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# Ask Phil



# Why does LIBCLNTS appear to be only x'1A000' in length?

A. This is due to a bug -

Bug: 6931586

Abstract: LIBCLNTS IS LOADED WITH A SECONDARY LOAD POINT

```
SETPROG LPA,ADD,MODNAME=(LIBCLNTS),DSNAME=SYS1.ORA.CMDLOAD
```

```
CSV551I 14.20.47 LPA ADD 953
```

```
SUCCESSFUL: 1 UNSUCCESSFUL: 0 NOT PROCESSED: 0
```

```
MODULE      RESULT
```

```
LIBCLNTS    SUCCESSFUL
```

```
D PROG,LPA,MODNAME=LIBCLNTS
```

```
CSV550I 14.23.17 LPA DISPLAY 192
```

FLAGS	MODULE	ENTRY PT	LOAD PT	LENGTH	DIAG
D P	LIBCLNTS	8AC0D000	0AC0D000	0001A000	020860A8
			092D6000	01848EC8	

Note: Affects 9.2.0.8 only

# Why does LIBCLNTS appear to be only x'1A000' in length?

## Explanation -

z/OS V1R8.0 MVS Program Management: User's Guide and Reference  
(SA22-7643-05) -

Multipart program objects: Under certain circumstances, the binder will create a program object with multiple segments. When loading this type of module, each segment has a different load point. The binder currently uses RMODE and time of load, initial or deferred, as the criteria for splitting a module into segments.

## Cause -

```
IEW2646W 5383 ESD RMODE(24) CONFLICTS WITH USER-SPECIFIED RMODE(ANY) FOR  
SECTION MICHIDE  
IEW2646W 5383 ESD RMODE(24) CONFLICTS WITH USER-SPECIFIED RMODE(ANY) FOR  
SECTION AMIIK.
```

# How do we upgrade from Oracle9i to Oracle 10g on the same LPAR?

## A. Upgrade information is available from the following sources -

B25398-01 - Oracle Database System Administration Guide, 10g Release 2 (10.2) for IBM z/OS (OS/390)

Chapter 7 - Migration and Upgrade Considerations

B14238-01 - Oracle Database Upgrade Guide, 10g Release 2 (10.2)

Note: 466181.1

Title: 10g Upgrade Companion

The Oracle Upgrade Companion helps you upgrade your Oracle Database from Oracle9i Release 2 to Oracle Database 10g Release 2 (10.2). The guide is not an automated tool but rather provides guidance for pre-upgrade, upgrade, and post-upgrade steps.

# What version of OSDI subsystem do I use during an upgrade?

## A. OSDI subsystem modules are downwards compatible

OSDI subsystem 1.2.0 is recommended. Using an old version can cause problems -

Bug: 6893970

Abstract: ORA-600 [KSPGSP2] FOLLOWED BY PMON ABEND S0C4 DURING DATABASE STARTUP

Bug: 6418680

Abstract: ORA-600 [KSPGSP2] AND ABEND S0C4 IN MIRRECVV DURING DATABASE STARTUP

SQL> Connected to an idle instance.

SQL> ORA-24324: service handle not initialized

ORA-24323: value not allowed

ORA-3135: connection lost contact

ORA-600: internal error code, arguments: [kspgsp2], [0x2965F748], [815], [instance\_name], [], [], []

ORA-600 [kspgsp2] is raised when an INITORA parameter has no value. The INSTANCE\_NAME parameter should default to the SID specified in the OSDI service definition. OSDI server region code is from 10.2.0.3, but the OSDI subsystem is back-level at 9.2.0.6. This level of subsystem code did not pass the SID correctly when the service is started.

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