SOFTEK
Simplifying Storage Management

Softek™ Replicator

Messages Guide for AIX, HP-UX, Linux, and Solaris

Version 2.1

ML–145088–001

www.softek.com

Messages Guide
for AIX, HP-UX, Linux and Solaris
Version 2.1

Softek™ Replicator

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Simplifying Storage Management

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REVISION NOTICE
This is the first release of this manual. A complete revision history is provided at the end of the manual.

ABSTRACT
The Softek Replicator 2.1 Messages Guide for AIX, HP-UX, Linux and Solaris (ML-145088), contains information on how to respond to Softek Replicator messages on various platforms.

FOR FURTHER INFORMATION
If you wish to obtain further information about the Softek Technology Corporation product discussed in this publication, contact your Softek marketing representative, or write to Softek Technology Corporation, Marketing Communications, Mail Stop 215, P.O. Box 3470, Sunnyvale, CA 94088-3470.

TECHNICAL SUPPORT
To obtain technical support on the Softek Technology Corporation product discussed in this publication, please call 1-800-66SOFTEK.

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About This Guide

The *Softek Replicator 2.1 Messages Guide for AIX, HP-UX, Linux and Solaris* contains information on how to respond to Softek Replicator messages on AIX, HP-UX, Linux or Solaris platforms.

Softek Replicator is a software technology that allows remote mirroring of volume based data over a LAN or WAN to help you manage planned and unplanned events such as database migration, normal system maintenance, or disaster recovery.

Audience

This manual is intended for system administrators responsible for maintaining business-critical servers and their associated data. It assumes knowledge in the following areas:

- File systems and disks
- System startup files and directories
- Operating system processes
- Shell scripts
- Networks

Contents of this Manual

Chapter	Description
Chapter 1: Softek Replicator Messages	All Softek Replicator Messages. Use this guide as a quick reference for Softek Replicator messages and contents of the message log.

Contacting Technical Support

At Softek, we work hard to provide products and service that anticipate and solve our customers' increasingly complicated application management challenges. In addition, we try to provide clear and easy-to-use online and printed documentation to enable you to work independently in managing application recovery issues.

If you have a technical issue that you can't answer with the provided resources, please contact Softek Technical Support by Telephone or the Web.

▶ **On the Web:**

1. Visit http://www.softek.com/en/support/index.html for :
   - Severity 2, 3, or 4 problems and tracking status of calls
   - Problem ownership and management throughout resolution
   - Asking questions
   - Seeking product-specific information via FAQs, user libraries, patches, discussion forums, and to download documentation. License requests should come via your Account Executive.
   - Submit enhancements requests
   - Reviewing and updating your user contact and site location information.
2. Click the **Call Tracking Center** link.

NOTE You must have a User ID and Password to access the Softek Call Tracking and Problems Reporting database pages. To request access, go to the Call Tracking web page: http://www.softek.com/en/support/tracking/newaccount.html.

▶ **For severity 1 problems and around-the-clock mission-critical support:**

Contact Softek Technology Corporation using the following phone number:

- Softek Global Support Center (World-Wide) 800-66SOFTEK (763835)
  - From North America, please dial 1-800-667-6383.
  - From Europe, please dial 00800-66 763835 (country code is not required).
    - From Austria, please dial 0800 200 236, then enter 05, and then 8006676383.

During weekends and holidays, you will be asked if you require assistance before the next business day. If so, Softek will respond within stated response time commitments.

NOTE Other phone numbers may be used within European countries where local language capability exists. Contact your local Softek Sales Representative. Major issues can be addressed to Softek management by a request through the Alert Centers.

Notices

The following notices are used throughout this manual.

CAUTION:
Alerts readers to a situation that could damage the software or interrupt operations.

NOTE Gives readers additional significant information about the subject to increase their knowledge or to guide their actions.

TIP Helps users apply the techniques and procedures described in the text to their specific needs.

Related Publications

The following publications contain related information.

Title	Part Number
Softek Replicator 2.1 Installation Guide for AIX, HP-UX, Linux and Solaris	ML-145087
Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris	ML-145086
Softek Replicator 2.1 Administration and User Guide	ML-145090
Softek Replicator 2.1 Installation Guide for Windows	ML-145091

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Softek Replicator Messages

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Softek Replicator Messages

This chapter provides a description of Softek Replicator messages. These messages are listed alphabetically.

The product uses the standard UNIX syslog method of reporting warnings and errors. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for more information on setting tunable parameters that affect Softek Replicator error reporting.

All messages are recorded in `/var/opt/SFTKdtc/dtcerror.log` or `dtcerror.log.1`. The *dtcerror.log* file is the primary error log and can contain up to 128 KB of data. Once that limit is reached, Softek Replicator moves the existing data to dtcerror.log.1 and continues logging in *dtcerror.log*.

You can view these messages in the `dtcmonitortool`.

2MANY	Launch for logical group <*groupno*> dispatch retried too many times (5).

DESCRIPTION:

The most common cause for this error is a configuration file problem on either the primary or secondary system. It may also be caused by a hardware failure on the secondary system.

ACTION:

First verify the configuration files on both systems. Try to kill and launch the PMD. If the error occurs again, check the hardware on the secondary system.

ABEXIT	Received an abnormal exit from a logical group PMD.

DESCRIPTION:

A child PMD process terminated for unknown reasons.

ACTION:

Contact Technical Support.

