

Migration

If you are upgrading from version 6.1 to version 6.2, then all you need to do is replace your APS and COM datasets with the new ones.

This chapter describes the steps required to migrate from Com-plete 5.1 to Version 6.2.

It is assumed that your current Com-plete version is 5.1.x.

This chapter covers the following topics:

- Changes to the Start-up Procedure
 - Changes to the SYSPARMs
 - COMSYS Data Containers
 - Reducing the Thread Region Size for most Com-plete Utilities
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Changes to the Start-up Procedure

Add the SMARTS Load Library

While previous versions of Com-plete used to come in one load library, Com-plete 6 is delivered as the application server SMARTS which can be shared with other Software-AG products, and a Com-plete-specific part. Add the application server load library `APSVrs.LDnn` to your `COMPLIB` library chain behind the Com-plete load library.

Remove the COMPINIT Load Library Chain

If you were using a separate `COMPINIT` chain, Software AG recommends that you remove it.

Remove COMSYS2

The Com-plete error message texts are now delivered in load module format; the VSAM file `COMSYS.MESSAGES` (DD name / DLBL name `COMSYS2`) is no longer used. Remove this statement from your JCL startup procedure, keeping `COMSYS1`, `COMSYS3`, and `COMSYS4` unchanged.

Log File APSLOG (MVS-like Systems Only)

This file is used by Com-plete to log all the messages that previously went to the system console, of course including those that still do go to the console. If you do not specify `APSLOG`, then Com-plete allocates it dynamically as

```
//APSLOG DD SYSOUT=X
```

Changes to the SYSPARMs

In the new application server architecture, Com-plete must be defined as a server running on SMARTS. Also, the operator communication runs as a separate server. Please add the following two lines to your SYSPARMs:

```
SERVER=( OPERATOR , TLINOPER )
SERVER=( COMPLETE , TLINCOMP )
```

It is now possible to wrap SYSPARM lines (after a comma within parentheses). This allows you to write complex parameter definitions like THREAD-GROUP in a more readable way, but it implies an enhanced syntax checking. As a consequence, parameter values containing special characters must now be enclosed in apostrophes. For example, RECALLCHAR== must be changed into RECALLCHAR='=', otherwise an error will be indicated.

COMSYS Data Containers

Software AG recommends that you backup your COMSYS files before running this upgrade program.

To upgrade your COMSYS Data Containers, run the BATCH program CSYSUPGR using sample job JCLINSTD. Note that there is no COM*vrs*.ALLMSGs file on the installation tape because the messages are now delivered in load module format. Message texts that you have translated into another language will be converted and migrated into COMSYS4 if you define your COMSYS.MESSAGES data set as COMSYS2 in the JCL of the upgrade job.

Reducing the Thread Region Size for most Com-plete Utilities

The following utilities have been modified to be able run above the 16MB line:

CSPOOL, UBATCH, UCMND, UCOPY, UCTRL, UDEF, UDISP, UDUMP, UEBCB, UFLEX, UGLIB, UHELP, UHELPM, ULIBID, ULOG, ULOGM, ULOW, UM, UMATH, UMSG, UNUMR, UPF, UPFKS, UPROF, UPWD, USCHC, USPOOL, USTACK, UTIBGR, UTMMSG, UTRAC1, UUP, UZAPS.

The COMSYS upgrade program CSYSUPGR changes the region size settings for these applications to 0 or 4K, so you must use thread extensions above the line (THSIZEABOVE=200 at least) in order to be able to run any of these applications. Software AG recommends that you adjust any existing user exits for these utilities so they can also run above the line. If this appears unfeasible, then use ULIB to increase the region size again for the utilities affected. It is planned to move all remaining Com-plete utilities above the line in one of the next releases, so it is a good idea to make plans for adjusting your user exits for those utilities also.

In case you cannot log on to Com-plete after the upgrade because of insoluble problems with your ULOG exit routine ULOGX1, then restore the ULIB entry for ULOG. Using BATCH utility TULIB is not an option in this case because it also involves ULOG, but you can use standard tools like IDCAMS:

```
REPRO INDATASET (comsys.catalog.backup) OUTDATASET(comsys.catalog) -
FROMKEY(X'002000E4D3D6C740404040') -
TOKEY(X'002000E4D3D6C740404040') -
REPLACE
```