For each task, I'm using a custom built gaming rig with 16gb RAM, 6-core FX-6100 AMD CPU, an SSD with a small amount of storage, and an extra hard drive with 1TB. I have the computer set up for dual boot vanilla Ubuntu/Windows 7 Home. For my device, I'm using a Moto E 2nd Gen. I originally tried to use a rooted Kindle Fire HD 7", but I ran into problems with detection of F-Droid software.

It has taken me at least 5 straight hours to complete task one, including enabling necessary developer settings, installing applications via Google Play, installing via F-Droid, installing via APK, taking screenshots through my devices, taking screenshots on my desktop PC, learning how to use each app to some extent, and dealing with various technical incompatibilities of some of the applications.

Task two took me a few hours, including setting up necessary build files, figuring out how to make an Android app change screens, formatting the Java coded layouts to work with other elements on the screen, and so on.

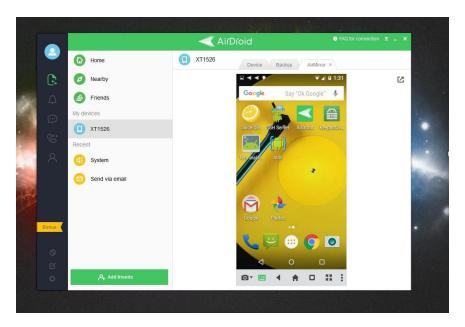
Task three took me an hour or less to complete.

Task four took about thirty minutes to complete. I've already dealt with ADB before when rooting other devices.

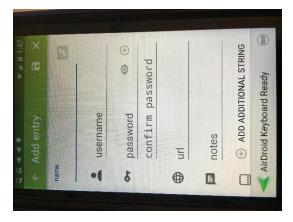
Task 5 took an hour or two to get everything working and set up the accounts.

Task 1:

My experience with running AirDroid was positive overall, but there were a few issues. For one thing, I found that AirMirror, the software used to remotely access my android device from my computer, only works for Windows and Mac OS. The option to download the desktop application wasn't even available for Linux. However, the rest of the features included with AirDroid seem to work on their web application, even on Linux. I had to plug my Android device directly into my computer, as this device is not rooted. The image below is of me using the AirDroid AirMirror remote access tool.



I found that the app KeepPass is actually called KeePass and it goes by different variations for Android Devices, such as KeePass for Android, the one I went with. KeepPass2Android disables screenshots and access to AirDroid (probably for security reasons, as it stores passwords), so I took a direct image from another device below.



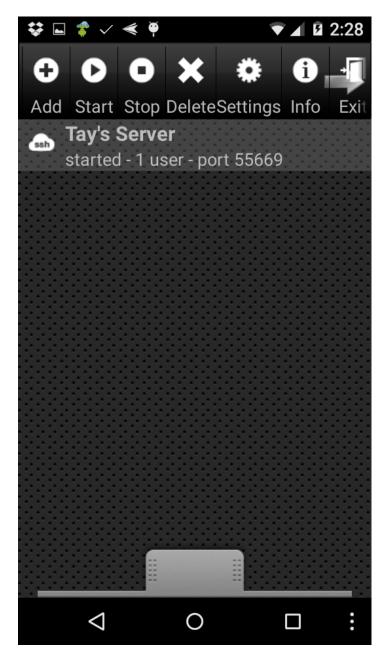
Adding passwords and credit cards was easy, and I was able to back up my database on my Dropbox cloud storage.

I found that a lot of features of AIDE that I would want, such as debugging and saving Java files, required a \$10 "Developer License" to use. Creating an Android application within the app is a neat concept, though, and that part seems to work well.

```
▽ ⊿ 월 1:55
        MAIN.
                MAIN
        XML
                ACTI...
   <LinearLayout xmlns:android="ht</pre>
       android:layout_width="match
2
       android:layout_height="matc
3
4
       android:gravity="center">
6
       <TextView
7
            android:text="@string/h
            android:layout_width="w
8
            android:layout_height="
9
10
11 </LinearLayout>
```

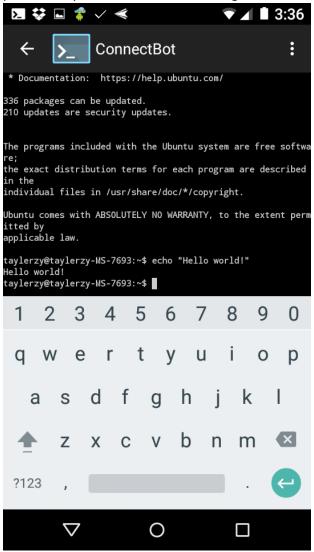


For the SFTP/SSH server application(s), I found an app that can do both, called SSH Server. It's easy to set up a server and login credentials, and I was able to connect to it quickly with ssh username@ip -p portnumber.



As for an SSH client/terminal, I chose to use ConnectBot. I originally tried a program called JuiceSSH, but I felt more comfortable executing the commands myself instead of from a GUI. My SSH attempt didn't work originally because I had openssh-client installed, but not openssh-server. It's amazing how

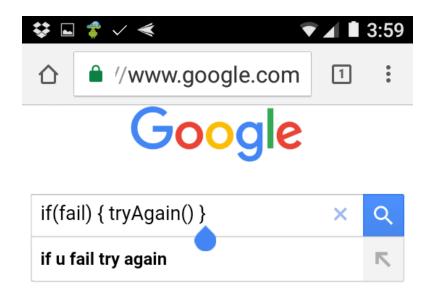
powerful my device can be in executing commands on my desktop computer



For a local terminal, I used Terminal Emulator. I found that some of the common commands didn't work on it, such as dir, but it still worked well considering I was using an Android device.

