Subject: Make error messages
Posted by JLM- on Thu, 15 Mar 2012 17:32:18 GMT
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When I run the following make command:

monkey@ps3 $ cd metldr838exploit && make

This error message was generated:

Make -C /lib/modules/2.6.38-powerpc64-otheros/build M = /home/monkey/metldr838exploit modules
make: *** /lib/modules/2.6.38-powerpc64-otheros/build: No such file or directory. Stop.
make: *** [all] Error 2

I don't know what it is looking for there. Hoping to output a more detailed error message, I created an empty directory:
/lib/modules/2.6.38-powerpc64-otheros/build

and ran the command again (monkey@ps3 $ cd metldr838exploit && make)

receiving this error message:
Make -C /lib/modules/2.6.38-powerpc64-otheros/build M = /home/monkey/metldr838exploit modules
make[1]: Entering directory 'lib/modules/2.6.38-powerpc64-otheros/build'
make[1]: ***No rule to make target 'modules'. Stop.
make: ***[all] Error 2

Anyone know what it is looking for?

Supplemental information:

A slim ps3 on Red Ribbon RC5 and Rebug 3.41.3

$PATH = /usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games

Contents of directory: /lib/modules/2.6.38-powerpc64-otheros/
are one folder: kernel (with several subfolders)
several modules files: modules.alias, modules.alias.bin, modules.builtin, modules.buitlin.bin, modules.dep,.....
no directory or file called "build"

contents of home directory include: metldr838exploit (folder), metldr (from nor dump), isoldr, spp_verifier.self, and default.spp (all from official firmware 3.41v2) (plus various other files and folders)

contents of home/metldr838exploit are: appldr-metldrexploit350.elf, appldr-metldrexploit350.self, makefile, metldr, metldrpwn.c, README, run.sh, spu.h

contents of makefile:

```
obj-m += metldrpwn.o

all:
 make -C /lib/modules/$(shell uname -r)/build M=$(PWD) modules

clean:
 make -C /lib/modules/$(shell uname -r)/build M=$(PWD) clean
```

Thank you.

Subject: Re: Make error messages
Posted by glevand on Thu, 15 Mar 2012 19:35:57 GMT
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/lib/modules/2.6.38-powerpc64-otheros/build

should be a link to your linux kernel source.

Like here:

```
[glevand@korriban ~]$ ls -l linux-3.2.11-build/lib/modules/3.2.11/build
lrwxrwxrwx 1 glevand users 26 Mar 13 17:41 linux-3.2.11-build/lib/modules/3.2.11/build ->
/home/glevand/linux-3.2.11
```

You need a linux kernel source directory which matches your binary kernel else you cannot compile kernel modules.

Subject: Re: Make error messages
Posted by JLM- on Thu, 15 Mar 2012 21:24:20 GMT
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Thanks so much for answering. I do not have the link there or even the kernel source installed.

Also, I found this answer specific for Red Ribbon from r04drunner (translated from Spanish by G00GLE translate)

(http://www.elotrolado.net/hilo_red-ribbon-gnu-linux-para-ps3 -21-11-2011_1631472_s420)

You should unzip the package containing the kernel Graf_chokolo in the "/ usr / src /" and then create a symlink from the directory "/ usr/src/linux-2.6" with the name "build" in "/ lib / modules/2.6.38-powerpc64-otheros / ".

The symlink you can create it with the following command:

Code: Select all
```
ln -s /usr/src/linux-2.6 /lib/modules/2.6.38-powerpc64-otheros/build
```

Thanks.

Subject: Re: Make error messages
Posted by JLM- on Wed, 11 Jul 2012 22:59:38 GMT
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the command:
$ cd metldr838exploit && make

gives the following warnings:
/home/monkey/metldr838exploit/metldrpwn.c:512:1: warning: "/*" within comment
/home/monkey/metldr838exploit/metldrpwn.c: In function 'metldrpwn_init':
/home/monkey/metldr838exploit/metldrpwn.c:807: warning: label 'bad5' defined but not used

```
/*     if (size >= sizeof(buf))
     {
     */

   /*  DPRINTF("%x %x %x %x",buf[0],buf[1],buf[2],buf[3]);
/*      if (result != 0)
       return result;
*/
```

(if (result != 0) is on line 512)
Anyone know why I am the only person getting that warning? Thanks.

here is all the output:
make -C /lib/modules/2.6.38-powerpc64-otheros/build M=/home/monkey/metldr838exploit modules

```
make[1]: Entering directory `/home/monkey/headers/usr/src/linux-headers-2.6.38-powerpc64
-otheros'
  CC [M]  /home/monkey/metldr838exploit/metldrpwn.o
/home/monkey/metldr838exploit/metldrpwn.c:512:1: warning: "/*" within comment
/home/monkey/metldr838exploit/metldrpwn.c: In function 'metldrpwn_init':
/home/monkey/metldr838exploit/metldrpwn.c:807: warning: label 'bad5' defined but not used
  Building modules, stage 2.
  MODPOST 1 modules
  CC      /home/monkey/metldr838exploit/metldrpwn.mod.o
  LD [M]  /home/monkey/metldr838exploit/metldrpwn.ko
make[1]: Leaving directory `/home/monkey/headers/usr/src/linux-headers-2.6.38-powerpc64
-otheros'
monkey@ps3:~/metldr838exploit$
```

(I have the build symlink pointing to the headers folder for:
linux-headers-2.6.38-powerpc64-otheros_2.6.38-powerpc64-othe ros-10.00.Custom_powerpc.deb
(unpacked in home subdirectory). I am still on 2.6.38., but getting closer on compiling the kernel, all errors gone now, just a couple of warnings, so haven't installed it yet.)

Subject: Re: Make error messages
Posted by masterzorag on Fri, 13 Jul 2012 11:13:15 GMT
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Quote:/home/monkey/metldr838exploit/metldrpwn.c:512:1: warning: "/*" within comment
error is "/*" position, it's part of init-end of a multiline comment, just spend some minutes to follow control, it is safe to remove /* at line 512 and only to get rid of that warning.

I've cross-compiled metldrpwn kernel module following glevand's howtos about cross-compiling kernel modules.

assuming kernel source at /some/where/linux-3.2.23 and metldrpwn sources at /some/where/metldrpwn, here is how I've edited the Makefile:

```
KSRC_DIR=../linux-3.2.23

obj-m += metldrpwn.o
all:
 make ARCH=powerpc CROSS_COMPILE=powerpc64-linux- -C $(KSRC_DIR) M=$(PWD)
modules
clean:
 make ARCH=powerpc CROSS_COMPILE=powerpc64-linux- -C $(KSRC_DIR) M=$(PWD) clean
```

I append to system PATH the cross-compiler one before calling the Makefile from /some/where/metldrpwn

```
export PATH=$PATH:/opt/powerpc64-linux-gcc-4.4.5/bin
```

make

simple

Subject: Re: Make error messages
Posted by JLM- on Mon, 16 Jul 2012 15:18:44 GMT
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Thanks for your help. I guess everyone else has their warnings turned down or knows you can ignore those 2 messages. The metldrpwn.ko that it compiled worked fine.

Thanks for the cross compile information, still trying to figure out that part so I can cross compile something else.