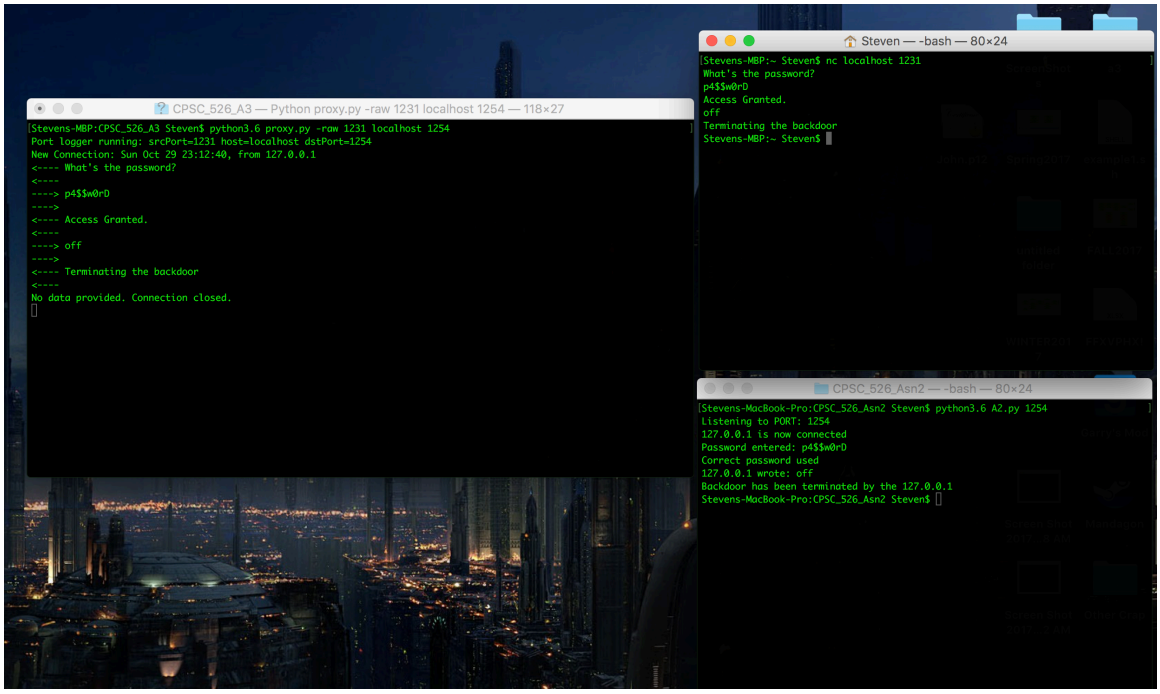
Options Usage
[logOptions]: -raw, -strip, -hex, -auto<N> where N is an int
[replaceOptions]: -replace <target> <targetReplacement>

Supported Logging Options:

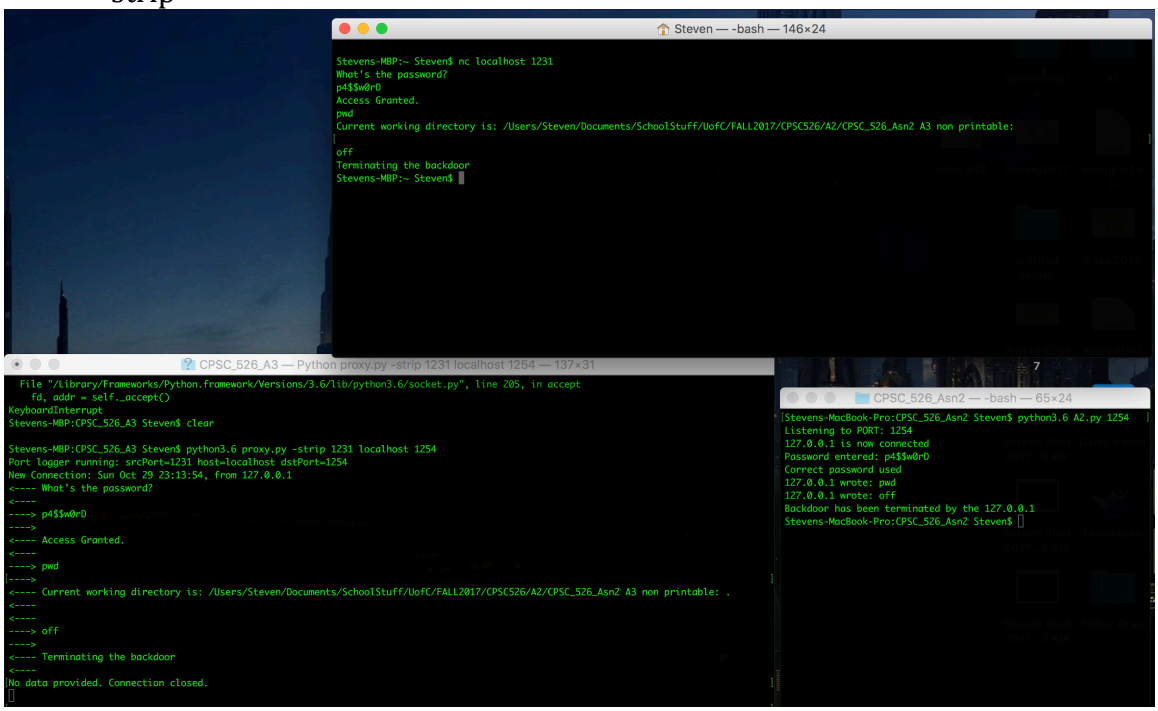
- -raw: Raw output
- -strip: Replace unprintable characters with "."
- -hex: Hexdump
- -autoN: Output in N-sized chunks

