

## Change in NFS client behavior

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-08/7936.html>

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**Date:** 08/31/05

Date: Wed, 31 Aug 2005 08:55:45 -0600

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We have noticed when changing from kernel 2.4.23 to 2.6.8 that timestamps of files are not changed if opened for a write and nothing is written. When using 2.4.23 timestamps are changed. When using a local filesystem (reiserfs) with either kernel, timestamps are changed. Symptoms vary with the client, not the server. See the script below.

When run on a 2.4.23 machine in an NFS mounted directory, output is "Good." When run on a 2.6.8 or 2.6.12-rc4 machine in an NFS directory, output is "Error."

Is this a bug? How do we revert to the 2.4/local fs behavior?

Thanks,

Rob

```
#!/bin/sh
```

```
if [ -n "$1" ]; then
  if [ -e "$1" ]; then
    printf "%s exists – please specify a new file name.\n" "$1"
  else
    touch $1
    origtime=`stat -c '%X %Y %Z' "$1"`
    sleep 5
    cat /dev/null > "$1"
    newtime=`stat -c '%X %Y %Z' "$1"`
    rm "$1"

    printf "%s\n%s\n" "$origtime" "$newtime"
    if [ "$origtime" = "$newtime" ]; then
      printf "Error – timestamps not modified\n"
    else
      printf "Good – timestamps modified\n"
    fi
  fi
else
  printf "Please specify a file name.\n"
```

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