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Title:

Discstat

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RC8000, disc, external, process, driver, statistics.

Abstract:

This manual describes a program to print statistical information maintained by a disc driver serving a disc storage module (RC82xx) connected to an RC8000 computer.

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<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
1. INTRODUCTION	1
2. CALL	2
3. FUNCTION	3
4. EXAMPLES	4
5. ERROR MESSAGES	5

1. INTRODUCTION

1.

The program is a diagnostic tool for printing statistical information maintained by a physical disc driver, serving a disc storage module (RC82xx) connected to an RC8000 computer.

The program may as well print directly from the core as from a file containing a core picture.

2. CALL

2.

discstat disc.<drivename>(<device>)₀¹

or

discstat dump.<dumparea>.<proc descr addr>

<device>::= <devicenumber>

<dumparea>::= name

<devicenumber>::=

<proc descr addr>::= integer

3. FUNCTION

3.

The program sends a message to the specified driver to collect the statistics. The driver may be either a logical or a physical disc driver - in either case the statistics concern the information created by a physical driver.

Please note that the driver will reset its statistics when the information has been collected. Please also note that a logical disc holding a logical backing storage during normal use will be reserved by the anonymous process executing process functions - therefore use the discstat program on the physical disc driver or on another logical disc (e.g. the autoload disc) on the same physical disc.

If <device> is specified the program creates a peripheral process named <drivename> to the device.

If the first parameter is 'dump', it is supposed that the backing storage area <dumparea> contains a core picture with core address 0 equivalent to area address 0.

The driver addressed may be either a logical or a physical disc driver - in either case the statistics concern the information created by a physical driver.

4. EXAMPLES

4.

The following command extracts statistics about the disc to which the disc driver process named 'disc2' is connected:

```
discstat disc.disc2
```

The following command creates the peripheral process 'disc2auto' on device 12:

```
discstat disc.disc2auto.12
```

The following command extracts statistics about the disc with the process description address 24678 from the coredump in the file named core8000:

```
discstat dump.core8000.24678
```

5. ERROR MESSAGES

5.

***discstat, syntax

syntax error in call

***discstat, buffer claim exceeded

no message buffer available

***discstat, monitor result<result>

a normal answer was not received from the disc driver.

<result> is the result delivered in the answer to the message

***discstat, create <result>

not possible to create a peripheral process for a reason given
by <result>

***discstat, status error <status>

<status> is the (decimal) statusword received from the disc
driver

RETURN LETTER

Title: Discstat

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