

Appendix B. NFS Test Result on Reynolds

BASIC TESTS (directory /r/reynolds/rb/lam/test/testdir)

The test directory is /r/reynolds/rb/lam/test/testdir

test1: File and directory creation test

created 155 files 62 directories 5 levels deep in 16.70 seconds

test1 ok.

test2: File and directory removal test

real 36.0

user 0.3

sys 11.7

test2 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test3: lookups across mount point

500 getwd and stat calls in 56.76 seconds

test3 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test4: setattr, getattr, and lookup

1000 chmods and stats on 10 files in 19.59 seconds

test4 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test5: read and write

wrote 1048576 byte file 10 times in 64.36 seconds (163840 bytes/sec)

read 1048576 byte file 10 times in 71.18 seconds (147686 bytes/sec)

test5 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test6: readdir

20500 entries read, 200 files in 36.73 seconds

test6 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test7: link and rename

200 renames and links on 10 files in 19.66 seconds

test7 ok.

The test directory is /r/reynolds/rb/lam/test/testdir

test8: symlink and readlink

test8: (/r/reynolds/rb/lam/test/testdir) can't make symlink file.0 : I/O error

The test directory is /r/reynolds/rb/lam/test/testdir

test9: statfs
type=1, bsize=4096, blocks=7150080, bfree=1142704,
bavail=6007376, files=0, ffree=0, fname=reynol, fpack=ds
1500 statfs calls in 17.17 seconds
test9 ok.

Congratulations, you passed the basic tests!

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GENERAL TESTS (directory /r/reynolds/rb/lam/test/testdir)
if (-d /r/reynolds/rb/lam/test/testdir) then
rm -rf /r/reynolds/rb/lam/test/testdir
mkdir /r/reynolds/rb/lam/test/testdir
endif
cp Makefile runtests *.sh *.c mkdummy rmdummy nroff.in makefile.tst \
/r/reynolds/rb/lam/test/testdir
```

Small Compile
7.1 (2.5) real 1.9 (0.0) user 1.8 (0.4) sys

Tbl
stat: bad data format in tbl.time (Permission denied: tbl)

Nroff
stat: bad data format in nroff.time (No such file or directory: nroff)

Large Compile
12.1 (1.0) real 4.3 (0.0) user 2.3 (0.1) sys

Four simultaneous large compiles
39.6 (1.8) real 17.9 (0.3) user 10.9 (0.1) sys

Makefile
10.6 (0.6) real 1.1 (0.1) user 5.5 (0.2) sys

```
SPECIAL TESTS (directory /r/reynolds/rb/lam/test/testdir)
if ( -d /r/reynolds/rb/lam/test/testdir) then
rm -rf /r/reynolds/rb/lam/test/testdir
mkdir /r/reynolds/rb/lam/test/testdir
endif
cp runtests open-unlk open-chmod dupreq excltest statfs negseek rename holey
/r/reynolds/rb/lam/test/testdir
```

check for proper open/unlink operation
nfstesta28720 open; unlink ret = 0
Test completed successfully.

check for proper open/chmod 0 operation
nfstesta28721 open; chmod ret = 0

test completed successfully.

check for lost reply on non-idempotent requests
100 tries, 0 lost replies

test exclusive create, should get: exctest.file2: File exists
exctest.file2: File exists

test statfs for file count, should get positive, different numbers
(known bug in some implementations)
inodes 4606 free 3395

test negative seek, you should get: read: Invalid argument
read: Invalid argument

test rename
Test completed successfully.

test sparse file write/read

Holey file test ok

Special tests complete

All tests completed