Identification

Conversion of Multics user name to CTSS user name
find_12_dir
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Purpose

Find_12_dir is used to convert a Multics user name consisting
of a Multics person name and project name to the corresponding
6 character CTSS project name and 6 character CTSS person
name.

Usage

call find_12_dir (multics_user_name, prob, prog);

        dcl   multics_user_name char (*) varying,
              (prob, prog) char (6);

where multics_user_name is the multics pathname to be
converted, consisting of the Multics person name and project
name in the form ">user_dir_dir>multics_person_name.multics_
project_name", and prob and prog are the resulting 6 character
CTSS project and person names returned.

Multics_user_name may be passed as any length character
string varying or nonvarying but, if a legal Multics directory
name, it will always be 17 to 53 characters. Prob and
prog are returned as 6 character strings, padded with
blanks on the left if the CTSS names are less than 6 characters
long.

Implementation

The 3 parts of the multics_user_name ("user_dir_dir>",
multics_person_name, and multics_project_name) are separated.
The project_name and person_name portions to be converted
are looked up in the EPLBSA segment, user_name_table$project
and user_name_table$person, respectively. The corresponding .
CTSS names found are then padded on the left with blanks
and returned in prob and prog. If no entry is found in
user_name_table for the multics project or person name,
the CTSS project or person name returned is set to 6 blanks,
an error message given, and find_12_dir continues with
a normal return. Thus the calling program must check
for blank arguments returned if one wishes to find out
if the conversion was completely successful.

In converting the person_name, the general rule is to use, for the CTSS person name, the CTSS programmer number associated with the Multics person name. Suggested project name correspondences are:

CTSS	Multics
T0234	mac
T0269	btl
T0288	ge

The conversion table for the project and person names is described in the writeup on user_name_table.

Example:

```
call  find_12_dir(">user_dir_dir>cecil.mac", prob, prog);
```

would return "T0234" in prob and "6044" in prog.