

VSE LIBR Service

The interface between Com-plete and LIBRARIAN is performed by the module TLSRLIBR.

TLSRLIBR, which handles the LIBRARIAN interface for both VSAM and non-VSAM libraries, was implemented using IBM-documented macros to access and update requests.

Since the LIBRARIAN interface uses the FILE-NAME as a means to relate a library to a DLBL/EXTENT, it is necessary to build and keep a FILE TABLE to maintain the DLBL/EXTENT information about the libraries to be accessed when using the Com-plete utilities. The FILE TABLE is built with information from the LABEL AREA and information from UEDTB1 initially; it is then expanded when a Com-plete utility attempts to access a library that does not have information in the LABEL AREA or UEDTB1.

The program U2SPIT, which must be specified in the sysparms (STARTUPPGM=U2SPIT), allocates storage for the FILE TABLE based on the number specified in the sysparm MAXLIBS, and anchors the address of the table in a field within COMREG.

Note:

The specification of STARTUPPGM=U2SPIT is required for VSE.

U2SPIT will call U2SPLA to build the FILE TABLE at initialization of Com-plete. U2SPLA does the following:

- Processes the STANDARD LABEL AREA, searching for labels defined as SD (in the DLBL). Note that tape labels and VSAM labels are ignored.
- Determines if the selected file is a library using the LIBRARIAN macros.
- Builds one entry in the FILE TABLE for each library defined in the STANDARD LABEL AREA. This entry maintains the following information: FILE-ID, FILE-NAME, and VOLUME SERIAL NUMBER.
- Repeats the above process for the PARTITION STANDARD LABEL AREA and the PARTITION TEMPORARY LABEL AREA.
- Processes UEDTB1 and builds new entries for files that were not in any of the LABEL AREAs.

The program U2SPLA is called during Com-plete execution by utilities requiring that a FILE-NAME be related to both a FILE-ID and VOLUME SERIAL, which are specified by the user (via utilities such as USERV, UEDIT, and UED). If the FILE-ID is not in the FILE TABLE, U2SPLA will add a LABEL to the PARTITION TEMPORARY LABEL AREA and build a new entry in the FILE TABLE (after verifying that the FILE-ID specified belongs to a valid library).

Note:

In order to access VSAM libraries, it is necessary to have them defined by either UEDTB1 or function UL of UTIL.