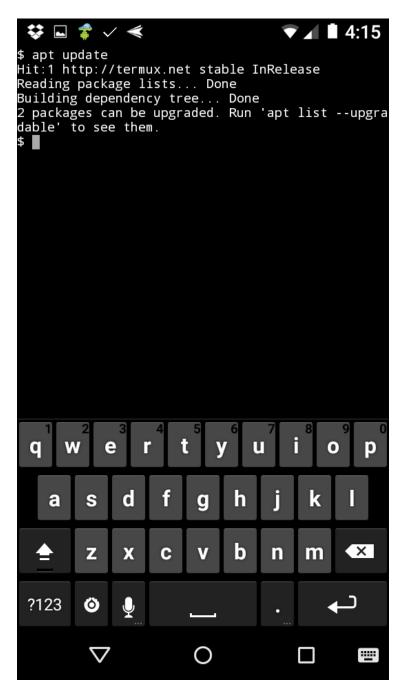


The large assortment of alternate keys on the Hacker's Keyboard can be seen below. I like the look of the Hacker's Keyboard better than the Moto E 2nd Gen's default keyboard, which is quite a bit more colorful. It was very easy to enable the keyboard in settings.

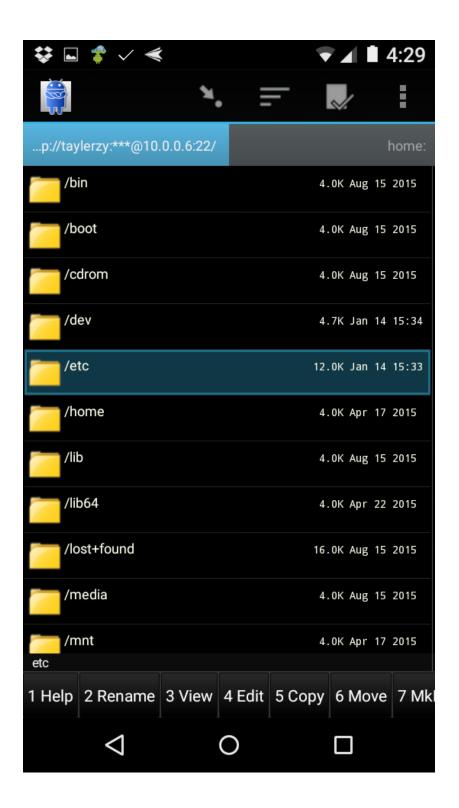




There isn't an app called tmux in F-Droid, so I assume that the correct name is Termux. I didn't have any problems with installing or using the Termux app. I used apt update to test it, as shown below.



I used Ghost Commander with the Ghost Commander SFTP Add-on, both available via F-Droid. Accessing files on my Linux computer was easier than I expected it to be. I was able to see the files on my desktop computer, without having to resort to terminal commands. However, it failed to read my home directory; I'm not sure what happened there.

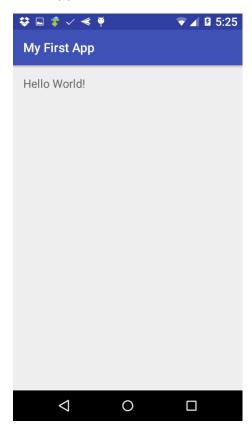


Task 2:

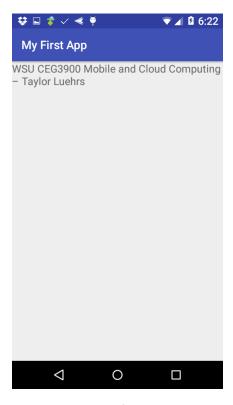
Android Studio was fairly straightforward to install on my Linux OS, as I have had some experience with installing it on a Windows machine in the past. I had an error of "Instant run requires that the platform

corresponding to your target device is installed.". It had an Install and Continue button, but the button didn't work until I unplugged and plugged back in my Android device.

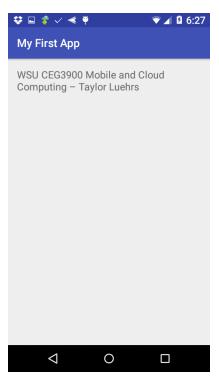
The Hello World program ran fine in both the emulator and on my android phone. Here's an image of it from my phone.



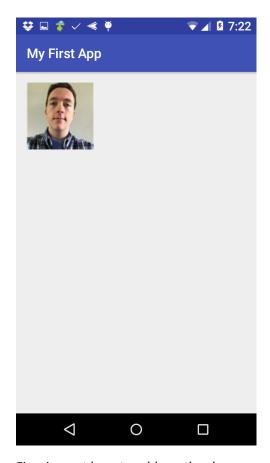
I had a bit of trouble figuring out how to get messages to display without using XML, but I finally figured it out. I created a new text view, set the text, and then set the content view to the text that I just made. The XML version of the message was easy, as it was very similar to the default "Hello World" program.



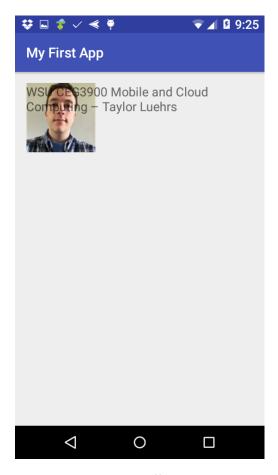
I was surprised to find that the text display when using XML (below) was formatted slightly differently than the Java version (above).



Adding an image wasn't much different from adding text.

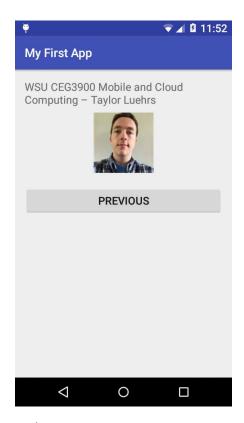


Figuring out how to add another layer was somewhat difficult, but I finally found out that include should be used in one of the activity files to add another one, as shown in the screenshot below.



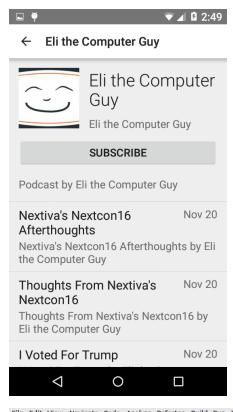
I originally had some difficulty with placing two elements on the screen at once. With XML, they would sometimes overlap. That part was easy to fix, but I had a harder time trying to add a button with XML and text with Java at the same time. I found that setContent, the standard way to add a text node to the screen, created an entirely new layout that took up an entire screen. As a result, I could only seem to fit either the text or the button, but not both. I eventually created a new LinearLayout programmatically in order to add the text node. I also wound up creating the button in Java as well, so that I could easily control the order in which the elements appeared on the screen.