Sample Outputs:

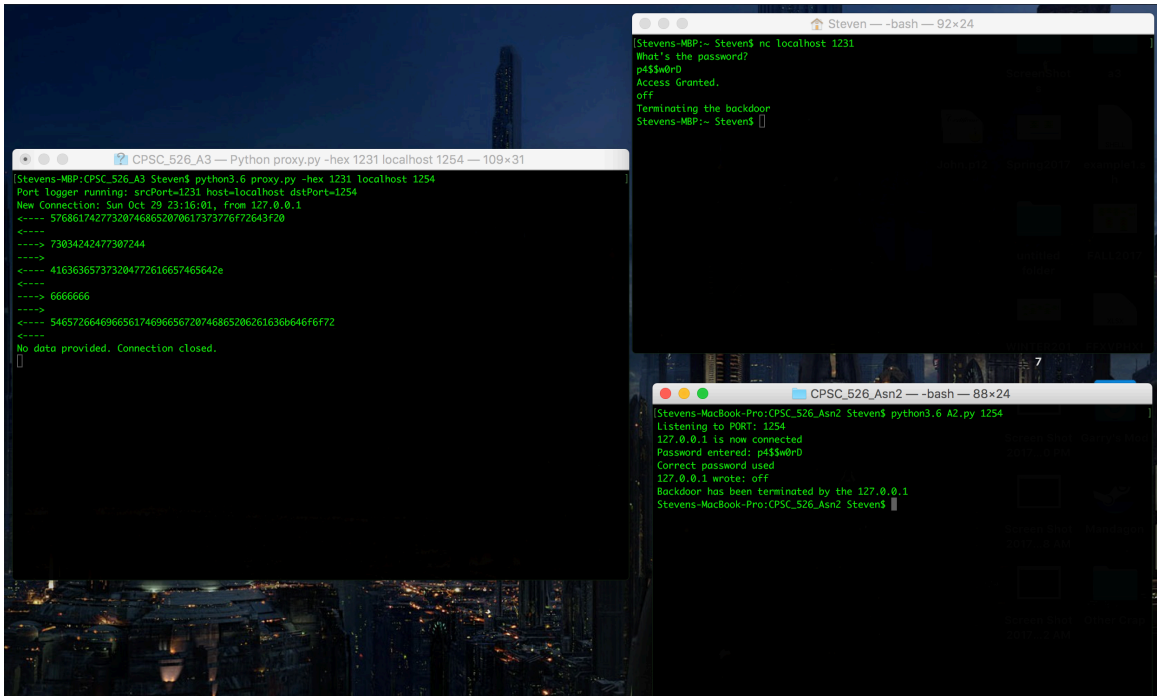
-raw



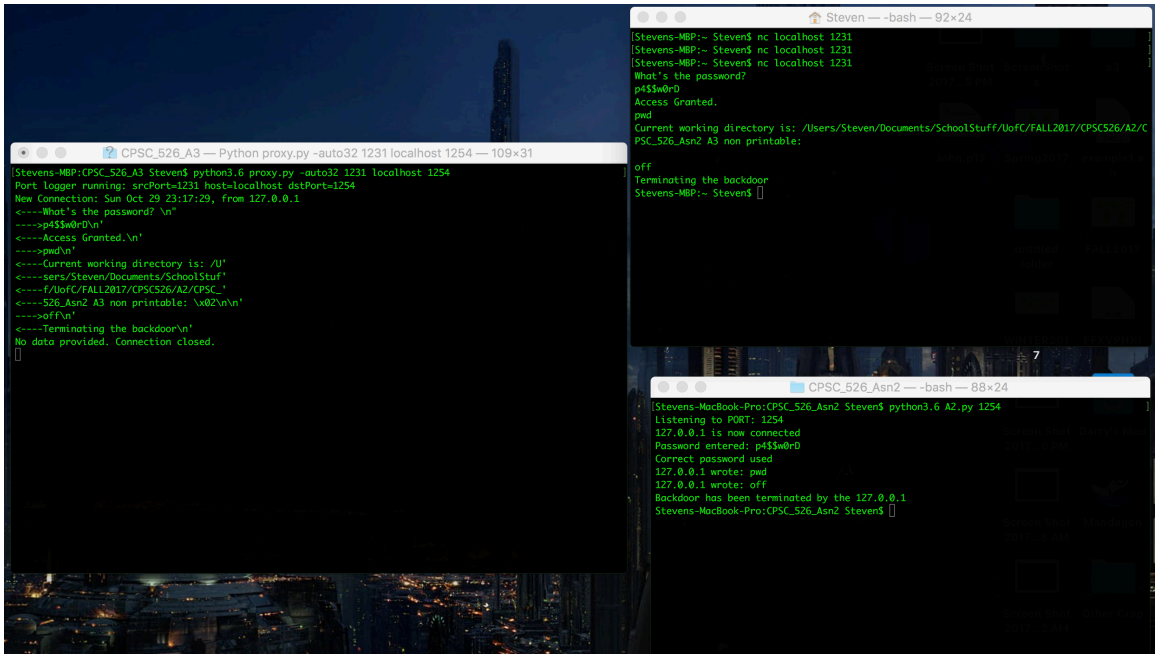
-strip


Steven — -bash — 146×24
Stevens-MBP:~ Steven$ nc localhost 1231
What's the password?
p4$$w0rD
Access Granted.
pwd
Current working directory is: /Users/Steven/Documents/SchoolStuff/UofC/FALL2017/CPSC526/A2/CPSC_526_Asn2 A3 non printable:
off
Terminating the backdoor
Stevens-MBP:~ Steven$
CPSC_526_A3 — Python proxy.py -strip 1231 localhost 1254 — 137×31
File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/socket.py", line 205, in accept
fd, addr = self._accept()
KeyboardInterrupt
Stevens-MBP:CPSC_526_A3 Steven$ clear
Stevens-MBP:CPSC_526_A3 Steven$ python3.6 proxy.py -strip 1231 localhost 1254
Port logger running: srcPort=1231 host=localhost dstPort=1254
New Connection: Sun Oct 29 23:13:54, from 127.0.0.1
<---- What's the password?
<----
----> p4$$w0rD
---->
<---- Access Granted.
<----
----> pwd
---->
<---- Current working directory is: /Users/Steven/Documents/SchoolStuff/UofC/FALL2017/CPSC526/A2/CPSC_526_Asn2 A3 non printable: .
<----
<----
----> off
---->
<---- Terminating the backdoor
<----
No data provided. Connection closed.
CPSC_526_Asn2 — -bash — 65×24
Stevens-MacBook-Pro:CPSC_526_Asn2 Steven$ python3.6 A2.py 1254
