HP(IV)

NAME

DESCRIPTION

The files hp0, ..., hp31 refer to sections of RP disk drive 0. The files hp32, ..., hp63 refer to drive 1 etc. This is done since the size of a full RP drive is larger than the maximum file system size. This allows a disk to be broken up into more manageable pieces. The driver recognizes and maps the hp identification into disk sections as defined below.

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	hp#	start	length	cylinder
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0	0	•	•
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				23 thru 43 possible swap area
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1	18392	65535	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	84018		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
	4	0	40600	=
	5	41800	40600	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6	84018	40600	
	7	125400		
10 84436 65535 202 thru 359 11 150480 20000 360 thru 407 12 170544 65535 408 thru 565 13 236588 65535 566 thru 723 14 302632 37200 724 thru 812 813 thru 814 spare 813 thru 201 16 51414 33000 123 thru 201 17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 360 thru 407 20 170544 33000 488 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	8	0	18300	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	9	18392	65535	44 thru 201
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10	84436	65535	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11	150480	20000	
14 302632 37200 724 thru 812 15 18392 33000 44 thru 122 16 51414 33000 123 thru 201 17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 380 thru 407 20 170544 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	12	170544	65535	
15 18392 33000 44 thru 122 16 51414 33000 123 thru 201 17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 380 thru 407 20 170544 33000 408 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	13	236588	65535	566 thru 723
15 18392 33000 44 thru 122 16 51414 33000 123 thru 201 17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 360 thru 407 19 158840 11700 20 170544 33000 408 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	14	302632	37200	724 thru 812
15 18392 33000 44 thru 122 16 51414 33000 123 thru 201 17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 360 thru 407 19 158840 11700 20 170544 33000 408 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723				813 thru 814 spare
17 84436 33000 202 thru 280 18 117458 33000 281 thru 359 360 thru 379 possible swap area 360 thru 407 19 158840 11700 20 170544 33000 487 thru 486 21 203566 22 236588 33000 566 thru 644 23 269610	15	18392	33000	-
18 117458 33000 281 thru 359 360 thru 379 possible swap area 19 158840 11700 380 thru 407 20 170544 33000 408 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	16	51414	33000	123 thru 201
19 158840 11700 360 thru 379 possible swap area 19 158840 11700 380 thru 407 20 170544 33000 408 thru 486 21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	17	84436	33000	202 thru 280
1915884011700380 thru 4072017054433000408 thru 4862120356633000487 thru 5652223658833000566 thru 6442326961033000645 thru 723	18	117458	33000	281 thru 359
1915884011700380 thru 4072017054433000408 thru 4862120356633000487 thru 5652223658833000566 thru 6442326961033000645 thru 723				360 thru 379 possible swap area
21 203566 33000 487 thru 565 22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	19	158840	11700	
22 236588 33000 566 thru 644 23 269610 33000 645 thru 723	20	170544	33000	408 thru 486
23 269610 33000 645 thru 723	21	203566	33000	487 thru 565
	22	236588	33000	
24–31 user definable	23	269610	33000	645 thru 723
	24-31			user definable

The sectioning for additional drives is similar. RP04, RP05 and RP06 disk drives are supported. Cylinders numbered greater than 410 are for use on RP06 drives only.

Users must configure their disks using a consistent set of these sections. Use of overlapping sections is risky.

The hp files access the disk via the system's normal buffering mechanism and may be read and written without regard to physical disk records. For different I/O modes see *setio(f)*.

FILES

/dev/hp?

HP(IV)