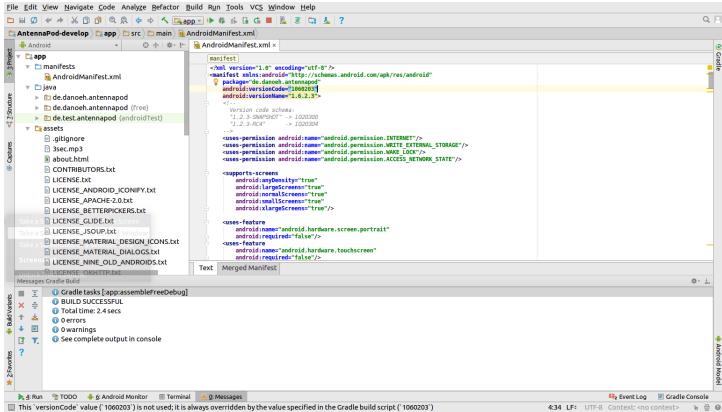
Adding Previous/Next buttons and working on transitioning between one page to the next was somewhat difficult, but I finally found that the best way is to create a new Java/XML file for each page that you want, and then add the corresponding XML file to the manifest.



Task 3:

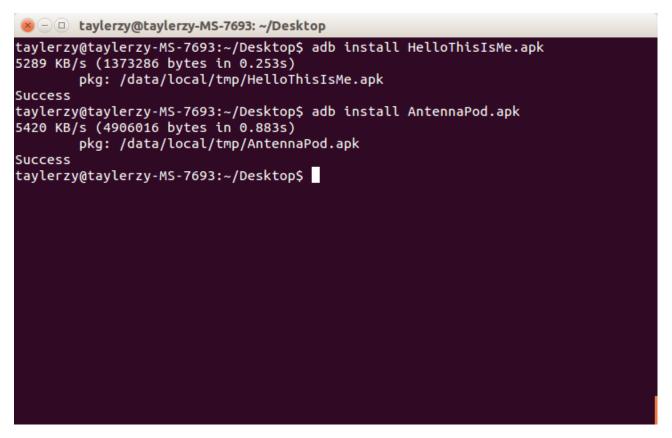
Building an existing open source app is much more difficult than it sounds. I started out with about 50 errors and worked from there. First I had trouble with Gradle – it wouldn't move on from initialization. I installed some necessary libraries using sudo apt-get install zlib1g:i386, and then I changed Gradle to run in parallel so that the functions would work faster. Java tool errors occurred, but I found that they were specific to Java swing, and weren't needed for my application to run anyway. I found a way to suppress them online (this was the recommended option). I fixed dependencies that popped up automatically, such as build tools.





Task 4:

Getting ADB up and running was just slightly tricky, but only because I'm still thinking in terms of Windows executables. I found the directory of the adb, but I couldn't figure out how to run it. I then found that you can use adb devices to start the server, and simply use adb install apkname.apk in order to install the apk on the intended device.



Output of Is /system/bin and Is /system/xbin on device:

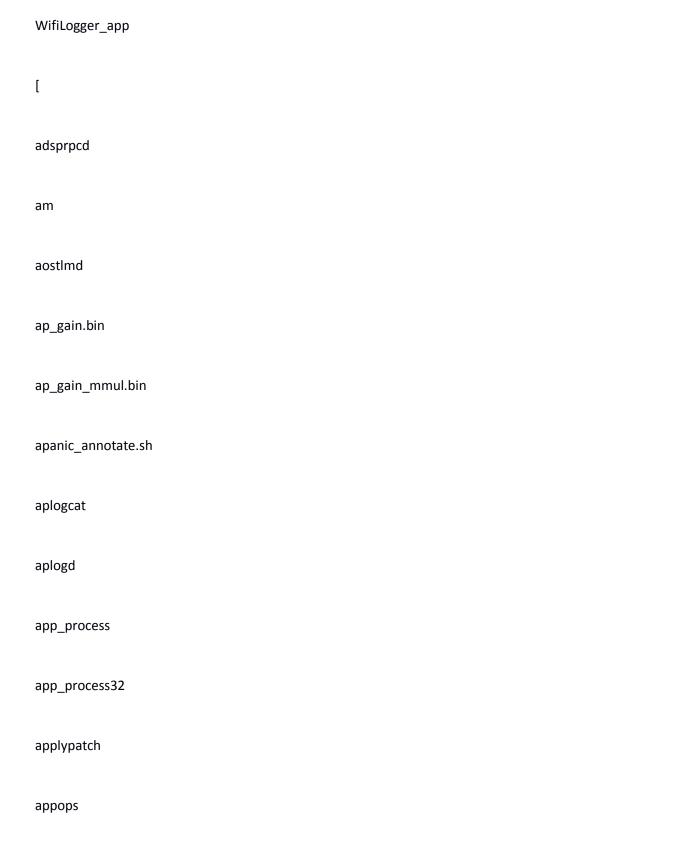
Script started on Sun 15 Jan 2017 04:07:30 PM EST

#]0;taylerzy@taylerzy-MS-7693: ~/Desktop#taylerzy@taylerzy-MS-7693: ~/Desktop\$ adb shell shell@surnia_cdma:/\$ scr# ## ###ls /system/bin

