Identification

Return Calling Directory Path Name
cdir
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Purpose

The function cdir returns the path name of the directory in which a segment (or its original) resides.

Usage

\[
calling\_dir = \text{cdir}(\text{callerptr}); \\
\text{dcl (cdir external entry, calling\_dir) char (511) varying, callerptr ptr;}
\]

Implementation

The cdir function uses two Segment Management Module primitives, get_orig_segno and get_path_name (section BD.3.02). Get_orig_segno checks to see if the segment callerptr is actually a copy of some other segment initiated for the same process; if so, it obtains the pointer to the original segment. Get_path_name gets the path name of the original segment (be it callerptr or that returned by get_orig_segno). cdir ignores the entry name and returns the path name of the directory.

If the segment callerptr is not initiated for the process then cdir returns a zero length character string.