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Title:

RC8000 Utility Program
Base

Keywords:

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Abstract:

This program changes the catalog base of the .job processes according to parameters in the call.

(14 printed pages)

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1. INTRODUCTION

The program changes the catalog base of the job process according to the parameters in the call.

The catalog, standard, user and max bases of the process may be listed on current output before as well as after the change of catalog base.

The catalog base may be changed to any interval which is contained in (or equal to) the max base and which also contains the std base, equals it or is contained in the std base.

2. CALL

$$\text{base (what)} \underset{0}{*} (\underset{0}{\langle \text{specifier} \rangle}) \underset{0}{^1} (\underset{0}{\langle \text{modifier} \rangle}) \underset{0}{^1} (\text{what}) \underset{0}{^1}$$
$$\langle \text{specifier} \rangle ::= \text{std} \mid \text{user} \mid \text{max} \mid \text{abs}$$
$$\langle \text{modifier} \rangle ::= \langle \text{modif1} \rangle (\underset{0}{\langle \text{modif2} \rangle}) \underset{0}{^1}$$
$$\langle \text{modif1} \rangle ::=$$
$$\langle \text{modif2} \rangle ::= \langle \text{integer} \rangle \mid \langle \text{int1} \rangle . \langle \text{int2} \rangle$$
$$\langle \text{int1} \rangle ::=$$
$$\langle \text{int2} \rangle ::= \langle \text{integer} \rangle$$

However, an empty modifier to the specifier 'abs', i.e. the call:

base abs

will not be accepted.

3. FUNCTION

If the parameter 'what' is met before a possible specifier/modifier, the current values of the catalog base, standard base, user base and max base of the job process are listed on current output.

The catalog base of the job process is changed to the interval specified. The interval is found as follows:

- 1) The specifier is determined:
no specifier : the lower limit of the current catalog base
std : the lower limit of the current standard base
user : the lower limit of the current user base
max : the lower limit of the current max base
abs : the integer zero
- 2) The new interval is derived from the specifier and a possible modifier:
no modifier : lower limit, upper limit of the specified base
<modif1> : specifier + <modif1>, specifier + <modif1>
<modif1> <modif2>: specifier + <modif1>, specifier + <modif2>

The parameter <int1>.<int2> is interpreted as <int1> shift 12 + <int2>

By specifying <int1> greater than 2047, a negative modifier may be specified.

This may also be done by specifying an integer greater than 8 388 607, e.g. the modifier -1000 is specified as 16 777 216 - 1000 = 16 776 216.

Notice that an empty specifier/modifier defines the current catalog base, i.e. no change.

If the parameter 'what' is met after a possible specifier/modifier, the values of the bases after the changes of catalog base are listed on current output.

3. STORAGE REQUIREMENTS

512 halfwords plus space for FP.

5. ERROR MESSAGES

*** base interval

The interval specified is not a legal catalog base for the job process. The catalog base remains unchanged.

*** base param

Parameter error in the call of the program. The catalog base remains unchanged.

6. EXAMPLES

6.1 base user

The call

base user

will change the catalog base to equal the user base.

6.2 base abs

The call

base abs 1532 1584

will change the catalog base to the interval 1532, 1584 provided it is a legal catalog base for the process.

6.3 base 1

The call

base 1

will change the catalog base to the interval lower catalog base + 1, lower catalog base + 1 provided it is a legal catalog base.

6.4 base what

The call

base what

will write

cat base	: 420 429
std base (login)	: 420 420
user base	: 420 429
max base (project)	: 400 499

provided the current bases have these values.

6.5 base what std 0 3 what

The call

base what std 0 3 what

will write

cat base : 420 429

std base (login) : 420 420

user base : 420 429

max base (project) : 400 499

cat base : 420 423

std base (login) : 420 420

user base : 420 429

max base (project) : 400 499

provided the bases of the process initially have the above values.

RETURN LETTER

Title: Base

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