ATFWD-daemon

Omadmloadproperty

PktRspTest



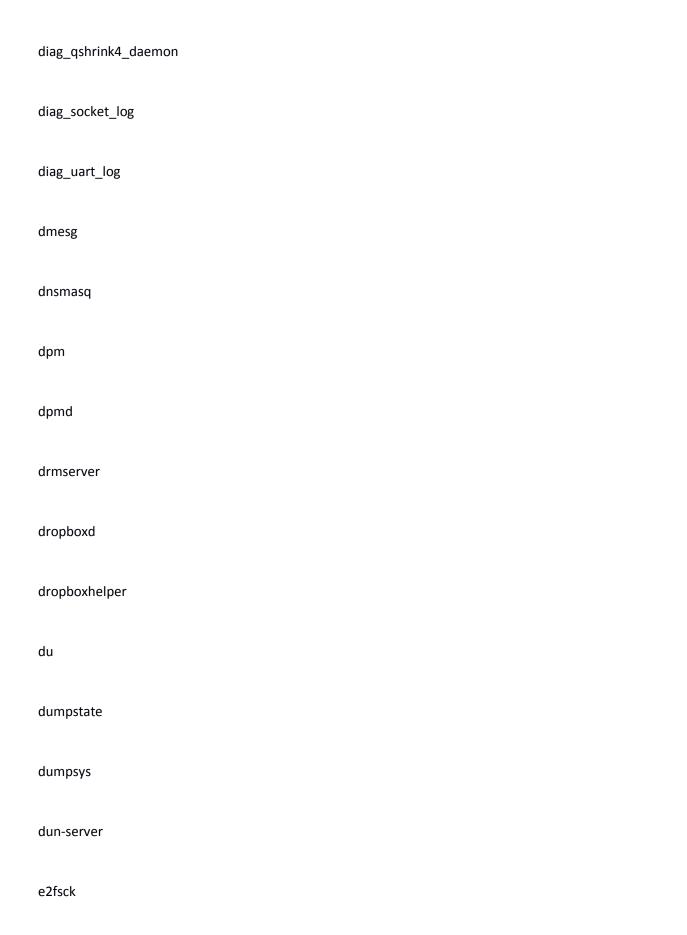
StoreKeybox

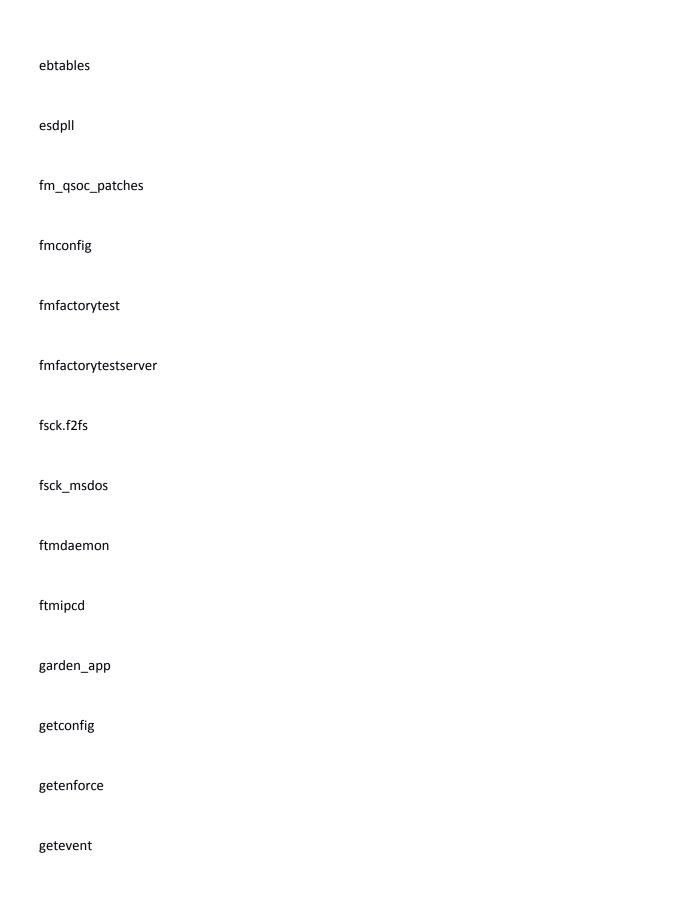
appwidget	
atrace	
audiod	
batch	
batt_health	
battery.sh	
bcc	
blkid	
bmgr	
bootanimation	
brctl	
btnvtool	
bu	
bug2go-bugreport	

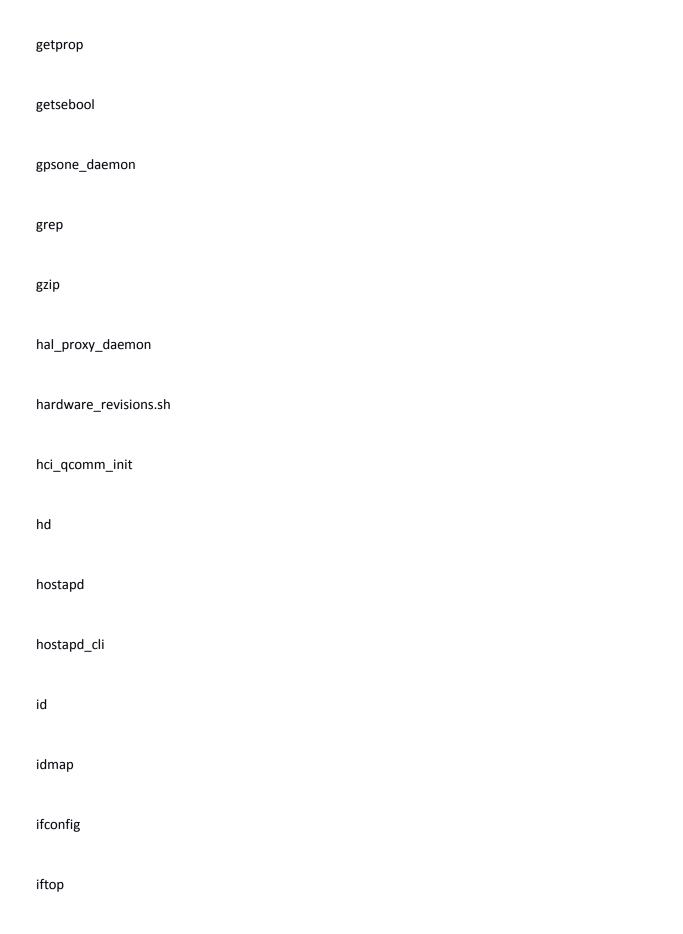
bug2go-bugreport-oem	
bugreport	
cat	
charge_only_mode	
chcon	
chmod	
chown	
clatd	
clear	
cmp	
content	
ср	
cplay	
curl	