ACCEPT	RMD server socket failed <*portno*> during accept of new connection.

DESCRIPTION:

This error indicates a problem during the initial handshake between the primary and secondary systems.

ACTION:

If this happens repeatedly, contact Technical Support.

ACCPTCONN	Master daemons in.*dtc* failed during acceptance of a new connection on domain socket: <*syserrormsg*>.

DESCRIPTION:

This error indicates a problem with the configuration file or a network failure.

ACTION:

Make sure your network is functioning properly and check your configuration file.

ACKCMD	Received bad ACK command from RMD for group *<groupno>*.

DESCRIPTION

This error indicates corruption of the network bit stream.

ACTION

No action is required. The error corrects itself.

ACKMAGIC	Wrong reading of ACK magic value for group *<groupno>*.

DESCRIPTION:

This error is the result of corruption of the network bit stream.

ACTION:

No action is required. The error corrects itself.

BABOFLOW	BAB exhausted during normal operation *<processname>*.

DESCRIPTION:

This message indicates a BAB overflow.

ACTION:

Use the Configuration Tool to reconfigure the BABSIZE parameter or other system parameters so they are consistant with your system usage.

BADAUTH	RMD received bad authentication or config path for group *<groupno>*.

DESCRIPTION:

This message indicates a discrepancy between the primary and secondary system configuration files.

ACTION:

Check the files on both systems. Recopy the files from the primary to secondary system.

BADCMD	Received bad command: errno = <*errorno*> devid = <*deviceid*> cmd = <*command*>.

DESCRIPTION:

Softek Replicator generated the error, device ID, and command indicated in the message.

ACTION:

Contact Technical Support.

BADDEVID	RMD received write command with bad device ID <*deviceid*> for group <*groupno*>.

DESCRIPTION:

The RMD on the secondary system received a "write" command that contained a bad device ID.

ACTION:

Contact Technical Support.

BADHDR	<*processname*> Found bad BAB entry header for device <*deviceid*>.

DESCRIPTION:

Softek Replicator found a bad BAB entry header for the indicated device.

ACTION:

Contact Technical Support.

BADHOSTNAM	Configuration file <*filepath* / *lineno*> network hostname <*hostname*> cannot be resolved.

DESCRIPTION:

There is either a network or configuration file problem.

ACTION:

Resolve the inconsistency between the network configuration and Softek Replicator configuration.

BADIPADDR	Configuration file <*filepath* / *lineno*> hostname = <*hostname*> IP =<*ipaddr*>: IP address doesn't resolve.

DESCRIPTION:

There is either a network or configuration file problem.

ACTION:

Resolve the inconsistency between the network configuration and Softek Replicator configuration.

BADKEY	Key '<*keyname*>' is invalid in <*filepath*>.

DESCRIPTION:

There is a syntax error in the parameter indicated in <*keyname*> in the configuration file.

ACTION:

Correct the configuration file. Remember to copy the updated configuration file to the secondary system.

BADMODE	PMD/Driver mode conflict: Driver <*drivermode*> Target PMD mode<*pmdmode*>. Use dtcoverride.

DESCRIPTION:

There is a conflict in definitions for operating modes (for example, Normal or Refresh) between the PMD and the dtc driver.

ACTION:

type the `dtcoverride` command on the primary system to force Softek Replicator to move into a particular operating mode. Use this command with caution, as it may cause a loss of synchronization between the primary and secondary systems. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for details.

BADNAMIP	Configuration file <*filepath* / *lineno*> hostname = <*hostname*> IP = <*ipaddr*>: host does not match given IP address.

DESCRIPTION:

Softek Replicator could not resolve the indicated hostname and/or IP address.

ACTION:

Correct the configuration file so that the host name matches the given IP address. Remember to copy the updated file to the secondary system.

BADOFF	RMD bad offset error *errorno* group <*filepath*> file <*deviceid*> pos <*offsetvalue*>.

DESCRIPTION:

The RMD received a request to write outside the range of the mirror device.

ACTION:

Contact Technical Support.

BADPROTO	Received a message in violation of the network protocol.

DESCRIPTION:

There is a network problem. Communication between the PMD and RMD could not take place.

ACTION:

Contact Technical Support.

BADTUNABLE	<*keyname*> is not a valid tunable parameter name.

DESCRIPTION:

An invalid tunable parameter name was specified in the configuration file.

ACTION:

Check the configuration file and specify a valid tunable parameter name.

BFDAGAIN	Backfresh daemon <*processname*> already running. Use killbackfresh first.

DESCRIPTION:

A backfresh command was issued while another backfresh operation was already running.

ACTION:

Turn checkpoint off with the `dtccheckpoint <group#> -off` command, allow the journal entries on the secondary system to be applied to the mirror device and then type another `backfresh`. Or, if a checkpoint script is running, simply wait until it completes.

BFDCPOFF	Cannot transition from Checkpoint mode during a Backfresh operation <*processname*>.

DESCRIPTION:

Softek Replicator was in checkpoint mode and attempted to transition back to normal mode when a `backfresh` command was issued.

ACTION:

Wait until Softek Replicator transitions out of checkpoint mode before issuing another `backfresh`.

BFDCPON	Cannot transition to Checkpoint mode during a Backfresh operation <*processname*>.

DESCRIPTION:

Softek Replicator attempted to transition to checkpoint mode while a `backfresh` command was running.

