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Title:

RC8000 Utility Program
Disctell

Keywords:

RC8000, basic software, utility program, physical discs, logical discs.

Abstract:

This manual describes the utility program disctell.

(14 printed pages)

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Foreword:

When copying discs by the utility program disccopy, hard errors reading the disc will be identified by the program as errors reading disc segments returned by the program by physical segment numbers on the given physical disc.

The present program solves the problem of identifying the logical context in which a physically numbered segment occurs.

1. INTRODUCTION.

The program may

- list the physical discs described in the monitor
- list the logical discs located on a given physical disc
- list the logical disc and the logical slice and segment number of a given physical segment number of a given physical disc together with a description of a possible area in which the segment belongs (name, base, namekey, permkey, slicelength and slicelist of the area).

2. CALL:

(outfile =) disctell

(outfile =) disctell disc

(outfile =) disctell <physical disc no> <segment no>

1

0

Explanation:

disctell

Gives a list of the possible parameters.

disctell disc

Gives a list of the physical discs described in the monitor.

disctell <physical device no>

Gives a list of the logical discs located on <physical device no>.

disctell <physical device no> <segment no>

Gives the logical disc and slice number of the given segment, possibly including name of area, size, bases, permkey, slicelength and slicelist of the area with an indication of whether the segment is inside or outside the used part of the slices of the area.

3. EXAMPLES:

3.1 Example 1.

*disctell

Call:

'disctell disc'

Describes the physical disc drives included in the monitor.

'disctell <physical disc no>'

Describes the logical discs located on the physical disc.

'disctell <physical disc no> <segmentno>'

Describes the state and contents of the logical disc located on the specified physical disc.

3.2. Example 2.

*disctell disc

Physical disc: device no.	26	process descr. addr.	25240
Physical disc: device no.	28	process descr. addr.	25632
Physical disc: device no.	31	process descr. addr.	26064
Physical disc: device no.	33	process descr. addr.	26456
Physical disc: device no.	36	process descr. addr.	26888
Physical disc: device no.	39	process descr. addr.	27320
Physical disc: device no.	42	process descr. addr.	27752
Physical disc: device no.	45	process descr. addr.	28184

3.3 Example 3.

*disctell 26

Logical disc:	6	disc	process descr. addr.	20062
Logical disc:	27		process descr. addr.	25560

3.4 Example 4.

*disctell 26 100

Disc reserved for system purpose:

Device number	27
Process descr. addr.	25560
Segment number	100 of 1050

3.5 Example 5.

*disctell 26 10000

Segment no. 10000 is located on device 6 disc
on logical slice no. 426

Entry name	magparam	
Size	2	
Bases	-8388607	8388605
Namekey	69 on catdisc	
Permkey	3	
Slicelength	21	
Slicelist	426	

Number of slices 1

The segment is outside the area (segment no. 4 of the area
segment no. 4 of the slice)

3.6 Example 6.

*disctell 26 40000

Segment no. 4000 is located on device 6 disc
on logical slice no. 1854

Entry name sortedc
 Size 1708
 Bases 1000 1000
 Namekey 64 on catdisc
 Permkey 3
 Slicelength 21

Slicelist

1805	1806	1807	1808	1809	1810	1811	1812
1813	1814	1815	1816	1817	1818	1819	1820
1821	1822	1823	1824	1825	1826	1827	1828
1829	1830	1831	1832	1833	1834	1835	1836
1837	1838	1839	1840	1841	1842	1843	1844
1845	1846	1847	1848	1849	1850	1851	1852
1853	1854	1855	1856	1857	1858	1859	1860
1861	1862	1863	1864	1865	1866	1867	1868
1869	1870	1871	1872	1873	1874	1875	1876
1877	1878	1879	1880	1881	1882	1883	1884
1885	1886						

Number of slices 82

The segment is inside the area (segment no. 1045 of the area
 segment no. 16 of the slice)

3.7 Example 7.

*disctell 26 43000

Segment no. 43000 is located on device 6 disc
 on logical slice no. 1997

Slice 1997 is free

3.8 Example 8.

*disctell 26 86000

Segment number is located on the specified physical disc
 but not described in catalog/chaintable

Number of segment on disc 86415

3.9 Example 9.

*disctell 26 100000

Segment is outside the physical disc drive
Number of segment on disc 86415

3.10 Example 10.

*disctell 86000

Device number is outside device table

3.11 Example 11.

*disctell 27

Device is not a physical disc

RETURN LETTER

Title: RC8000 Utility Program Disctell

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