dalvikvm





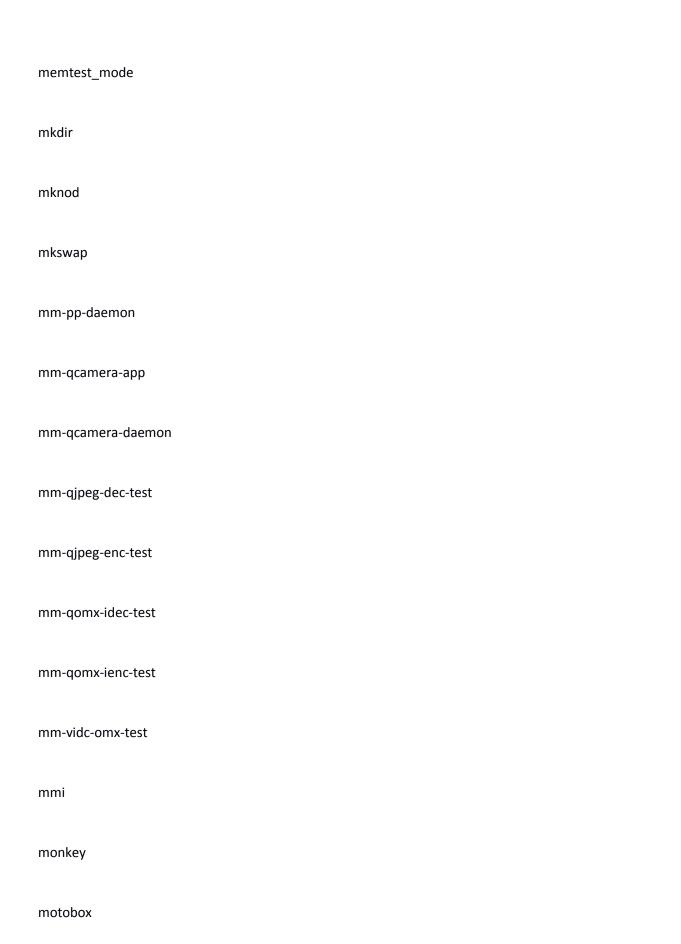




ime	
ims_rtp_daemon	
imscmservice	
imsdatadaemon	
imsqmidaemon	
input	
insmod	
install-recovery.sh	
installd	
ioctl	
ionice	
ip	
ip6tables	
ipInfo	

iptables		
irsc_util		
isdbtmmtest		
keymaster_test		
keystore		
kill		
kpgather		
linker		
lmkd		
In		
load_policy		
loc_launcher		
location-mq		
log		
logcat		

logd		
logwrapper		
Is		
Ismod		
Isof		
make_ext4fs		
masterclear		
mbm_spy		
mcStarter		
md5		
md5sum		
mdnsd		
media		
mediaserver		



mount	
msm-vidc-test	
msm_irqbalance	
mtpd	
mv	
n_smux	
nandread	
ndc	
netcfg	
netd	
netmgrd	
netstat	
newfs_msdos	
nl_listener	

nohup		
notify		
oatdump		
oemwvtest		
patchoat		
perfd		
ping		
ping6		
pm		
pm-service		
port-bridge		
pppd		
printenv		
prlimit		



requestsync	
resize2fs	
restorecon	
rfs_access	
rild	
rm	
rmdir	
rmmod	
rmnetcli	
rmt_storage	
route	
run-as	
runcon	
sapd	

schedtest

schedtop	
screencap	
screenrecord	
sdcard	
sendevent	
sendevent2	
sensorservice	
service	
servicemanager	
setconfig	
setenforce	
setfattr	
setprop	
setsebool	

settings	
setup_fs	
sh	
slateipcd	
sleep	
smd	
ssr_setup	
start	
stml0xx	
stop	
subsystem_ramdump	
surfaceflinger	
SVC	
swapoff	
swapon	

sync	
tc	
tcmd	
tcmdhelp	
test	
test_diag	
thermal-engine	
time_daemon	
timedexec	
tinycap	
tinymix	
tinypcminfo	
tinyplay	
toolbox	





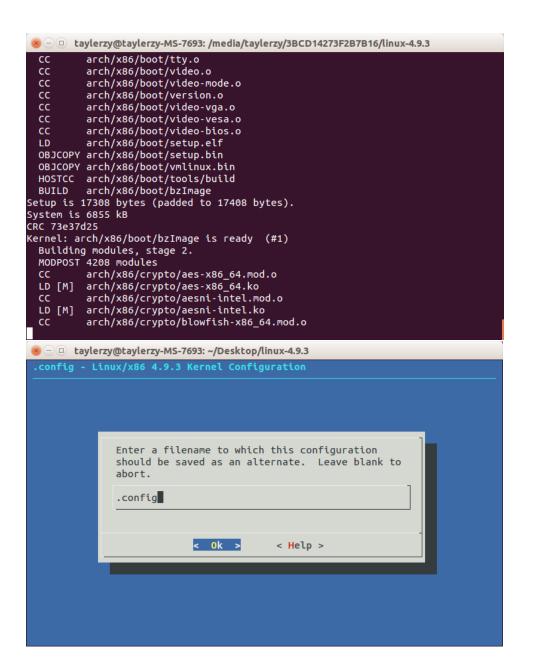
in a slightly different order, such as the kernel compilation at the top)

I compiled the kernel for Extra Credit, but I didn't do the second EC sub-task. It took about 4 hours to finish, not counting the first attempt when I ran out of space on my hard drive and had to switch drives.

