

cd ..

```
stat64("/Users/sgoings/OS\0", 0x7FFF5FBFF770, 0x0)           = 0 0
stat64(".\0", 0x7FFF5FBFF6E0, 0x0)                           = 0 0
getppid(0x1000BC000, 0x100100000, 0xFC080)                  = 72780 0
getpgrp(0x0, 0x100102F3, 0x0)                                = 72778 0
sigaction(0x14, 0x7FFF5FBFF850, 0x7FFF5FBFF880)             = 0 0
getrlimit(0x1007, 0x7FFF5FBFF840, 0x7FFF808132EC)           = 0 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF8C0)                       = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF8B0, 0x0)                       = 0 0
open("/usr/bin/cd\0", 0x0, 0x0)                               = 3 0
ioctl(0x3, 0x4004667A, 0x7FFF5FBFF73C)                      = -1 Err#25
ioctl(0x3, 0x40487413, 0x7FFF5FBFF740)                      = -1 Err#25
lseek(0x3, 0x0, 0x1)                                         = 0 0
read(0x3, "#!/bin/sh\n# $FreeBSD: src/usr.bin/alias/generic.sh,v 1.2 2005/10/24
22:32:19 cpe@\004\b\0", 0x50)                               = 80 0
lseek(0x3, 0x0, 0x0)                                         = 0 0
getdtablesize(0x3, 0x0, 0xFFFFFFFF)                         = 256 0
dup2(0x3, 0xFF, 0x100)                                       = 255 0
close(0x3)                                                    = 0 0
fcntl(0xFF, 0x2, 0x1)                                         = 0 0
fcntl(0xFF, 0x3, 0x0)                                         = 0 0
fstat64(0xFF, 0x7FFF5FBFF7F0, 0x0)                           = 0 0
lseek(0xFF, 0x0, 0x1)                                         = 0 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF880)                       = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF870, 0x0)                       = 0 0
read(0xFF, "#!/bin/sh\n# $FreeBSD: src/usr.bin/alias/generic.sh,v 1.2 2005/10/24
22:32:19 cperciva Exp $\n# This file is in the public domain.\nbuiltin `echo ${0##*/} | tr \
\[:upper:] \[:lower:]:` ${1+"$@"}\n\b\0", 0xBE)              = 190 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF880)                       = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF870, 0x0)                       = 0 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF880)                       = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF870, 0x0)                       = 0 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF880)                       = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF870, 0x0)                       = 0 0
pipe(0x7FFF5FBFF010, 0x0, 0x0)                               = 3 0
sigprocmask(0x1, 0x7FFF5FBFEFAC, 0x7FFF5FBFEFA8)            = 0x0 0
sigprocmask(0x3, 0x7FFF5FBFEFA8, 0x0)                       = 0x0 0
sigprocmask(0x1, 0x7FFF5FBFEF9C, 0x7FFF5FBFEF98)            = 0x0 0
fork()                                                        = 72783 0
sigprocmask(0x3, 0x7FFF5FBFEF98, 0x0)                       = 0x0 0
sigaction(0x14, 0x7FFF5FBFEF70, 0x7FFF5FBFEFA0)             = 0 0
close(0x4)                                                    = 0 0
read(0x3, "cd\n\0", 0x80)                                    = 3 0
read(0x3, "@\004\b\0", 0x80)                                = 0 0
wait4(0xFFFFFFFF, 0x7FFF5FBFE9EC, 0x1)                      = 72783 0
wait4(0xFFFFFFFF, 0x7FFF5FBFE9EC, 0x1)                      = -1 Err#10
```

```

sigreturn(0x7FFF5FBFEEE0, 0x1E, 0xFFFFFFFFFFFFFFFF) = 0 Err#-2
close(0x3) = 0 0
sigprocmask(0x1, 0x7FFF5FBFEF8C, 0x7FFF5FBFEF88) = 0x0 0
sigaction(0x2, 0x7FFF5FBFEF10, 0x7FFF5FBFEF40) = 0 0
sigprocmask(0x3, 0x7FFF5FBFEF88, 0x0) = 0x0 0
sigaction(0x2, 0x7FFF5FBFEF10, 0x7FFF5FBFEF40) = 0 0
stat64("/Users\", 0x7FFF5FBFF500, 0x100103C41) = 0 0
stat64("/Users/sgoings\", 0x7FFF5FBFF500, 0x100103C47) = 0 0
stat64("/Users/sgoings/OS\", 0x7FFF5FBFF500, 0x100103C4F) = 0 0
stat64("/Users/sgoings/OS\", 0x7FFF5FBFF500, 0x100103C52) = 0 0
chdir("/Users/sgoings\", 0x100100000, 0xFC080) = 0 0
sigprocmask(0x1, 0x0, 0x7FFF5FBFF880) = 0x0 0
sigaltstack(0x0, 0x7FFF5FBFF870, 0x0) = 0 0
read(0xFF, "@\004\211\", 0xBE) = 0 0