ACTION:

Wait until `backfresh` finishes running before doing the checkpoint operation. Or, enter a `killbackfresh` command and then run the checkpoint script.

BFDDEV	BFD (Backfresh Daemon) <*filepath*> could not lock device <*deviceid*> for EXCL use: device mounted as <*mountpoint*>.

DESCRIPTION:

Softek Replicator could not perform a `backfresh` operation on a mounted device.

ACTION:

Unmount it and restart the `backfresh` command.

BFDEND	Backfresh operation completed for group <*processname*>.

DESCRIPTION:

Softek Replicator finished running a `backfresh` command for the logical group indicated.

ACTION:

This is informational only — no action required.

BFDRFD	Backfresh operation cannot be started. Logical group <*groupno*> is in refresh mode.

DESCRIPTION:

Softek Replicator cannot run `backfresh` command for the logical group indicated because the group is in refresh mode.

ACTION:

This is informational only — no action required.

BFDSTART	Backfresh operation started <*processname*>.

DESCRIPTION:

Softek Replicator has started a `backfresh` command for the logical group indicated.

ACTION:

This is informational only — no action required.

BFDTERM	Backfresh operation terminated <*processname*>.

DESCRIPTION:

Softek Replicator finished running a `backfresh` command for the logical group indicated.

ACTION:

This is informational only — no action required.

BINDERR	Could not bind RMD socket.

DESCRIPTION:

There is a network configuration problem.

ACTION:

Make sure your network and Softek Replicator are configured properly. If necessary, contact Technical Support.

BLKGET	PMD unable to get data from driver for device <*deviceid*>, reason code <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not read the data from the device for the reason indicated in the system error message.

ACTION:

Contact Technical Support.

CFGBDKEY	Configuration file <*filepath*> line <*lineno*> has an unrecognized keyword <*keyword*>.

DESCRIPTION:

An invalid parameter name (*keyword*) was used in the configuration file.

ACTION:

Replace the invalid *keyword* with a valid one in the configuration file. Remember to copy the updated file to the secondary system.

CFGERR	Configuration file <*filepath*> error at or before line <*lineno*>.

DESCRIPTION:

There is a problem with a specific line in the configuration file.

ACTION:

Verify and fix the information in the configuration file. Remember to copy the updated file to the secondary system.

CFGFILE	Unable to read config file <*filepath*>.

DESCRIPTION:

The configuration file has the wrong permissions, or the maximum number of allowed open file descriptors is exhausted.

ACTION:

Verify that the configuration file has read permission.

CFGPROB	RMD encountered a configuration files problem at startup.

DESCRIPTION:

This message indicates a problem occurred during the handshake between the primary and secondary systems. There may be a discrepancy between the configuration files on the primary and secondary systems.

ACTION:

Verify the configuration files and recopy the file from the primary system to the secondary one, if necessary.

CFGPS	<*processname*> Unable to retrieve pstore location from configuration file <*filepath*>.

DESCRIPTION:

The configuration file contains an invalid pstore specification.

ACTION:

Correct the Softek Replicator configuration file.

CHKSUM	Failed computing device <*deviceid*> checksum.

DESCRIPTION:

A checksum operation failed on the indicated device. Checksum is used during a checksum refresh to compare all blocks on the primary system against those on the secondary one to identify deltas. Only those blocks that have been modified on the primary are sent to the secondary system.

ACTION:

Contact Technical Support.

CHKSUMDIFF	<*processname*> Error while diffing local/remote checksums.

DESCRIPTION:

A checksum operation failed. Checksum is used during a checksum refresh to compare all blocks on the primary system against those on the secondary one to identify deltas. Only those blocks that have been modified on the primary are sent to the secondary system.

ACTION:

Contact Technical Support.

CHUNKDELAY	CHUNKDELAY parameter outside of range: <*parmvalue*> (Max: <*value*> Min: <*value*>).

DESCRIPTION:

The CHUNKDELAY tunable parameter was specified incorrectly.

ACTION:

Use the Configuration Tool to reset CHUNKDELAY to a value within the minimum and maximum value. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on specifying this parameter.

CHUNKSZ	CHUNKSIZE parameter outside of range: <*parmvalue*> (Max:<*value*> Min: <*value*>).

DESCRIPTION:

The CHUNKSIZE tunable parameter was specified incorrectly.

ACTION:

Use the Configuration Tool to reset CHUNKSIZE to a value within the minimum and maximum value. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on specifying this parameter.

CTLDDOWN	CTLD:Daemon not running at startup.

DESCRIPTION:

A Softek Replicator control daemon does not run as expected when the product is started.

ACTION:

Contact Technical Support.

CTLDDOWN1	CTLD:Daemon not running at startup, logical groups not started.

DESCRIPTION:

A Softek Replicator control daemon does not run as expected when the product is started.

ACTION:

Contact Technical Support.

COMPRESSVAL	COMPRESSION parameter value must be "off" or "on".

DESCRIPTION:

The COMPRESSION parameter was specified incorrectly.

ACTION:

Set the COMPRESSION parameter to either 0 (off) or 1 (on). See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on specifying this parameter.

CONERR	Could not connect socket to RMD host <*syserrormsg*>.

DESCRIPTION:

An incorrect port number may have been specified in the configuration file. Or, there is a network configuration or hardware error.

ACTION:

Verify that the port number is available and reconfigure it if necessary. Refer to the system error message for possible actions. Contact Technical Support.

CPEXEC	<*processname*> received non-zero return from <*pathname*>.