Made note of the Public DNS: ec2-52-14-19-20.us-east-2.compute.amazonaws.com

```
🗷 🗀 🗈 taylerzy@taylerzy-MS-7693: /media/taylerzy/3BCD14273F2B7B16/linux-4.9.3
  IHEX
          firmware/mts_gsm.fw
          firmware/mts_edge.fw
  IHEX
  H16TOFW firmware/edgeport/boot.fw
  H16TOFW firmware/edgeport/boot2.fw
  H16TOFW firmware/edgeport/down.fw
  H16T0FW firmware/edgeport/down2.fw
          firmware/edgeport/down3.bin
  IHEX
  IHEX2FW firmware/whiteheat_loader.fw
  IHEX2FW firmware/whiteheat.fw
  IHEX2FW firmware/keyspan_pda/keyspan_pda.fw
  IHEX2FW firmware/keyspan_pda/xircom_pgs.fw
          firmware/cpia2/stv0672_vp4.bin
  IHEX
          firmware/yam/1200.bin
  IHEX
          firmware/yam/9600.bin
  IHEX
taylerzy@taylerzy-MS-7693:/media/taylerzy/3BCD14273F2B7B16/linux-4.9.3$ make mod
          include/config/kernel.release
  CHK
          include/generated/uapi/linux/version.h
  CHK
          include/generated/utsrelease.h
  CHK
          include/generated/bounds.h
  CHK
  CHK
          include/generated/timeconst.h
          include/generated/asm-offsets.h
  CHK
  CALL
          scripts/checksyscalls.sh
 🗷 — 🕕 taylerzy@taylerzy-MS-7693: /media/taylerzy/3BCD14273F2B7B16/linux-4.9.3
  IHEX2FW firmware/emi62/spdif.fw
  IHEX2FW firmware/emi62/midi.fw
  IHEX
          firmware/kaweth/new_code.bin
  IHEX
          firmware/kaweth/trigger_code.bin
          firmware/kaweth/new_code_fix.bin
firmware/kaweth/trigger_code_fix.bin
  IHEX
  IHEX
          firmware/ti_3410.fw
  IHEX
  IHEX
          firmware/ti_5052.fw
  IHEX
          firmware/mts_cdma.fw
  IHEX
          firmware/mts_gsm.fw
          firmware/mts_edge.fw
  IHEX
  H16TOFW firmware/edgeport/boot.fw
  H16TOFW firmware/edgeport/boot2.fw
  H16TOFW firmware/edgeport/down.fw
  H16TOFW firmware/edgeport/down2.fw
          firmware/edgeport/down3.bin
  IHEX
  IHEX2FW firmware/whiteheat_loader.fw
  IHEX2FW firmware/whiteheat.fw
  IHEX2FW firmware/keyspan_pda/keyspan_pda.fw
  IHEX2FW firmware/keyspan_pda/xircom_pgs.fw
          firmware/cpia2/stv0672_vp4.bin
  IHEX
  IHEX
          firmware/yam/1200.bin
          firmware/yam/9600.bin
```

taylerzy@taylerzy-MS-7693:/media/taylerzy/3BCD14273F2B7B16/linux-4.9.3\$



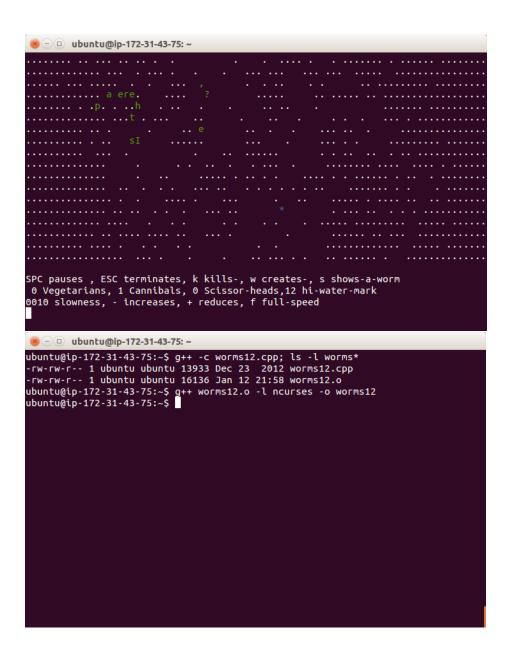
```
⊗ □ □ taylerzy@taylerzy-MS-7693: ~/Desktop/linux-4.9.3
 .config - Linux/x86 4.9.3 Kernel Configuration
                       Linux/x86 4.9.3 Kernel Configuration
     Arrow keys navigate the menu. <Enter> selects submenus ---> (or empty
     submenus ----). Highlighted letters are hotkeys. Pressing <Y>
     includes, <N> excludes, <M> modularizes features. Press <Esc> to exit, <?> for Help, </> for Search. Legend: [*] built-in [ ]
         [*] 64-bit kernel
              General setup
          [*] Enable loadable module support --->
          [*] Enable the block layer --->
              Processor type and features --->
              Power management and ACPI options --->
              Bus options (PCI etc.) --->
              Executable file formats / Emulations --->
          [*] Networking support --->
              Device Drivers --->
            <Select>
                         < Exit >
                                      < Help >
                                                                 < Load >
                                                    < Save >

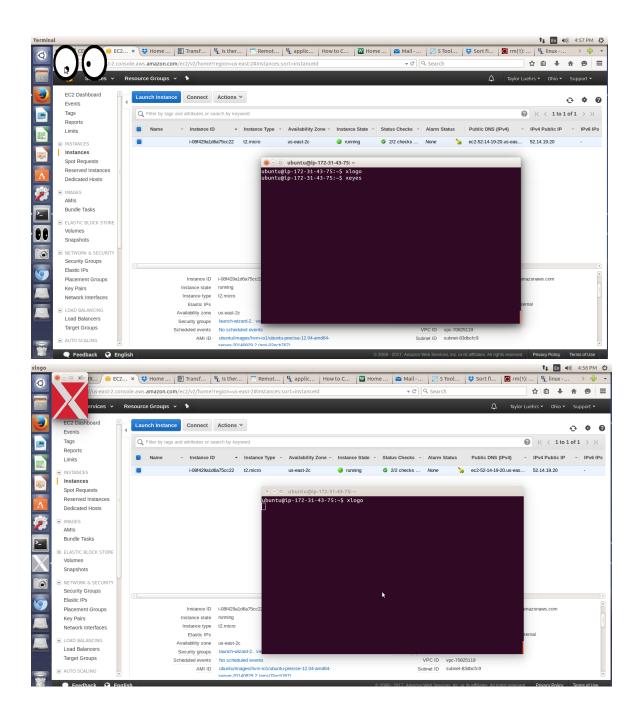
    ■ □ taylerzy@taylerzy-MS-7693: ~/Desktop

linux-4.9.3/virt/kvm/arm/vgic/vgic-its.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-kvm-device.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio-v2.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio-v3.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio.c
```

```
linux-4.9.3/virt/kvm/arm/vgic/vgic-its.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-kvm-device.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio-v2.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio-v3.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-mmio.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-vd.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-v2.c
linux-4.9.3/virt/kvm/arm/vgic/vgic-v3.c
linux-4.9.3/virt/kvm/arm/vgic/vgic.c
linux-4.9.3/virt/kvm/arm/vgic/vgic.h
linux-4.9.3/virt/kvm/async_pf.c
linux-4.9.3/virt/kvm/coalesced_mmio.c
linux-4.9.3/virt/kvm/coalesced_mmio.h
linux-4.9.3/virt/kvm/coalesced_mmio.h
linux-4.9.3/virt/kvm/coalesced_mmio.c
linux-4.9.3/virt/kvm/vfio.c
linux-4.9.3/virt/kvm/vfio.c
linux-4.9.3/virt/kvm/vfio.c
linux-4.9.3/virt/kvm/vfio.h
linux-4.9.3/virt/lib/makefile
linux-4.9.3/virt/lib/irqbypass.c
taylerzy@taylerzy-MS-7693:~/Desktop$
```

```
⊗ ─ □ taylerzy@taylerzy-MS-7693: ~/Desktop
taylerzy@taylerzy-MS-7693:~$ cd Desktop
taylerzy@taylerzy-MS-7693:~/Desktop$ wget https://cdn.kernel.org/pub/linux/kerne
l/v4.x/linux-4.9.3.tar.xz
--2017-01-12 17:22:19-- https://cdn.kernel.org/pub/linux/kernel/v4.x/linux-4.9.
3.tar.xz
Resolving cdn.kernel.org (cdn.kernel.org)... 151.101.56.69
Connecting to cdn.kernel.org (cdn.kernel.org)|151.101.56.69|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 93192408 (89M) [application/x-xz]
Saving to: 'linux-4.9.3.tar.xz'
linux-4.9.3.tar.xz 100%[===============================] 88.88M 927KB/s in 1m 41s
2017-01-12 17:24:01 (903 KB/s) - 'linux-4.9.3.tar.xz' saved [93192408/93192408]
taylerzy@taylerzy-MS-7693:~/Desktop$
⊗ ─ □ taylerzy@taylerzy-MS-7693: ~/Desktop
taylerzy@taylerzy-MS-7693:~/Desktop$ scp -i taylerzy.pem source.s ubuntu@ec2-52-
14-19-20.us-east-2.compute.amazonaws.com:~
source.s
                                                       100% 406
                                                                        0.4KB/s
                                                                                    00:00
taylerzy@taylerzy-MS-7693:~/Desktop$
```