```

## cp out.txt out2.txt

```

sigaction(0x1D, 0x7FFF5FBFF330, 0x7FFF5FBFF360) = 0 0
stat64("out2.txt\", 0x7FFF5FBFF580, 0x100003258) = -1 Err#2
lstat64("out.txt\", 0x7FFF5FBFF4F0, 0xFFFFFFFFFFFFFFFF) = 0 0
umask(0x1FF, 0x7FFF5FBFF4F0, 0x0) = 18 0
umask(0x12, 0x7FFF5FBFF4F0, 0xFFFFFFFFED) = 511 0
mmap(0x0, 0x1000000, 0x3, 0x1002, 0x2000000, 0x7FFF00000000) =
0x400000 0
munmap(0x100400000, 0x400000) = 0 0
munmap(0x101000000, 0x400000) = 0 0
stat64("out.txt\", 0x100200258, 0x1) = 0 0
stat64("out2.txt\", 0x7FFF5FBFF460, 0x0) = -1 Err#2
open("out.txt\", 0x0, 0x0) = 3 0
open("out2.txt\", 0x601, 0x81A4) = 4 0
fstatfs64(0x4, 0x7FFF5FBFEAD0, 0x100200258) = 0 0
fstat64(0x4, 0x7FFF5FBFEA20, 0x0) = 0 0
fchmod(0x4, 0x8180, 0x0) = 0 0
read(0x3, "This file contains >20k characters. It has all sorts of text but one important
thing is the point at which 256 characters have been reached. This is still not there
right now, I will put three stars as characters number 254, 255, and 256 in this file. ****",
0x100000) = 22211 0
write(0x4, "This file contains >20k characters. It has all sorts of text but one important
thing is the point at which 256 characters have been reached. This is still not there
right now, I will put three stars as characters number 254, 255, and 256 in this file. ****",
0x56C3) = 22211 0
read(0x3, "ncess Bolconskaya, known as la\r\n\r\nfemme la plus seduisante de
Petersbourg, * was also there. She had been\r\n\r\nmarried during the previous winter,
and being pregnant did not go to\r\n\r\nany large gatherings, but only to small
receptions. Prince Vasili's son,\r\n\r\n", 0x100000) = 0 0
fchmod(0x4, 0x81A4, 0x0) = 0 0

```

```

fstat64_extended(0x3, 0x100200308, 0x100200440)      = 0 0
fstat64(0x4, 0x7FFF5FBFE920, 0x1002002F0)           = 0 0
fchmod(0x4, 0x1A4, 0x0)                             = 0 0
__mac_syscall(0x7FFF80966F13, 0x52, 0x7FFF5FBFE890)  = -1 Err#93
flistxattr(0x4, 0x0, 0x0)                           = 0 0
flistxattr(0x3, 0x0, 0x0)                           = 0 0
fchmod(0x4, 0x1A4, 0x1002002F0)                     = 0 0
close(0x3)      = 0 0
close(0x4)      = 0 0

