Appendix A. NFS Test Result on Navier

BASIC TESTS (directory /r/navier/nb/lam/test/testdir)

The test directory is /r/navier/nb/lam/test/testdir
test1: File and directory creation test
        created 155 files 62 directories 5 levels deep in 19.22 seconds
        test1 ok.

test2: File and directory removal test

real   20.3
user   0.2
sys   10.9
        test2 ok.

The test directory is /r/navier/nb/lam/test/testdir
test3: lookups across mount point
        500 getwd and stat calls in 24.67 seconds
        test3 ok.

The test directory is /r/navier/nb/lam/test/testdir
test4: setattr, getattr, and lookup
        1000 chmods and stats on 10 files in 22.43 seconds
        test4 ok.

The test directory is /r/navier/nb/lam/test/testdir
test5: read and write
        wrote 1048576 byte file 10 times in 59.16 seconds (177724 bytes/sec)
        read 1048576 byte file 10 times in 66.80 seconds (158875 bytes/sec)
        test5 ok.

The test directory is /r/navier/nb/lam/test/testdir
test6: readdir
        20500 entries read, 200 files in 41.79 seconds
        test6 ok.

The test directory is /r/navier/nb/lam/test/testdir
test7: link and rename
        200 renames and links on 10 files in 23.9 seconds
        test7 ok.

The test directory is /r/navier/nb/lam/test/testdir
test8: symlink and readlink
        test8: (/r/navier/nb/lam/test/testdir) can't make symlink file.0 : I/O error

The test directory is /r/navier/nb/lam/test/testdir

test9: statfs
        type=1, bsize=4096, blocks=5940480, bfree=151568,
        bavail=5788912, files=0, ffree=0, fname=navier, fpack=
        1500 statfs calls in 19.85 seconds
        test9 ok.

Congratulations, you passed the basic tests!

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

Small Compile
        8.3 (3.2) real   2.1 (0.1) user   2.0 (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
        17.8 (3.1) real 4.5 (0.0) user   3.0 (0.4) sys

Four simultaneous large compiles
        37.7 (2.2) real 17.7 (0.3) user   10.9 (0.3) sys

Makefile

11.2 (0.6) real 1.1 (0.0) user   5.8 (0.2) sys

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

check for proper open/unlink operation
nfstesta29367 open; unlink ret = 0
Test completed successfully.

check for proper open/chmod 0 operation

nfstesta29368 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