DBUNLOCK

INTRINSIC NUMBER 410

Relinquishes the locks acquired by all previous calls to DBLOCK. Redundant calls are ignored. If the calling process has the same database opened multiple times, only those locks put into effect for the specified access path are unlocked.

If DBUNLOCK is called when a dynamic transaction is active and a modify intrinsic (DBPUT, DBDELETE, or DBUPDATE) has already been used in the dynamic transaction (that is, the database is modified), the DBUNLOCK fails. You must check the error condition. You may use DBERROR or DBEXPLAIN to display the error message. When a DBUNLOCK fails within the dynamic transaction, dynamic intrinsic rollback allows the following choices:

- Use DBXEND to end the dynamic transaction.
- Continue with the remainder of the dynamic transaction taking into account that DBUNLOCK failed and locks are still in place.
- Use DBXUNDO to rollback the entire dynamic transaction.

OPENTURBO vs TurboIMAGE Difference

100%

OPENTURBO Performance Enhancements

N/A.

OPENTURBO Additional Features

N/A.

Syntax

DBUNLOCK, base,dset,mode,status

Parameters

base is the name of the array used for the base parameter when opening the database. The first element of the array must contain the base ID returned by DBOPEN.

dset is currently unused. Use the Not_Used_Parm or DUMMY variable as recommended at the beginning of this chapter or any dset array used for other procedures.

mode must be an integer equal to 1.

status is the name of an array of 10 halfwords in which TurboIMAGE/XL returns status information about the procedure. If the procedure executes successfully, the status array contents are:

Element **Contents**

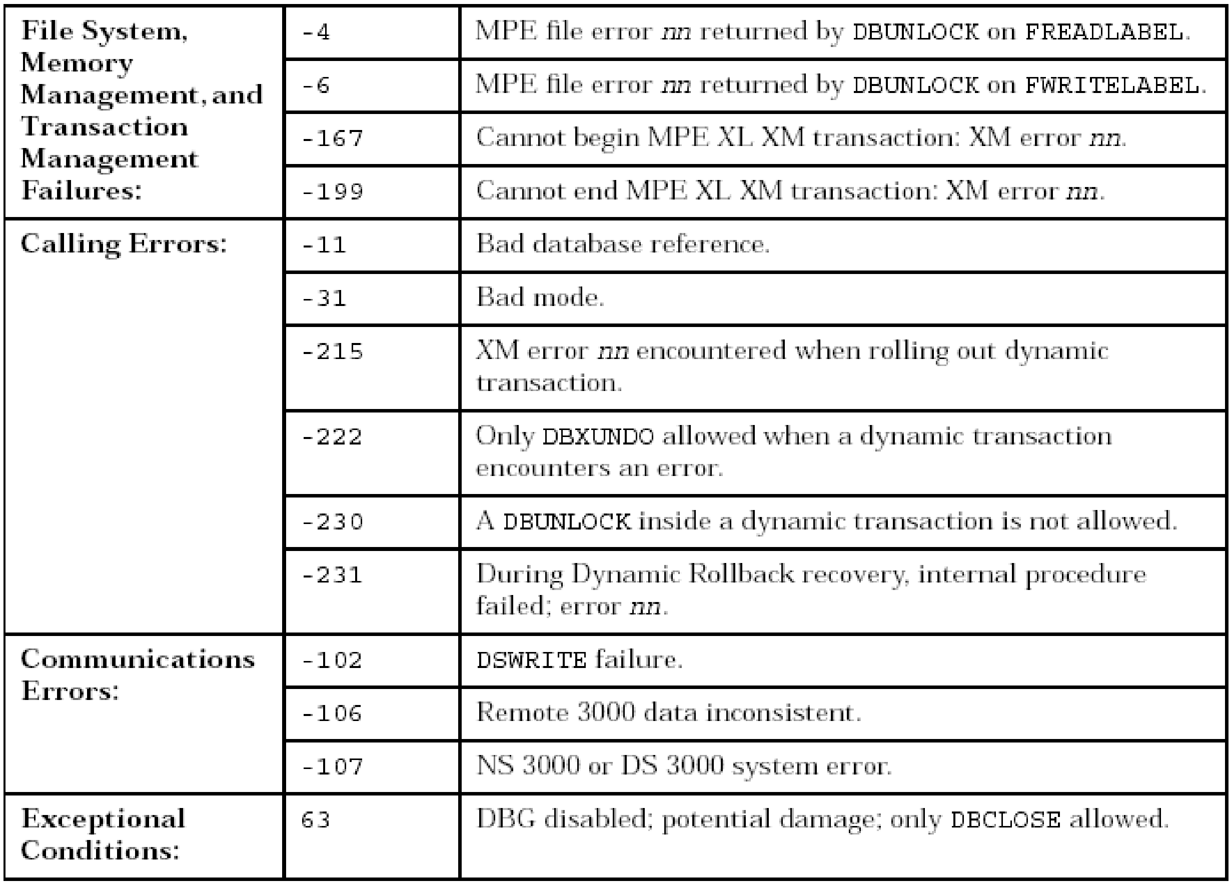
1 If the procedure succeeds, the return status is 0. Table s5-22. describes the contents of element 1 when the sprocedure does not succeed.

2 Number of lock descriptors released by this call. Each data set lock or database lock is counted as one descriptor.

3-4 Reserved for internal use.

5-10 Information about the procedure call and its results. Refer to “Library Procedure Error Messages” in appendix A for a description of this information.

Table 5-22. DBUNLOCK Return Status Values



File System, Memory Management, and Transaction Management Failures:	`-4`	MPE file error *nn* returned by `DBUNLOCK` on `FREADLABEL`.
	`-6`	MPE file error *nn* returned by `DBUNLOCK` on `FWRITELABEL`.
	`-167`	Cannot begin MPE XL XM transaction: XM error *nn*.
	`-199`	Cannot end MPE XL XM transaction: XM error *nn*.
Calling Errors:	`-11`	Bad database reference.
	`-31`	Bad mode.
	`-215`	XM error *nn* encountered when rolling out dynamic transaction.
	`-222`	Only `DBXUNDO` allowed when a dynamic transaction encounters an error.
	`-230`	A `DBUNLOCK` inside a dynamic transaction is not allowed.
	`-231`	During Dynamic Rollback recovery, internal procedure failed; error *nn*.
Communications Errors:	`-102`	`DSWRITE` failure.
	`-106`	Remote 3000 data inconsistent.
	`-107`	NS 3000 or DS 3000 system error.
Exceptional Conditions:	`63`	DBG disabled; potential damage; only `DBCLOSE` allowed.

Appendix A contains more information about these conditions.