⊗ □ □ ubuntu@ip-172-31-43-75: ~

top - 21:45:24 up 28 min, 1 user, load average: 0.00, 0.01, 0.04
Tasks: 61 total, 1 running, 60 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3%us, 0.0%sy, 0.0%ni, 99.7%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 1017968k total, 107752k used, 910216k free, 8508k buffers
Swap: 0k total, 0k used, 0k free, 48224k cached

PID USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1 root	20	0	24292	2268	1340	S	0.0	0.2	0:00.88	init
2 root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3 root	20	0	0	0	0	S	0.0	0.0	0:00.08	ksoftirqd/0
5 root	20	0	0	0	0	S	0.0	0.0	0:00.07	kworker/u:0
6 root	RT	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
7 root	RT	0	0	0	0	S	0.0	0.0	0:00.00	watchdog/0
8 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	cpuset
9 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	khelper
10 root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
11 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	netns
12 root	20	0	0	0	0	S	0.0	0.0	0:00.01	xenwatch
13 root	20	0	0	0	0	S	0.0	0.0	0:00.10	xenbus
14 root	20	0	0	0	0	S	0.0	0.0	0:00.00	sync_supers
15 root	20	0	0	0	0	S	0.0	0.0	0:00.00	bdi-default
16 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kintegrityd
17 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kblockd
18 root	0	-20	0	0	0	S	0.0	0.0	0:00.00	ata_sff

```
ubuntu@ip-172-31-43-75:~$ echo "Number of Programs: "; dpkg -l | wc -l
Number of Programs:
457
ubuntu@ip-172-31-43-75:~$

⊗ □ □ ubuntu@ip-172-31-43-75: ~

ubuntu@ip-172-31-43-75:~$ wget http://www.cs.wright.edu/~pmateti/Courses/3900/Le
ctures/Cloud/worms12.cpp
--2017-01-12 21:40:57-- http://www.cs.wright.edu/~pmateti/Courses/3900/Lectures
/Cloud/worms12.cpp
Resolving www.cs.wright.edu (www.cs.wright.edu)... 130.108.74.59
Connecting to www.cs.wright.edu (www.cs.wright.edu)|130.108.74.59|:80... connect
ed.
HTTP request sent, awaiting response... 302 Found
Location: http://cecs.wright.edu/~pmateti/Courses/3900/Lectures/Cloud/worms12.cp
p [following]
--2017-01-12 21:40:58-- http://cecs.wright.edu/~pmateti/Courses/3900/Lectures/C
```

Connecting to cecs.wright.edu (cecs.wright.edu)|130.108.74.79|:80... connected.