Listening to PORT: 1254
127.0.0.1 is now connected
Password entered: p4$$w0rD
Correct password used
127.0.0.1 wrote: pwd
127.0.0.1 wrote: off
Backdoor has been terminated by the 127.0.0.1
Stevens-MacBook-Pro:CPSC_526_Asn2 Steven$

-hex


Steven — -bash — 92×24
Stevens-MBP:~ Steven$ nc localhost 1231
What's the password?
p4$$w0rD
Access Granted.
off
Terminating the backdoor
Stevens-MBP:~ Steven$
CPSC_526_A3 — Python proxy.py -hex 1231 localhost 1254 — 109×31
Stevens-MBP:CPSC_526_A3 Steven$ python3.6 proxy.py -hex 1231 localhost 1254
Port logger running: srcPort=1231 host=localhost dstPort=1254
New Connection: Sun Oct 29 23:16:01, from 127.0.0.1
<---- 5768617427732074686520706173737 6f72643f20
<----
----> 73034242477307244
---->
<---- 41636365737320477261665746 5642e
<----
----> 6666666
---->
<---- 5465726649665617469665672074686520626 1636b646f6f72
<----
No data provided. Connection closed.
CPSC_526_Asn2 — -bash — 88×24
Stevens-MacBook-Pro:CPSC_526_Asn2 Steven$ python3.6 A2.py 1254
Listening to PORT: 1254
127.0.0.1 is now connected
Password entered: p4$$w0rD
Correct password used
127.0.0.1 wrote: off
Backdoor has been terminated by the 127.0.0.1
Stevens-MacBook-Pro:CPSC_526_Asn2 Steven$

-autoN




-replace