

Smatch Logs

```
[naveen@naveen:linux-4.15.6]$ sudo make CHECK="/path/to/smatch/smatch --full-path"  
CC=/path/to/smatch/cgcc | tee warns.txt  
tee: warns.txt: Permission denied  
arch/x86/Makefile:156: CONFIG_X86_X32 enabled but no binutils support  
CHK include/config/kernel.release  
Cannot use CONFIG_CC_STACKPROTECTOR_STRONG: -fstack-protector-strong not supported  
by compiler  
make: *** [prepare-compiler-check] Error 1  
Makefile:1094: recipe for target 'prepare-compiler-check' failed
```

I will copy the linux-4.15.7 to Video directory

```
[naveen@naveen:linux-4.15.6]$ sudo make CHECK="/smatch/smatch --full-path"  
CC=/smatch/cgcc | tee warns.txt  
tee: warns.txt: Permission denied  
sh: 1: sparse: not found  
sh: 1: sparse: not found  
sh: 1: sparse: not found  
sh: 1: sparse: not found  
sh: 1: sparse: not found  
CHK include/config/kernel.release  
CHK include/generated/uapi/linux/version.h  
CHK include/generated/utsrelease.h  
CC arch/x86/purgatory/purgatory.o  
AS arch/x86/purgatory/stack.o  
AS arch/x86/purgatory/setup-x86_64.o  
CC arch/x86/purgatory/sha256.o  
AS arch/x86/purgatory/entry64.o  
CC arch/x86/purgatory/string.o  
LD arch/x86/purgatory/purgatory.ro  
BIN2C arch/x86/purgatory/kexec-purgatory.c  
CHK include/generated/timeconst.h  
CC kernel/bounds.s  
CHK include/generated/bounds.h  
GEN scripts/gdb/linux/constants.py  
fixdep: error opening depfile: scripts/gdb/linux/.constants.py.d: No such file or directory  
make[2]: *** [scripts/gdb/linux/constants.py] Error 2  
scripts/gdb/linux/Makefile:19: recipe for target 'scripts/gdb/linux/constants.py' failed  
make[1]: *** [build_constants_py] Error 2  
Kbuild:81: recipe for target 'build_constants_py' failed  
make: *** [prepare0] Error 2  
Makefile:1064: recipe for target 'prepare0' failed
```

after changing the permission chmod 777 linux-4.15.7

```
[naveen@naveen:linux-4.15.6]$ sudo make CHECK="~/smatch/smatch --full-path"
CC=~/smatch/cgcc | tee warns.txt
CHK include/config/kernel.release
CHK include/generated/uapi/linux/version.h
CHK include/generated/utsrelease.h
CC arch/x86/purgatory/purgatory.o
AS arch/x86/purgatory/stack.o
AS arch/x86/purgatory/setup-x86_64.o
CC arch/x86/purgatory/sha256.o
AS arch/x86/purgatory/entry64.o
CC arch/x86/purgatory/string.o
LD arch/x86/purgatory/purgatory.ro
BIN2C arch/x86/purgatory/kexec-purgatory.c
CHK include/generated/timeconst.h
CC kernel/bounds.s
CHK include/generated/bounds.h
GEN scripts/gdb/linux/constants.py
fixdep: error opening depfile: scripts/gdb/linux/.constants.py.d: No such file or directory
make[2]: *** [scripts/gdb/linux/constants.py] Error 2
scripts/gdb/linux/Makefile:19: recipe for target 'scripts/gdb/linux/constants.py' failed
make[1]: *** [build_constants_py] Error 2
Kbuild:81: recipe for target 'build_constants_py' failed
Makefile:1064: recipe for target 'prepare0' failed
make: *** [prepare0] Error 2
```

: In function 'threadfn_pop_queue':

/home/naveen/Documents/uvic/uvic_video.c:82:110: warning: passing argument 4 of 'kernel_write' makes integer from pointer without a cast [-Wint-conversion]

```
len = kernel_write(fp, (char *) (dp_urb->transfer_buffer) + current_pos, actual_len,
&fp->f_pos);
^
```

In file included from include/linux/usb.h:19:0,

from /home/naveen/Documents/uvic/uvic_video.c:18:

include/linux/fs.h:2564:16: note: expected 'loff_t {aka long long int}' but argument is of type 'loff_t * {aka long long int *}'

```
extern ssize_t kernel_write(struct file *, const char *, size_t, loff_t);
^
```

