

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

; Copyright (c) 1988 by Xerox Corporation. All rights reserved.

(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.)
```

Page 2

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

```
)
```

```
(PUTPROPS NSALLOCATION COPYRIGHT ("Xerox Corporation" 1988))
```

FUNCTION INDEX

NSALLOCATION	1	NSALLOCATION.STATS	1
--------------------	---	--------------------------	---
