

File created: 19-Feb-88 19:27:57 {QV}<BURWELL>LISP>NSALLOCATION.;3

changes to: (FNS NSALLOCATION.STATS NSALLOCATION)

previous date: 19-Feb-88 18:05:54 {QV}<BURWELL>LISP>NSALLOCATION.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

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(RPAQQ NSALLOCATIONCOMS ((FNS NSALLOCATION NSALLOCATION.STATS)))

(DEFINEQ

(NSALLOCATION

```
(LAMBDA (|FileServers| |ReportFile| |Filter|) ; Edited 19-Feb-88 18:10 by bbb
  (LET ((|NSDiskSizeInPages| 433907)
        |ReportFileStream|)
    (CL:WITH-OPEN-FILE (|ReportFileStream| |ReportFile| :DIRECTION :OUTPUT)
      (|if| |Filter|
        |then| (|printout| |ReportFileStream| "Using Filter " |Filter| T T))
      (|printout| |ReportFileStream| .FONT '(TERMINAL 12)
        "File Service" .TAB 20 "# Pages Used" .TAB 35 "as %" .TAB 45 "# Pages Used" .TAB 60
        "as %" .TAB 70 "# Pages" .TAB 80 "as %" .TAB 90 "Total % Used" T)
      (|printout| |ReportFileStream| "Name" .TAB 20 "Unrestricted" .TAB 35 "of disk" .TAB 45
        "Restricted" .TAB 60 "of alloc" .TAB 70 "alloc" .TAB 80 "of disk" .TAB 90 "of disk" T)
      (|printout| |ReportFileStream| "-----" .TAB 20 "-----" .TAB 35 "-----" .TAB
        45 "-----" .TAB 60 "-----" .TAB 70 "-----" .TAB 80 "-----" .TAB 90
        "-----" T)
      (|printout| |ReportFileStream| T)
      (|for| |Server| |in| |FileServers| |bind| |Result| |PagesUnrestricted| |PagesRestricted|
        |PagesAllocated| |PercentUnrestricted|
        |PercentRestrictedofAllocated| |PercentAllocated|
        |TotalPercentUsed|
      |when| (SETQ |Result| (NSALLOCATION.STATS |Server| |Filter|))
      |do| (SETQ |PagesUnrestricted| (CAR (NTH |Result| 1)))
          (SETQ |PagesRestricted| (CAR (NTH |Result| 2)))
          (SETQ |PagesAllocated| (CAR (NTH |Result| 3)))
          (SETQ |PercentUnrestricted| (TIMES (FQUOTIENT |PagesUnrestricted| |NSDiskSizeInPages|
            100.0))
          (SETQ |PercentRestrictedofAllocated| (TIMES (FQUOTIENT |PagesRestricted| |PagesAllocated|
            100.0))
          (SETQ |PercentAllocated| (TIMES (FQUOTIENT |PagesAllocated| |NSDiskSizeInPages|
            100.0))
          (SETQ |TotalPercentUsed| (TIMES (FQUOTIENT (PLUS |PagesUnrestricted| |PagesRestricted|)
            |NSDiskSizeInPages|
            100.0))
          (|printout| |ReportFileStream| |Server| .TAB 20 .I12 |PagesUnrestricted| .TAB 35 .F7.1
            |PercentUnrestricted| .TAB 45 .I12 |PagesRestricted| .TAB 60 .F8.2
            |PercentRestrictedofAllocated| .TAB 70 .I7 |PagesAllocated| .TAB 80 .F7.1
            |PercentAllocated| .TAB 90 .F12.1 |TotalPercentUsed| T))))))
```

(NSALLOCATION.STATS

```
(LAMBDA (|FileServiceName| |Filter|) ; Edited 19-Feb-88 19:20 by bbb
  ;; Given a file service name the following three pieces of data are returned in a list:
  ;; 1) number of pages in use of unrestricted file drawers
  ;; 2) number of pages in use in restricted file drawers
  ;; 3) number of pages allocated to file drawers
  ;;
  ;; If Filter is NON-NIL then it is used as a file pattern for selecting directories
  (LET* ((|FileServiceDirectories| (DIRECTORY (CONCAT "{" |FileServiceName| "}")
    'COLLECT))
        (|FileServiceDevice| (\\GETDEVICEFROMNAME |FileServiceName|))
        (|NumBytesUnrestricted| 0)
        (|NumBytesRestricted| 0)
        (|NumBytesAllocated| 0)
        (|BytesPerPage| 512)
        (|Filter| (|if| |Filter|
          |then| (DIRECTORY.MATCH.SETUP |Filter|))))
    (|for| |Directory| |in| |FileServiceDirectories| |bind| |DirectoryAllocation| |DirectoryUsed|
      |when| (OR (NULL |Filter|)
        (DIRECTORY.MATCH |Filter| |Directory|))
      |do| (SETQ |DirectoryAllocation| (\\NSFILING.GETFILEINFO |Directory| 'SUBTREE.SIZE.LIMIT
        |FileServiceDevice|))
          (SETQ |DirectoryUsed| (\\NSFILING.GETFILEINFO |Directory| 'SUBTREE.SIZE |FileServiceDevice|))
          (|if| (IGEQL |DirectoryAllocation| 0)
            |then| (|add| |NumBytesAllocated| |DirectoryAllocation|)
            (|add| |NumBytesRestricted| |DirectoryUsed|))
```

{MEDLEY}<obsolete>lispusers>NSALLOCATION.;1 (NSALLOCATION.STATS cont.)

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      |else| (|add| |NumBytesUnrestricted| |DirectoryUsed|)))  
(LIST (FQUOTIENT |NumBytesUnrestricted| |BytesPerPage|)  
      (FQUOTIENT |NumBytesRestricted| |BytesPerPage|)  
      (FQUOTIENT |NumBytesAllocated| |BytesPerPage|))))
```

)

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FUNCTION INDEX

NSALLOCATION1 NSALLOCATION.STATS1
