Identification

Conversion of Multics user name to CTSS user name
find_12_dir
J. H. Cecil

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&gt;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&gt;", 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:

<table>
<thead>
<tr>
<th>CTSS</th>
<th>Multics</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0234</td>
<td>mac</td>
</tr>
<tr>
<td>T0269</td>
<td>bt1</td>
</tr>
<tr>
<td>T0288</td>
<td>ge</td>
</tr>
</tbody>
</table>

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.