NAME

nfsstat – NFS statistics

SYNOPSIS

nfsstat [**−cmnrsz**]

AVAILABILITY

SUNWcsu

DESCRIPTION

nfsstat displays statistical information about the NFS and RPC (Remote Procedure Call), interfaces to the kernel. It can also be used to reinitialize this information. If no options are given the default is

nfsstat −cnrs

That is, display everything, but reinitialize nothing.

OPTIONS

−c Display client information. Only the client side NFS and RPC information will be printed. Can be combined with the **−n** and **−r** options to print client NFS or client RPC information only.

−m Display statistics for each NFS mounted file system. This includes the server name and address, mount flags, current read and write sizes, the retransmission count, and the timers used for dynamic retransmission. The **srtt** value contains the smoothed round trip time, the **dev** value contains the estimated deviation, and the **cur** value is the current backed-off retransmission value.

−n Display NFS information. NFS information for both the client and server side will be printed. Can be combined with the **−c** and **−s** options to print client or server NFS information only.

−r Display RPC information.

−s Display server information.

−z Zero (reinitialize) statistics. This option is for use by the super-user only, and can be combined with any of the above options to zero particular sets of statistics after printing them.

DISPLAYS

The server RPC display includes the following fields:

calls The total number of RPC calls received.

badcalls The total number of calls rejected by the RPC layer (the sum of **badlen** and **xdrcall** as defined below).

nullrecv The number of times an RPC call was not available when it was thought to be received.

badlen The number of RPC calls with a length shorter than a minimum-sized RPC call.

xdrcall The number of RPC calls whose header could not be XDR decoded.

dupchecks The number of RPC calls that looked up in the duplicate request cache.

dupreqs The number of RPC calls that were found to be duplicates.

The server NFS display shows the number of NFS calls received (**calls**) and rejected (**badcalls**), and the counts and percentages for the various calls that were made.

The client RPC display includes the following fields:

calls The total number of RPC calls made.

badcalls The total number of calls rejected by the RPC layer.

badxids The number of times a reply from a server was received which did not correspond to any outstanding call.

timeouts The number of times a call timed out while waiting for a reply from the server.

newcreds The number of times authentication information had to be refreshed.

badverfs The number of times the call failed due to a bad verifier in the response.

timers The number of times the calculated time-out value was greater than or equal to the minimum specified time-out value for a call.

cantconn The number of times the call failed due to a failure to make a connection to the server.

nomem The number of times the call failed due to a failure to allocate memory.

interrupts The number of times the call was interrupted by a signal before completing.

retrans The number of times a call had to be retransmitted due to a timeout while waiting for a reply from the server. Applicable only to RPC over connection-less transports.

The client NFS display shows the number of calls sent and rejected, as well as the number of times a **CLIENT** handle was received (**clgets**), the number of times the **CLIENT** handle cache had no unused entries (**cltoomany**), as well as a count of the various calls and their respective percentages.

SEE ALSO

SPARC: Installing Solaris Software
x86: Installing Solaris Software