DESCRIPTION:

Softek Replicator received a bad return code from a checkpoint operation. Your checkpoint script may contain errors.

ACTION:

Verify your checkpoint script for errors. If necessary, contact Technical Support.

CPOFF	Logical group <*groupno*> successfully transitioned out of checkpoint mode.

DESCRIPTION:

The indicated logical group switched out of checkpoint mode successfully.

ACTION:

This is informational only — no action required.

CPOFFAGAIN	Logical group <*groupno*> is NOT in checkpoint mode.

DESCRIPTION:

The logical group indicated has not been placed in checkpoint mode as expected.

ACTION:

Check your checkpoint script code. Checkpoint scripts are located in `/etc/opt/SFTKdtc/cp_pre_on|off_p###sh` on the primary system or `/etc/opt/SFTKdtc/cp_pre_on|off_s###sh` on the secondary one. Contact Technical Support if the problem persists.

CPON	Logical group <*groupno*> is in checkpoint mode.

DESCRIPTION:

The indicated logical group has been placed in checkpoint mode as expected.

ACTION:

This is informational only — no action required.

CPOFFERR	Logical group <*groupno*> DID NOT transition out of checkpoint mode due to error(s).

DESCRIPTION:

The logical group indicated that is in checkpoint mode has not switched out of checkpoint because of errors.

ACTION:

Examine your checkpoint script for possible errors. Verify your checkpoint script code. Checkpoint scripts are located in `/etc/opt/SFTKdtc/cp_pre_on|off_p###sh` on the primary system or `/etc/opt/SFTKdtc/cp_pre_on|off_s###sh` on the secondary one. Call Technical Support if necessary.

CPONERR	Logical group <*groupno*> DID NOT transition to checkpoint mode due to error(s).

DESCRIPTION:

The indicated logical group has not switched to checkpoint because of errors.

ACTION:

Examine your checkpoint script for possible errors. Check your checkpoint script code. Checkpoint scripts are located in `/etc/opt/SFTKdtc/cp_pre_on|off_p###sh` on the primary system or `/etc/opt/SFTKdtc/cp_pre_on|off_s###sh` on the secondary one. Call Technical Support if necessary.

CPONAGAIN	Logical group <*groupno*> is already in checkpoint mode.

DESCRIPTION:

The logical group indicated was already in checkpoint mode when another checkpoint operation was run.

ACTION:

This is informational only — no action required.

CPSTARTAGAIN	Logical group <*groupno*> is currently transitioning to checkpoint mode.

DESCRIPTION:

The logical group indicated is switching to checkpoint mode.

ACTION:

This is informational only — no action required.

CPSTOPAGAIN	Logical group <*groupno*> is currently transitioning from checkpoint mode.

DESCRIPTION:

The logical group indicated is switching out of checkpoint mode.

ACTION:

This is informational only — no action required.

CTLOPEN	<*processname*> Unable to open control group device <*syserrormsg*>: <*deviceid*>.

DESCRIPTION:

There is a configuration, operating system, or hardware error.

ACTION:

Refer to the systerm error message for possible actions.

DEVID	Bad device id.

DESCRIPTION:

The dtc device identification in the configuration file is missing or unreadable.

ACTION:

Correct or add the device path in the configuration file. Remember to copy the updated file to the secondary system.

DEVIDERR	Received bad devid <*deviceid*> for <*filepath*> during handshake.

DESCRIPTION:

The dtc device specification indicated is missing or not correct in the configuration file.

ACTION:

Correct the device path in the configuration file.

DEVMISS	Profile in config file <*filepath*> prior to line <*lineno*> missing data device specification.

DESCRIPTION:

The dtc device profile in the configuration file is missing or unreadable.

ACTION:

Correct or add the device path in the configuration file.

DEVOPEN	Could not stop group <*groupno*>: Device(s) busy.

DESCRIPTION:

Softek Replicator could not stop the logical group indicated as requested. The device has a filesystem mounted on it or is busy.

ACTION:

Unmount the filesystem from the device.

DRVDELDEV	Driver failed to delete device <*deviceid*> from group <*groupno*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not delete the device from the logical group as requested. The device may be busy.

ACTION:

Make sure the device is not busy and then attempt to delete the device from the logical group again.

DRVDELGRP	Driver failed to delete group <*groupno*>.

DESCRIPTION:

Softek Replicator could not delete the logical group as requested. The group may be in use.

ACTION:

Make sure the logical group is stopped. Unmount the dtc device within the logical group and then attempt to delete it again.

ERRMIS	Told RMD of error, but could not get error message for group <*groupno*>.

DESCRIPTION:

The PMD received an error message from the RMD, but the network connection was lost before the error message could be read.

ACTION:

Self-correcting when the netword connection is reestablished.

EXEC	Failed to exec a subprocess <*processname*>:<*syserrormsg*>.

DESCRIPTION:

This error indicates a pathname or permission problem.

ACTION:

Check the pathname in the configuration file and file permissions.

FILE	Failed opening file <*filepath*>: <*syserrormsg*>.

DESCRIPTION:

This error indicates a pathname or permission problem.

ACTION:

Check the pathname in the configuration file and file permissions.

FLUSHBAB	Failed flushing entries from the BAB: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not send entries from the BAB on the primary system to the secondary system. This error indicates a possible network failure.

ACTION:

Refer to the systerm error message for possible actions.