```

## cp out.txt out2.txt

```

stat64("out2.txt\0", 0x7FFF5FBFF580, 0xFFFFFFFF)    = 0 0
access("out2.txt\0", 0x0, 0x0)                     = 0 0
lstat64("out2.txt\0", 0x7FFF5FBFE6C0, 0x0)           = 0 0
access("out2.txt\0", 0x2, 0x0)                       = 0 0
rename("out2.txt\0", "out2.txt\0")                  = 0 0

```

## rm out2.txt

```

geteuid(0x7FFF5FBFFB72, 0x2F, 0x1)                 = 0 0
ioctl(0x0, 0x4004667A, 0x7FFF5FBFF9DC)             = 0 0
lstat64("out2.txt\0", 0x7FFF5FBFF980, 0x1000021A0)  = 0 0
access("out2.txt\0", 0x2, 0x1)                     = 0 0
unlink("out2.txt\0", 0x0, 0x7FFF701035E0)           = 0 0

```

## mkdir newDir

```

mkdir("newDir\0", 0x1FF, 0xFFFFFFFF)               = 0 0

```

## pwd

```

stat64("/Users/sgoings/OS\0", 0x7FFF5FBFF9E0, 0x7FFF5FBFFAC8) = 0 0
stat64(".\0", 0x7FFF5FBFF950, 0x0)                       = 0 0
getrlimit(0x1008, 0x7FFF5FBFF7F0, 0x7FFF808132EC)       = 0 0
fstat64(0x1, 0x7FFF5FBFF780, 0x7FFF5FBFF84C)            = 0 0
ioctl(0x1, 0x4004667A, 0x7FFF5FBFF7CC)                  = 0 0
mmap(0x0, 0x1000000, 0x3, 0x1002, 0x2000000, 0x7FFF00000000) =
0x300000 0
munmap(0x100300000, 0x500000)                          = 0 0
munmap(0x101000000, 0x300000)                          = 0 0
write_nocancel(0x1, "/Users/sgoings/OS\n\0", 0x12)     = 18 0

```

## chmod 744 longest.txt

```
stat64("longtest.txt\0", 0x100100258, 0x0)      = 0 0
chmod(0x100800000, 0x1E4, 0x1E4)                = 0 0
```

