open() vs. fopen()

open()

```
1  #include <unistd.h>
2  #include <sys/stat.h>
3  #include <fcntl.h>
4  #include <stdio.h>
5
6  int main()
7  {
8    char c;
9    int in;
10   in = open("/tmp/1m.test", O_RDONLY);
11
12   while (read(in, &c, 1) == 1);
13
14   return 0;
15 }
```

fopen() — Buffered I/O

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5    FILE *stream;
6
7    stream = fopen("/tmp/1m.test", "r");
8
9    while ( fgetc(stream) != EOF );
10
11   fclose(stream);
12
13   return 0;
14 }
```

$ strace -c ./open

$ strace -c ./fopen

  $ dd if=/dev/zero of=/tmp/1m.test bs=1k count=1024