FLUSHNET	Failed flushing data from network.

DESCRIPTION:

This error indicates a possible network failure.

ACTION:

Check your network configuration for errors.

FORK	Received error on a fork, exiting.

DESCRIPTION:

A fork of a child PMD process failed because of a lack of system resources.

ACTION:

Allocate additional process resources. If necessary, contact Technical Support.

HDRMAGIC	RMD received bad magic value in message header for group <*groupno*>.

DESCRIPTION:

There is a network problem.

ACTION:

No action required. This is a self-correcting condition.

HOSTLKUP	Could not ascertain IP address for RMD host: <*hostname*>.

DESCRIPTION:

The name of the secondary system could not be ascertained because of an error with the hostname or the domain path in the configuration file, or DNS name resolution is not working.

ACTION:

First verify the information in the configuration file and then verify that the network connection to the DNS host is active.

IOCTLERR	ioctl <*iocontrolnumber*> error: <*syserrormsg*>.

DESCRIPTION:

There was an I/O control error.

ACTION:

Refer to the systerm error message for possible actions. If necessary, contact Technical Support.

IPCWERR	<*processname*> failed writing to IPC channel <*filedescriptor*>: <*syserrormsg*>.

DESCRIPTION:

Processes such as in.dtc (the Softek Replicator master daemon) or the PMD are not running properly, or there is a network problem.

ACTION:

Check that all appropriate daemons are running. Check to make sure your network is up and running.

JRNACCESS	Can't access secondary journal area <*filepath*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not access the journal file area on the secondary system.

ACTION:

Check permissions on the journal file area.

JRNHEADER	Secondary journal <*filepath*> contains bad header.

DESCRIPTION:

This error indicates a reading error on the journal file header of the secondary system.

ACTION:

Make sure that the configuration file actually specifies a journal file.

JRNMAGIC	Secondary journal <*filepath*> contains bad magic value header.

DESCRIPTION:

The journal file has been corrupted.

ACTION:

Create a new journal file and update the path to it in the configuration file. Remember to copy the updated configuration file to the secondary system.

JRNMISS	Config file <*filepath*> near line <*lineno*> does not contain a secondary journal entry.

DESCRIPTION:

The indicated configuration file does not contain the expected journal file entry.

ACTION:

Check the configuration file on both primary and secondary systems and ensure that it contains a reference to a journal file.

JRNOPEN	Unable to open secondary journal <*filepath*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator is unable to open the indicated journal file.

ACTION:

Ensure that the journal file exists and has the correct permissions.

JRNPATH	Unable to locate secondary journal path <*filepath*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator is unable to open the indicated journal file.

ACTION:

Open the configuration file on both primary and secondary systems and ensure that it contains a valid path to a journal file.

JRNSPACE	RMD <*processname*> out of space for secondary journal <*filepath*>.

DESCRIPTION:

The indicated journal file has run out of disk space on the secondary system.This error may have occurred because too much data was being mirrored during a checkpoint operation.

ACTION:

Increase the amount of disk space available to the journal file area on the secondary system. To resize a journal file directory, take the following steps:

1. From the primary system, type `killpmds` and then `killdtcmaster`.
2. On the secondary system, type `killdtcmaster`.
3. Remove the journal file(s); for example:

   ```
   rm /journals/j001.002.c
   ```

4. Mount a larger journal file directory.
5. From the primary system, type `launchpmds`.
6. From the primary and secondary, type `launchdtcmaster`.

Softek Replicator automatically launches a smart refresh to synchronize the primary and secondary systems, applies to the mirror device the new journal file updates journaled during the smart refresh, and then transitions to normal mode.

LGDOPEN	Unable to open logical group device <*deviceid*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator cannot open the indicated logical group device.

ACTION:

Check your configuration files to ensure that they contain a valid device specification for the logical group. If your configuration files are correct, call Technical Support.

LICFILFMT	License file (`/etc/opt/SFTKdtc/DTC.lic`) incorrectly formatted.

DESCRIPTION:

The *DTC.lic* file contains the license key. The key was not entered in a valid format.

ACTION:

Edit the *DTC.lic* file to include a valid license key. Refer to the *Softek Replicator* Version 2.1 *Installation Guide for AIX, HP-UX, Linux and Solaris* (ML-145087) for more information on specifying your Softek Replicator license key.

LICFILE	License file (`/etc/opt/SFTKdtc/DTC.lic`) empty or non-existent.

DESCRIPTION:

This message indicates a general I/O error while reading the Softek Replicator license file. The subdirectory may have incorrect permissions set on it.

ACTION:

Contact Technical Support.

LICFILMIS	License file missing (`/etc/opt/SFTKdtc/DTC.lic`) or cannot be opened.

DESCRIPTION:

The *DTC.lic* file does not exist or the permissions are incorrect.

ACTION:

Be sure the file exists and confirm that it has reading permissions.

LICGENERR	Malformed DTC License key in `/etc/opt/SFTKdtc/DTC.lic`. May be a typing error.

DESCRIPTION:

There is a problem with the license key.

ACTION:

Check the *DTC.lic* file. Refer to the *Softek Replicator Version 2.1 Installation Guide for AIX, HP-UX, Linux and Solaris* for more information on specifying your Softek Replicator license key. Contact Technical Support.

LISTEN	Configuring RMD socket to listen to connections failed.

DESCRIPTION:

This error indicates a network problem on the secondary system.

