

1 Build times of Hurd

Build times of hurd-0.7.git20160320-2 for different versions of gnumach, hurd and glibc.
No memory starvation, no swap used during the build.

Before every build:

- Installations and reboots as needed.
- `\rm -r hurd-0.7.git20160320`
- `apt-get source hurd`

Compiler: gcc-5.3.1-12
Build target: hurd-0.7.git20160320-2

glibc version: 2.22-5		
Hurd version	gnumach version	Build time
0.7.git20160320-2	1.6+git20160311-1	29m19s
	1.5+git20150922-1	26m11s
	1.4+git20150409-2	27m27s
0.7-1	1.6+git20160311-1	28m13s
	1.5+git20150922-1	23m59s
	1.4+git20150409-2	25m09s
0.6-4 ¹	1.6+git20160311-1	88m15s
	1.5+git20150922-1	38m00s
	1.4+git20150409-2	34m49s
0.6-4	1.4+git20150409-2	26m01s

glibc version: 2.21-9		
Hurd version	gnumach version	Build time
0.7.git20160320-2	1.6+git20160311-1	28m17s
	1.5+git20150922-1	25m32s
	1.4+git20150409-2	25m42s
0.7-1	1.6+git20160311-1	26m49s
	1.5+git20150922-1	24m23s
	1.4+git20150409-2	23m11s
0.6-4	1.6+git20160311-1	47m36s
	1.5+git20150922-1	27m02s
	1.4+git20150409-2	32m46s

¹fakeroot-tcp: fakeroot-hurd crashes

2 Build times of glibc

Build times of glibc-2.22-6,7 for different versions of gnumach. No memory starvation, no or little swap used during the build.

Before every build:

- Installations and reboots as needed.
- fakeroot debian/rules clean
- export DEB_BUILD_OPTIONS=nocheck
- Note: Due to a (still unresolved) bug in Hurd-specific code in glibc no i686 versions are buildable. All builds are i586.

Compiler: gcc-5.3.1-13
Build target: glibc-2.22-6

glibc version: 2.22-5		
Hurd version	gnumach version	Build time
0.7.git20160320-2	1.6+git20160311-1	74m41s
	1.5+git20150922-1	44m32s
	1.4+git20150409-2	47m24s
0.7-1	1.6+git20160311-1	79m14s
	1.5+git20150922-1	41m50s
	1.4+git20150409-2	45m19s
0.7.git20160320-2 ¹	1.6+git20160311-1	101m11s
	1.5+git20150922-1	49m52s
	1.4+git20150409-2	51m07s

Compiler: gcc-5.3.1-19
Build target: glibc-2.22-7

glibc version: 2.22-7		
Hurd version	gnumach version	Build time
0.7.git20160320-2	1.6+git20160502-1 ²	41m04s
	1.6-rbraun 20160516	39m10s
0.7.git20160320-2 ¹	1.6+git20160502-1 ²	55m43s
	1.6-rbraun 20160516	43m42s

¹qemu:-drive cache=none

²page-cache-policy patches reverted