
RCSL No: 31-D570

Edition: June 1979

Author: Hans Henriksen

Title:

SLICELIST
Utility Program

Keywords:

RC8000, RC82xx disc storage, backing storage files, file allocation check.

Abstract:

This manual describes the utility program SLICELIST used to obtain knowledge of the slices constituting a backing storage file and how these are distributed on cylinders.

The scope of the program is restricted to files stored on RC82xx discs.

(8 printed pages)

Copyright © 1980, A/S Regnecentralen af 1979
RC Computer A/S

Printed by A/S Regnecentralen af 1979, Copenhagen

Users of this manual are cautioned that the specifications contained herein are subject to change by RC at any time without prior notice. RC is not responsible for typographical or arithmetic errors which may appear in this manual and shall not be responsible for any damages caused by reliance on any of the materials presented.

1. SLICELIST.

1.

The utility program SLICELIST can provide you with a survey showing the slices constituting a backing storage file and how these are distributed on cylinders.

The scope of the program is restricted to files stored on an RC82xx disc storage.

1.1 Example.

1.1

If the user wants a survey of the slicenumbers of his file "myfile", then the FP-command

```
slicelist myfile
```

is sufficient. If he also wishes to know how the slices are distributed on cylinders, he will have to use the FP-command

```
slicelist cylinder.yes myfile
```

1.2 Syntax.

1.2

$$\{\langle \text{outfile} \rangle =\}_{0}^{1} \quad \text{slicelist} \quad \left\{ \left\{ \langle \text{modifier} \rangle \right\}^{*} \langle \text{filename} \rangle \right\}^{*}$$

$$\langle \text{modifier} \rangle ::= \left\{ \begin{array}{l} \text{cylinder} \\ \text{segment} \\ \text{slice} \end{array} \right\} \cdot \left\{ \begin{array}{l} \text{yes} \\ \text{no} \end{array} \right\}$$

1.3 Semantics.

1.3

<filename>	The name of a file stored on an RC82xx disc.
<modifier>	The <modifier>s are used to determine the surveys to be output. An occurrence of a <modifier> applies to all the following occurrences of <filename>. Their initial values and their associated surveys are described below.
cylinder	Default is cylinder.no. If cylinder.yes is specified, a survey will be output showing how the slices are distributed on cylinders. The cylinders are numbered from zero, cylinder number zero being the first cylinder of the logical disc on which the file is stored.
segment	Default is segment.no. If segment.yes is specified, a survey of the numbers of the first segments in each of the slices constituting the file will be output. The segments are numbered from zero, segment number zero being the first segment of the logical disc on which the file is stored. The possible difference between the numbering of segments on odd numbered cylinders and even numbered cylinders is not taken into account.
slice	Default is slice.yes. A survey of the numbers of the slices constituting the file is output. If slice.no is specified, the survey is suppressed.
<outfile>	The name of a bs-file or a catalog entry describing a peripheral device. If an <outfile> is present in the program call, this file is used for program output (including possible error messages) - otherwise the current output file is used.

If <outfile> is not found in the catalog, a bs-file of that name with scope temp is created on the main-disc.

1.4 Program Output.

1.4

For each filename the corresponding catalog entry is output using the same layout as the one used by the program LOOKUP. Furthermore some characteristics for the logical disc and for the physical disc, on which the file is stored, are output:

logical disc

slicelength

the number of the first segment

the size in segments

physical disc

the address (in core) of the process description

the number of segments per cylinder

the odd cylinder shift

Finally depending of <modifier>, one or more of the following three surveys are output:

- slicenumbers
- the number of the first segment of each of the slices constituting the file
- the distribution of the slices on cylinders

1.5 Error Messages.

1.5

- ***slicelist <outfile> cannot be connected
the chosen output file could not be connected, the
current output file is used instead.
- ***slicelist <filename> cannot be looked up
no entry in the main catalog corresponding to <file-
name> can be found.
- ***slicelist <filename> is not a bs-area
the catalog entry corresponding to <filename> does
not describe a backing storage area.
- ***slicelist <filename>, <devicename> intervention
the device <devicename>, on which the file <filename>
is stored, is not currently accessible due to some
error.
- ***slicelist <filename>, <devicename> is not an RC82xx disc
the device <devicename> is not an RC82xx disc, and
no slicelist can be produced for the file <filename>.
- ***slicelist param: <erroneous parameter> illegal
parameter error in the call of slicelist. The <er-
roneous parameter> is printed.

An error message does not cause the program to terminate, the
program continues with the next parameter in the list.

RETURN LETTER

Title: SLICELIST, Utility Program

RCSL No.: 31-D570

A/S Regnecentralen af 1979/RC Computer A/S maintains a continual effort to improve the quality and usefulness of its publications. To do this effectively we need user feedback, your critical evaluation of this manual.

Please comment on this manual's completeness, accuracy, organization, usability, and readability:

Do you find errors in this manual? If so, specify by page.

How can this manual be improved?

Other comments?

Name: _____ Title: _____

Company: _____

Address: _____

Date: _____

Thank you

..... Fold here

..... Do not tear - Fold here and staple

Affix
postage
here

IC **REGNECENTRALEN**
af 1979
Information Department
Lautrupbjerg 1
DK-2750 Ballerup
Denmark