ACTION:

Check your network configuration. If necessary, contact Technical Support.

LOCDK	Local data device <*deviceid*> open/ioctl failure for config <*filepath*>: <*syserrormsg*>.

DESCRIPTION:

This error indicates one of the following:

- the device does not exist
- the wrong type of device has been specified (for example, CD-ROM or tape)
- I/O control failure due to device failure or unknown reasons.

ACTION:

Contact Technical Support and report the *syserrormsg*.

MALLOC	Failed to allocate *value* bytes of memory.

DESCRIPTION:

The system's virtual memory is exhausted. This is a general memory allocation error.

ACTION:

Reduce the value on the CHUNKSIZE tunable parameter and check quotas for runaway processes. Contact Technical Support if necessary.

MIGRATE	Driver migrate failure for device <*deviceid*>: <*syserrormsg*>.

DESCRIPTION:

No specific diagnostics.

ACTION:

Contact Technical Support.

MIR2SMAL	Config <*filepath*> primary system's local data disk <*deviceid*> larger than secondary system's disk <deviceid>.

DESCRIPTION:

The mirror device on the secondary system is smaller than the local data device.

ACTION:

Reconfigure the mirror device to be at least as large as the local data device.

MIRDISABLE	Mirroring has been disabled by file <*filename*> being present.

DESCRIPTION:

The `dtcrmdreco` command placed a `p00#.off` file in the `/etc/opt` directory that prohibits mirroring to the secondary mirror devices.

ACTION:

Type the `dtcrmdreco -d` command to delete this file.

MIROPEN	RMD secondary mirror device open failure [config <*filepath*> / line <*lineno*> -> <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not open device because the device:

- does not exist;
- is opened exclusively by another process.

ACTION:

Check that the device exists and is specified in the configuration file. Make sure no other application has a lock on it.

MIRMISMTCH	Mirror device configuration mismatch between primary and secondary in <*filepath*>.

DESCRIPTION:

The configuration file indicated has changed. The secondary device specification in the configuration files on the primary and secondary systems do not match.

ACTION:

Restore the configuration file so that the mirror device specification in the primary and secondary configuration files match.

MIRMISS	Profile in config file <*filepath*> prior to line <*lineno*> missing mirror device specification.

DESCRIPTION:

There is no secondary device specification in the configuration file, so Softek Replicator cannot replicate data.

ACTION:

Use the Configuration Tool to include a secondary device specification in the configuration file. Remember to copy the updated file to the secondary system.

MIROFFLINE	<*processname*> Mirrors must be online for <*mode*>. Operation aborted.

DESCRIPTION:

The secondary system must be up and running for Softek Replicator to replicate data.

ACTION:

Bring the secondary system online and retry the operation.

MIRSIZ	Secondary mirror device <*deviceid*> open/ioctl failure <*errorno*> for config <*filepath*>.

DESCRIPTION:

Softek Replicator failed to open the secondary device specified in the configuration file.

ACTION:

Contact Technical Support.

MIRSTAT	Secondary mirror device <*deviceid*> stat failure:<*syserrormsg*>.

DESCRIPTION:

This message indicates a possible error in the secondary device definition in the configuration file. Or, the mirror device on the secondary may have failed.

ACTION:

Make sure the secondary device is specified correctly in the configuration file. Check the health of the mirror device and the secondary system.

MIRTYPERR	RMD secondary mirror device <*deviceid*> defined in <*filepath*> is not a character special device.

DESCRIPTION:

The mirror device name specified in the configuration file is not a raw block device.

ACTION:

Change the device name from `/dev/dsk/c#t#d#s#` to `/dev/rdsk/c#t#d#s#`.

NETBROKE	Daemon <*daemonname*> lost connection to <*hostname*>.

DESCRIPTION:

The network connection to the indicated host system was lost.

ACTION:

No action required — self-correcting when the network connection is re-established.

NETMAXERR	NETMAXKBPS parameter outside of range: <*parmvalue*> (Max: <*value*> Min: <*value*>).

DESCRIPTION:

The value specified for the NETMAXKBPS tunable parameter is invalid.

ACTION:

Re-specify the NETMAXKBPS parameter in the configuration file. This parameter is usually included as part of a throttle. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on specifying this parameter.

NETPROB	RMD encountered a network initialization problem at startup.

DESCRIPTION:

There is a possible network problem.

ACTION:

Check the network. If problem persists, contact Technical Support.

NETTIMEO	Timeout on network connection <*hostname*> <-> <*hostname*>. Retrying.

DESCRIPTION:

There is a possible network problem.

ACTION:

Check the network.

NOCONFIG	Could not find config files for target logical group(s).

DESCRIPTION:

Softek Replicator could not find the configuration files for the logical group.

ACTION:

Ensure that the configuration files exist on the primary or secondary systems.

NOGROUP	Target groups not started. Use dtcstart.

DESCRIPTION:

This message is informational. The intended logical group was not started.

ACTION:

Use the `dtcstart <group #>` command to start the logical group.

NOMASTER	<*processname*> could not contact Master daemon (in.dtc). Master daemon probably not running.

DESCRIPTION:

The PMD appears not to be running. It must be running for Softek Replicator to function properly.

ACTION:

Use the `launchpmds` command to start the PMD.

NOPMD	Found config file: <*filepath*> but <*processname*> not running.

DESCRIPTION:

Softek Replicator can locate the correct configuration file, but the PMD appears not to be running. It must be running for Softek Replicator to function properly.

