

TEST

Make clean

```
nsh /home/matias/xv6-public
matias@pop-os ~/xv6-public (master)> make clean
Makefile:193: warning: overriding recipe for target 'fs.img'
Makefile:190: warning: ignoring old recipe for target 'fs.img'
rm -f *.tex *.dvi *.idx *.aux *.log *.ind *.ilg \
*.o *.d *.asm *.sym vectors.S bootblock entryother \
initcode initcode.out kernel xv6.img fs.img kernelmemfs \
xv6memfs.img mkfs .gdbinit \
_cat _echo _forktest _grep _init _kill _ln _ls _mkdir _rm _sh _stressfs _user
matias@pop-os ~/xv6-public (master)>
```

Make

```
matias@pop-os ~/xv6-public (master)> make
Makefile:193: warning: overriding recipe for target 'fs.img'
Makefile:190: warning: ignoring old recipe for target 'fs.img'
gcc -fno-pic -static -fno-builtin -fno-strict-aliasing -O2 -Wall -MD -ggdb -mc
gcc -fno-pic -static -fno-builtin -fno-strict-aliasing -O2 -Wall -MD -ggdb -mS
ld -m elf_i386 -N -e start -Ttext 0x7C00 -o bootblock.o bootasm.o bootmain.o
objdump -S bootblock.o > bootblock.asm
objcopy -S -O binary -j .text bootblock.o bootblock
./sign.pl bootblock
boot block is 451 bytes (max 510)
gcc -fno-pic -static -fno-builtin -fno-strict-aliasing -O2 -Wall -MD -ggdb -mc
gcc -fno-pic -static -fno-builtin -fno-strict-aliasing -O2 -Wall -MD -ggdb -mc
10000+0 records in
10000+0 records out
5120000 bytes (5.1 MB, 4.9 MiB) copied, 0.0313037 s, 164 MB/s
dd if=bootblock of=xv6.img conv=notrunc
1+0 records in
1+0 records out
512 bytes copied, 8.6394e-05 s, 5.9 MB/s
dd if=kernel of=xv6.img seek=1 conv=notrunc
393+1 records in
393+1 records out
201416 bytes (201 kB, 197 KiB) copied, 0.00105747 s, 190 MB/s
matias@pop-os ~/xv6-public (master)>
```

Make qemu-nox

- Command line version - works the same in “make qemu”

```
make qemu-nox /home/matias/xv6-public
SeaBIOS (version 1.15.0-1)

iPXE (https://ipxe.org) 00:03.0 CA00 PCI2.10 PnP PMM+1FF8B4A0+1FECB4A0 CA00

Booting from Hard Disk..xv6...
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap start 58
init: starting sh
$
```

Filename: test

Command: head test

```
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Booting from Hard Disk..xv6...
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap start 58
init: starting sh
$ head test
NOTE: we have stopped maintaining the x86 version of xv6, and switched
our efforts to the RISC-V version
(https://github.com/mit-pdos/xv6-riscv.git)

xv6 is a re-implementation of Dennis Ritchie's and Ken Thompson's Unix
Version 6 (v6).  xv6 loosely follows the structure and style of v6,
but is implemented for a modern x86-based multiprocessor using ANSI C.

ACKNOWLEDGMENTS

$
```

Command: head -n 20 test

```
make qemu-nox /home/matias/xv6-public

Booting from Hard Disk..xv6...
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap start 58
init: starting sh
$ head -n 20 test
NOTE: we have stopped maintaining the x86 version of xv6, and switched
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(https://github.com/mit-pdos/xv6-riscv.git)

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ACKNOWLEDGMENTS

xv6 is inspired by John Lions's Commentary on UNIX 6th Edition (Peer
to Peer Communications; ISBN: 1-57398-013-7; 1st edition (June 14,
2000)). See also https://pdos.csail.mit.edu/6.828/, which
provides pointers to on-line resources for v6.

xv6 borrows code from the following sources:
  JOS (asm.h, elf.h, mmu.h, bootasm.S, ide.c, console.c, and others)
  Plan 9 (entryother.S, mp.h, mp.c, lapic.c)
  FreeBSD (ioapic.c)
  NetBSD (console.c)

$
```