**more longest.txt**

```

sigaction(0x3, 0x7FFF5FBFF9D0, 0x7FFF5FBFFA00)          = 0 0
stat64("longtest.txt\0", 0x7FFF5FBFF7A0, 0x100100ECC)    = 0 0
stat64("longtest.txt\0", 0x7FFF5FBFF850, 0x7FFF70103650) = 0 0
open("longtest.txt\0", 0x0, 0xFC080)                     = 4 0
lseek(0x4, 0x1, 0x0)                                     = 1 0
lseek(0x4, 0x0, 0x0)                                     = 0 0
read(0x4, "This file contains >20k characters. It has all sorts of text but one important
thing is the point at which 256 characters have been reached. This is still not there
right now, I will put three stars as characters number 254, 255, and 256 in this file. ***II",
0x100)                                                    = 256 0
lseek(0x4, 0x1, 0x0)                                     = 1 0
fstat64(0x4, 0x7FFF5FBFF830, 0x0)                        = 0 0
lseek(0x4, 0x0, 0x0)                                     = 0 0
stat64("longtest.txt\0", 0x7FFF5FBFF910, 0x0)            = 0 0
write(0x1, "\033[?1h\033=\0", 0x7)                       = 7 0
read(0x4, "This file contains >20k characters. It has all sorts of text but one important
thing is the point at which 256 characters have been reached. This is still not there
right now, I will put three stars as characters number 254, 255, and 256 in this file. ***II",
0x2000)                                                  = 8192 0
write(0x1, "This file contains >20k characters. It has all sorts of text but one important
thing is the point at which 256 characters have been reached. This is still not there
right now, I will put three stars as characters number 254, 255, and 256 in this file. ***II",
0x3FF)                                                   = 1023 0
write(0x1, "ince Vasili's son,\n\nHippolyte, had come with Mortemart, whom he
introduced. The Abbe Morio\n\nand many others had also come.\n\n\n\n\n * The
most fascinating woman in Petersburg.\n\n\n\n\nTo each new arrival Anna Pavlovna
said, \"You have not yet seen my aunt,\" \n\n", 0x2F7)   = 759 0
...
<many more reads and writes>
...
read(0x3, " \006\0", 0x1)                                = 1 0
write(0x1, "\r\033[K\0", 0x4)                             = 4 0
write(0x1, "\n\n\n\n\nCHAPTER IV\n\n\n\n\nJust then another visitor entered the
drawing room: Prince Andrew\n\nBolkonski, the little princess' husband. He was a very
handsome young\n\nman, of medium height, with firm, clearcut features. Everything
about\n\nhim, from his weary, bore", 0x3FF)                = 1023 0
write(0x1, "\n\n\n\"And Lise, your wife?\"\n\n\n\n\"She will go to the country.\" \n\n\n\n
\"Are you not ashamed to deprive us of your charming wife?\" \n\n\n:\033[Ke general's
name like a Frenchman, \"has been pleased\n\nto take me as an aide-de-camp....\" \n
\0", 0x7E)                                                 = 126 0
read(0x3, " \006\0", 0x1)                                = 1 0

```

```

write(0x1, "\r033[K0", 0x4) = 4 0
write(0x1, "His daughter, Princess Helene, passed between the chairs, lightly\n\nholding up the folds of her dress, and the smile shone still more\n\n\nradiantly on her beautiful face. Pierre gazed at her with rapturous,\n\n\nalmost frightened, eyes as she passed him.\n\n\n\n\"Very ", 0x3FF) = 1023 0
write(0x1, "nto the\n\n\nanteroom. \"I can't remain any longer in Petersburg. Tell me what news\n\n\nmay take back to my poor boy.\"\n\n\n\n\nAlthough Prince Vasili listened reluctantly and not very politely to\n\n\nthe elderly lady, even betraying some impatience, she gave him an\n\n\nning", 0x152) = 338 0
read(0x3, "\006\0", 0x1) = 1 0
write(0x1, "\r033[K0", 0x4) = 4 0
write(0x1, "\n\n\"Andre,\" said his wife, addressing her husband in the same coquettish\n\n\nmanner in which she spoke to other men, \"the vicomte has been telling us\n\n\nsuch a tale about Mademoiselle George and Buonaparte!\"\n\n\n\n\nPrince Andrew screwed up his eyes and turned away. ", 0x3FF) = 1023 0
write(0x1, "hat moment Prince Vasili and his daughter\n\n\nngot up to go and the two young men rose to let them pass.\n\n\n\n\n\"You must excuse me, dear Vicomte,\" said Prince Vasili to the Frenchman,\n\n\n\nholding him down by the sleeve in a friendly way to prevent his rising.\n\n\n\n\"This", 0x1BF) = 447 0
read(0x3, "\006\0", 0x1) = 1 0
write(0x1, "\r033[K0", 0x4) = 4 0
close(0x4) = 0 0
write(0x1, "\n\n\n\"What would it cost you to say a word to the Emperor, and then he would\n\n\n\nbe transferred to the Guards at once?\" said she.\n\n\n\n\n\"Believe me, Princess, I am ready to do all I can,\" answered Prince\n\n\n\nVasili, \"but it is difficult for me to ask the Emperor. I sh", 0x160) = 352 0
fsync(0x3, 0x100022560, 0x0) = 0 0
ioctl(0x3, 0x80487415, 0x7FFF5FBFF8B0) = 0 0