ACTION:

Use the `launchpmds` command to start the PMD.

NORMD	Found config file: <*filepath*> but <*processname*> not running.

DESCRIPTION:

Checkpoint is on the secondary system, but the RMD appears not to be running.

ACTION:

Use the `launchpmds` command from the primary system to start the PMD and RMD.

NORESP	Master daemon (in.dtc) is not responding.

DESCRIPTION:

Communication with the Softek Replicator master daemon (*in.dtc*) has failed for an unknown reason.

ACTION:

Contact Technical Support.

NOTROOT	You must be root to run this process...aborted.

DESCRIPTION:

The user has attempted to perform an operation that requires root user privileges.

ACTION:

Obtain root user privileges and retry the operation.

OPEN	Could not open device <*deviceid*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator could not open the device.

ACTION:

Use the system error text to help you determine actions.

PASSTHRU	Driver is in PASSTHRU mode for group <*groupno*>. PMD exiting.

DESCRIPTION:

The indicated logical group is now in PASSTHRU mode. Softek Replicator is only writing updates to the local data device, and not mirroring to the mirror data device.

ACTION:

This message is informational only — no action required.

PIPE	Failed creating a pipe: <*syserrormsg*>.

DESCRIPTION:

There is a network or filesystem problem.

ACTION:

Refer to the system error message for possible actions.

PMDAGAIN	PMD <*processname*> already running. Use killpmds first.

DESCRIPTION:

The PMD was already running when a `launchpmds` command was run.

ACTION:

Type the `killpmds` command and then re-type the `launchpmds` command.

PMDBIND	Failed binding PMD domain socket: <*syserrormsg*>.

DESCRIPTION:

This error indicates a configuration file problem or network failure.

ACTION:

Refer to the system error message for possible actions.

PMDEXIT	Softek Replicator Primary Mirror Daemon (PMD) exited <*syserrormsg*>.

DESCRIPTION:

The PMD terminated normally.

ACTION:

No action required.

PMDFAIL	Failed creating PMD domain socket: <*syserrormsg*>.

DESCRIPTION:

This error indicates a configuration file problem or network failure.

ACTION:

Refer to the system error message for possible actions.

PMDLISTEN	Configure PMD domain socket to listen to new connections failed: <*syserrormsg*>.

DESCRIPTION:

This error indicates a configuration file problem or network failure.

ACTION:

Refer to the system error message for possible actions.

PMDSTART	PMD (Primary Mirror Daemon) started <*processname*>.

DESCRIPTION:

The PMD has been started successfully.

ACTION:

This message is informational only — no action is required.

PSADDGRP	Failed to add group <*groupno*> to pstore <*filepath*>.

DESCRIPTION:

Softek Replicator attempted to add the logical group to the pstore and failed.

ACTION:

Contact Technical Support.

PSBADSTATE	PMD cannot make requested state transition from state <*state*>.

DESCRIPTION:

Softek Replicator could not transition to the new operating state from the state indicated (for example, from TRACKING mode to NORMAL mode).

ACTION:

If necessary, use the `dtcoverride` command to force Softek Replicator into the desired operating mode. Use this command carefully, as it may cause your systems to be out of synchronization.

PSCREAT_SUCCESS	Initialized pstore <*filepath*> for group <*groupno*>. This pstore can support up to a maximum of <*number*> devices.

DESCRIPTION:

Softek Replicator initialized the pstore for the logical group.

ACTION:

This message is informational only — no action is required.

PSCREATE	Failed to create pstore <*filepath*> <*syserrormsg*>.

DESCRIPTION:

Softek Replicator failed to initialize the pstore.

ACTION:

Ensure that the pstore specification is valid in the configuration file and retry the operation. If this does not help, contact Technical Support.

PSERROR	Pstore error: <*group name*>.

DESCRIPTION:

There is a problem with the indicated pstore.

ACTION:

Use the configuration tool to make sure you have configured the pstore correctly. Contact Technical Support.

PSGNOTFOUND	Group <*groupno*> not found in pstore. Has it been started ?

DESCRIPTION:

Softek Replicator could not find the logical group in the pstore. The logical group may not have been started.

ACTION:

Contact Technical Support.

PSOPEN	Failed to open pstore:<*pstorename*>.

DESCRIPTION:

Softek Replicator could not open the pstore.

ACTION:

Use the configuration tool to make sure you have configured your pstore correctly. If necessary, contact Technical Support.

PSRDGATTR	Failed to write attributes for group <*groupno*> to the pstore <*pstorename*>.

DESCRIPTION:

Softek Replicator could not write logical group's attributes (for example, state information and tunable parameters) to the pstore.

ACTION:

Check the configuration file for the logical group to make sure that the pstore has been configured correctly.

PSSTAT	Couldn't stat pstore device: <*pstorename*>.

DESCRIPTION:

The pstore either does not exist or is configured incorrectly.

ACTION:

Check the configuration file to make sure that the pstore has been configured correctly.

PSWTDATTR	Failed to write attributes for device <*deviceid*> to pstore <*pstorename*>.

DESCRIPTION:

Softek Replicator could not write the device's attributes to the pstore.

ACTION:

Contact Technical Support.

PSWTGATTR	Failed to write attributes for group <*groupno*> to pstore <*pstorename*>.

DESCRIPTION:

Softek Replicator could not write the logical group's attributes to the pstore.