--.-K/s

in 0.04s

Resolving cecs.wright.edu (cecs.wright.edu)... 130.108.74.79

2017-01-12 21:40:58 (382 KB/s) - `worms12.cpp' saved [13933/13933]

HTTP request sent, awaiting response... 200 OK

100%[=======>] 13.933

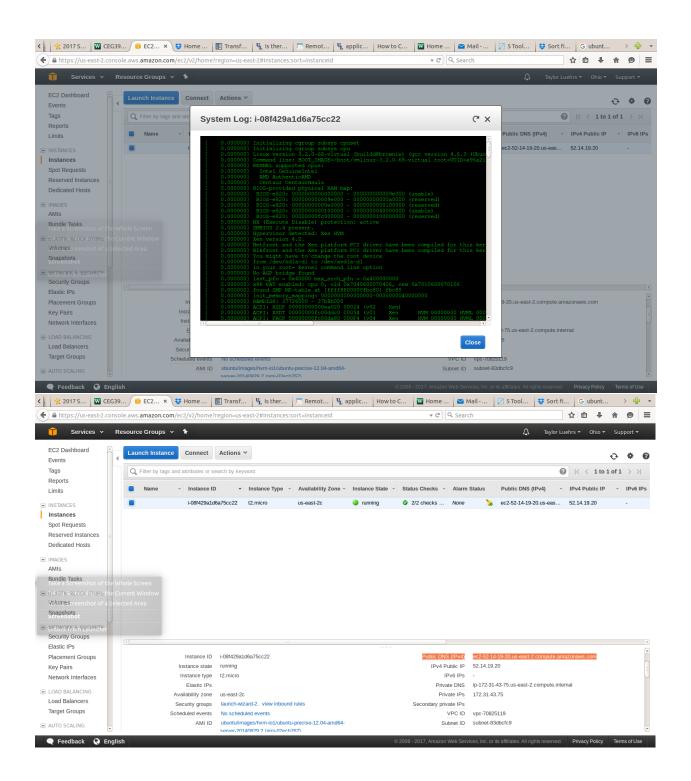
Length: 13933 (14K) [text/x-c]

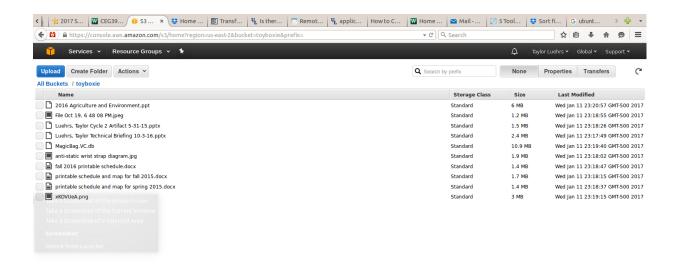
Saving to: `worms12.cpp'

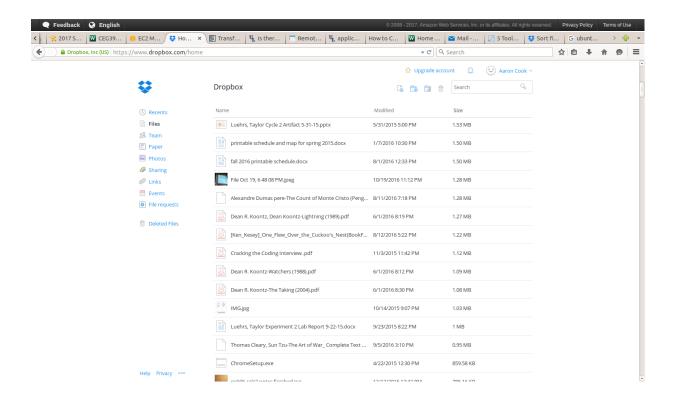
ubuntu@ip-172-31-43-75:~\$

loud/worms12.cpp

```
■ □ ubuntu@ip-172-31-43-75: ~
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/shirc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
syslog:x:101:103::/home/syslog:/bin/false
messagebus:x:102:105::/var/run/dbus:/bin/false
whoopsie:x:103:106::/nonexistent:/bin/false
landscape:x:104:109::/var/lib/landscape:/bin/false
--More--(90%)
* Documentation: https://help.ubuntu.com/
  System information as of Thu Jan 12 21:36:36 UTC 2017
  System load: 0.0
                                  Processes:
                                                       62
  Usage of /: 14.1% of 7.86GB
                                  Users logged in:
                                                       0
                                  IP address for eth0: 172.31.43.75
  Memory usage: 5%
  Swap usage:
  Graph this data and manage this system at:
    https://landscape.canonical.com/
  Get cloud support with Ubuntu Advantage Cloud Guest:
    http://www.ubuntu.com/business/services/cloud
New release '14.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
*** /dev/xvda1 will be checked for errors at next reboot ***
Last login: Thu Jan 12 17:04:08 2017 from 99.175.79.86
ubuntu@ip-172-31-43-75:~$
```







```
😸 🖯 🗊 taylerzy@taylerzy-MS-7693: /media/taylerzy/3BCD14273F2B7B16/linux-4.9.3
 H16TOFW firmware/edgeport/boot.fw
 H16TOFW firmware/edgeport/boot2.fw
 H16TOFW firmware/edgeport/down.fw
 H16TOFW firmware/edgeport/down2.fw
         firmware/edgeport/down3.bin
  IHEX2FW firmware/whiteheat_loader.fw IHEX2FW firmware/whiteheat.fw
  IHEX2FW firmware/keyspan_pda/keyspan_pda.fw
  IHEX2FW firmware/keyspan_pda/xircom_pgs.fw
  IHEX
          firmware/cpia2/stv0672_vp4.bin
  IHEX
          firmware/yam/1200.bin
  IHEX
          firmware/yam/9600.bin
taylerzy@taylerzy-MS-7693:/media/taylerzy/3BCD14273F2B7B16/linux-4.9.3$ make mod
ules
 CHK
          include/config/kernel.release
          include/generated/uapi/linux/version.h
  CHK
          include/generated/utsrelease.h
 CHK
          include/generated/bounds.h
 CHK
          include/generated/timeconst.h
  CHK
  CHK
          include/generated/asm-offsets.h
  CALL
          scripts/checksyscalls.sh
  Building modules, stage 2.
 MODPOST 4208 modules
taylerzy@taylerzy-MS-7693:/media/taylerzy/3BCD14273F2B7B16/linux-4.9.3$
```