```

```
getrlimit(0x1008, 0x7FFF5FBFF810, 0x7FFF808132EC)          = 0 0
open_nocancel("longtest.txt\0", 0x0, 0x1B6)                 = 3 0
fstat64(0x3, 0x7FFF5FBFF980, 0x0)                             = 0 0
mmap(0x0, 0x56C3, 0x1, 0x1, 0x3, 0x7FFF00000000)             = 0x6F000 0
write(0x1, "be transferred to the Guards at once?" said she.\n\n\n\n\n\n"Believe me,
Princess, I am ready to do all I can,\n" answered Prince\n\n\n\nVasili, \n"but it is difficult for
me to ask the Emperor. I should advise\n\n\n\nyou to appeal to Rumyantsev through
Prince Golitsyn. T", 0x114)                                   = 276 0
fstat64(0x3, 0x7FFF5FBFF6D0, 0x7FFF5FBFF79C)                 = 0 0
mmap(0x0, 0x1000000, 0x3, 0x1002, 0x2000000, 0x7FFF00000000) =
0x300000 0
munmap(0x100300000, 0x500000)                                 = 0 0
munmap(0x101000000, 0x300000)                                 = 0 0
lseek(0x3, 0x0, 0x1)                                           = 0 0
```



```
right now, I will put three stars as characters number 254, 255, and 256 in this file. ***",  
0x1000)                = 4096 0  
read(0x3, "s be prettier than anyone else,\n\nreplied Anna Pavlovna.\n\n\nYou know," said the princess in the same tone of voice and still in\nFrench,  
turning to a general, "my husband is deserting me? He is going\nto get himself  
killed. Tell me what this wre", 0x46C4)                = 18115 0  
read(0x3, " of Catherine's time who now lay dying in Moscow. The young man\n\nhad not yet entered either the military or civil service, as he had only\njust returned from abroad where he had been educated, and this was his\nfirst appearance in society. Anna Pavlo", 0x1)          = 0 0  
read(0x4, "quille, Lise, you will always be prettier than anyone else,\n\nreplied Anna Pavlovna.\n\n\nYou know," said the princess in the same tone of voice  
and still in\nFrench, turning to a general, "my husband is deserting me? He is  
going\nto get himself k", 0x46E0)                = 18143 0  
read(0x4, "hov, a well-known\ngrandee of Catherine's time who now lay dying in  
Moscow. The young man\n\nhad not yet entered either the military or civil service,  
as he had only\njust returned from abroad where he had been educated, and this  
was his\nfirst appea", 0x1)          = 0 0  
fstat64(0x1, 0x7FFF5FBFE970, 0x7FFF5FBFEA3C)            = 0 0  
ioctl(0x1, 0x4004667A, 0x7FFF5FBFE9BC)                  = 0 0  
write_nocancel(0x1, "2a3.4\n, and his big feet spread apart,\nhe began explaining  
his reasons for thinking the abbe's plan chimerical.\n\n\nWe will talk of it later,  
\n said Anna Pavlovna with a smile.\n\nAnd having got rid of this young man  
who did not know how to behav", 0x6)                    = 6 0  
write_nocancel(0x1, "> Here is a different line\nin steady,\nproper, and regular motion. But amid these cares her anxiety about\nPierre was evident. She kept an anxious watch on him when he approached\nthe group round Mortemart to listen to what was being said there, an", 0x1C)    = 28 0  
write_nocancel(0x1, "> \n came up to Morio. Here the\nconversation seemed interesting and he stood waiting for an opportunity\nto express his own views, as young people are fond of doing.\nCHAPTER III\nAnna Pavlovna's reception was in full s", 0x4)          = 4 0  
close(0x3)           = 0 0  
close(0x4)           = 0 0  
close_nocancel(0x1)   = 0 0
```