

NAME

errors – Error codes returned by the Shore Storage Manager (SSM)

SYNOPSIS

```
#include <<sm_vas.h>> class ss_m derived from class smlevel_0
```

DESCRIPTION

Errors in the SSM are indicated by an unsigned integer wrapped in a mechanism that includes stack traces and other debugging aids. The mechanism is the class **w_rc_t** which is the return-type for most SSM methods.

The error codes return from SSM methods are:

eASSERT	- Assertion failed
eUSERABORT	- User initiated abort
eCRASH	- Server told to crash or shutdown immediately
eCOMM	- Error from shore communication facility
eNAMESERVER	- Error from shore name-server facility
eOUTOFSPACE	- out of disk space
eALIGNSIZE	- size is not aligned
eALIGNPARM	- parameter is not aligned
eBADSTID	- invalid store id
e1PAGESTORELIMIT	- 1-page store needs to grown beyond 1 page
eBADPID	- invalid page id
eBADVOL	- invalid volume id
eVOLTOLARGE	- volume is too large for device
eBADDEVNAME	- invalid device name
eDEVICEVOLFULL	- device cannot hold anymore volumes
eDEVNOTMOUNTED	- device is not mounted
eALREADYMOUNTED	- device already mounted
eVOLEXISTS	- volume already exists
eBADFORMAT	- volume has bad format
eNVOL	- too many volumes
eEOF	- end of scan/record reached
eDUPLICATE	- duplicate entries found
eBADSTORETYPE	- bad store type
eBADSTOREFLAGS	- bad store flags
eBADNDXTYPE	- bad index type
eBADSCAN	- bad scan
eWRONGKEYTYPE	- key type unsupported for current index
eBADSTRING	- bad string type
eNDXNOTEMPTY	- index is not empty
eNOTSORTED	- sort order expected
eBADKEYTYPESTR	- bad key type descriptor
eBADFLAG	- bad flag param
eBADCMPOP	- bad compare operators
eOUTOFLOGSPACE	- out of log space
ePAGENOTCACHED	- page is not cached
erecwontfit	- record will not fit
eBADSLOTNUMBER	- record ID slot number is bad
erecupdatesize	- record update request is too large
eBADSTART	- start parameter larger than record size
eBADAPPEND	- append size too large for the record
eBADLENGTH	- bad length parameter
eBADSAVEPOINT	- bad save point

eTOOMANYLOADONCEFILES - too many load-once files
 ePAGECHANGED - page has changed
 eTRANSFIXED - transaction is fixed by other thread(s)
 eTOOMANYTRANS - too many active transactions
 eTWOTHREAD - multiple threads not allowed for this operation
 eNOTRANS - no active transaction
 eTWOQUARK - second quark in a single transaction is not allowed
 eNOQUARK - no quark is open
 eNOABORT - logging is turned off -- cannot roll back
 eNOTPREPARED - transaction thread is not prepared -- cannot
 commit or abort
 eISPREPARED - transaction thread is prepared -- cannot do
 this operation
 eEXTERN2PCTHREAD - transaction is (already) participating in
 external 2-phase commit
 eNOTEXTERN2PC - transaction is not participating in
 external 2-phase commit
 eVOTENO - prepare resulted in vote to abort (abort done)
 eVOTEREADONLY - prepare resulted in vote readonly (comit done)
 eNOSUCHPTRANS - could not find a prepared transaction with
 given global transaction id
 eBADLOCKMODE - invalid lock mode
 eLOCKTIMEOUT - lock timeout
 eMAYBLOCK - lock req will block locally or may block remotely
 eDEADLOCK - deadlock detected
 eNOTLOCKED - lock not granted
 eBADCCLEVEL - unsupported concurrency control level

 eVOLIDALREADY - logical volume ID already set on volume
 eBADLOGICALID - logical ID does not exist
 eBADLOGICALIDTYPE - logical ID has different reference type
 eLOGICALIDOVERFLOW - logical ID counter overflow
 eNOLOGICALTEMPFILES - logical temp files are prohibited

 eCANTWHILEACTIVEXCTS - can't do to volume while there are active transactions

 eINTRANSIT - had to wait for pending remote read
 eNOTONREMOTEVOL - this volume operation disallowed on remote volume
 eNOHANDLE - Missing coordinator handle

VERSION

This manual page applies to Version 1.1 of the Shore software.

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SEE ALSO

error(fc), rc(fc), errors(sthread)