ACTION:

Contact Technical Support.

PSWTHRDB	Failed to write HRT for device <*deviceid*> to pstore <*pstorename*>.

DESCRIPTION:

Softek Replicator could not write to the pstore for the device indicated. Softek Replicator keeps track of changes when it is in tracking mode and writes the changes to the pstore on a controlled shutdown of the product.

ACTION:

Contact Technical Support.

PSWTLRDB	Failed to write LRT for device <*deviceid*> to pstore <*pstorename*>.

DESCRIPTION:

Softek Replicator could not write to the pstore for the indicated device. The pstore is updated with I/O operations so that a smart refresh can be done if needed.

ACTION:

Contact Technical Support.

READERR	<*deviceid*> read error, offset<*offsetvalue*> length<*lengthvalue*>: <*syserrormsg*>.

DESCRIPTION:

Softek Replicator encountered a read error for an unknown reason.

ACTION:

Refer to the system error message for possible actions. Contact Technical Support.

RECOOFF	dtcrmdreco couldn't create a .off file for group <*groupno*>: <*syserrormsg*>.

DESCRIPTION:

The user issued a `dtcrmdreco` command, which failed to create the `/etc/opt/s###.off` file. This file prevents corruption of the mirror devices when you are adding a system or switching data ownership to the secondary system.

ACTION:

Check the configured file paths and permissions on the `/etc/opt/` directory and refer to the system error message for possible actions.

RECONN	PMD attempting to reconnect to RMD.

DESCRIPTION:

The connection to the RMD was lost due to network or secondary system failure. This message is printed every 90th time an attempt to reconnect is made.

ACTION:

Make sure you can connect to the secondary system over the network.

RETHROTD	throtd no longer running, automated relaunch underway.

DESCRIPTION:

The Softek Replicator throttle daemon (throtd) is in the process of being restarted.

ACTION:

Call Technical Support if throtd does not restart.

RFDAGAIN	Refresh daemon <*processname*> already running. Use killrefresh first.

DESCRIPTION:

Softek Replicator was already running a refresh operation when it received another operation request.

ACTION:

Simply wait for the refresh operation to complete. If necessary, type the `killrefresh` command to stop the refresh operation and re-type the `launchrefresh` command.

RFDBFD	Refresh operation cannot be started. Logical group <*groupno*> is in backfresh mode.

DESCRIPTION:

Softek Replicator cannot start the requested refresh command because the logical group is in backfresh mode.

ACTION:

Wait for the backfresh operation to complete.

RFDCPOFF	Cannot transition from Checkpoint mode during a Refresh operation <*processname*>.

DESCRIPTION:

Softek Replicator attempted to switch out of checkpoint mode during a refresh operation.

ACTION:

Wait for the refresh operation to complete before running the `dtccheckpoint` command.

RFDCPON	Cannot transition to Checkpoint mode during a Refresh operation <*processname*>.

DESCRIPTION:

Softek Replicator attempted to switch to checkpoint mode during a refresh operation.

ACTION:

Wait for the refresh operation to complete before running the `dtccheckpoint` command.

RFDEND	Refresh operation completed for group <*groupno*>.

DESCRIPTION:

Softek Replicator completed a refresh operation successfully.

ACTION:

This message is informational only — no action required.

RFDOFLOW	BAB exhausted during a refresh operation <*processname*>. Run launchrefresh for the group.

DESCRIPTION:

The BAB overflowed during a refresh operation.

ACTION:

Type the `launchrefresh` command to restart the logical group. Note that if the BAB overflows twice during a smart refresh, Softek Replicator is placed in TRACKING mode. You must type the `launchrefresh` command to move the product back to NORMAL mode. If this problem occurs repeatedly, increase the size of the BAB using the Configuration Tool.

RFDSTART	Refresh operation started <*processname*>.

DESCRIPTION:

Softek Replicator started a refresh operation.

ACTION:

This message is informational only — no action required.

RFDTERM	Refresh operation terminated <*processname*>.

DESCRIPTION:

A refresh operation was terminated.

ACTION:

This message is informational only — no action required.

RMDAEND	RMDA (Remote Mirror Apply Daemon) ended <*processname*> - applying journal(s) to mirror(s).

DESCRIPTION:

Changes in the journal file have been applied to the mirror device on the secondary system.

ACTION:

This message is informational only — no action required.

RMDAPPLY	RMD <*processname*> failed applying journal entries to mirrors.

DESCRIPTION:

Changes in the journal file have not been applied to the mirror device on the secondary system.

ACTION:

The accompanying system error message should give more detailed information on appropriate actions.

RMDASTART	RMDA (Remote Mirror Apply Daemon) started <*processname*> - applying journal(s) to mirror(s).

DESCRIPTION:

Changes in the journal file are in the process of being applied to the mirror or secondary system.

ACTION:

This message is informational only — no action required.

RMDERR	PMD received error from RMD = <*filepath*>.

DESCRIPTION:

Error on secondary system.

ACTION:

Check `/var/adm/dtcerror.log` file for more details. Contact Technical Support if necessary.

RMDEXIT	RMD (Remote Mirror Daemon) exited <*syserrormsg*>.

DESCRIPTION:

The RMD was terminated after processing.

ACTION:

This message is informational only — no action required.

RMDINIT	Failed initialization <*syserrormsg*>.

DESCRIPTION:

Softek Replicator failed to initialize the RMD.

ACTION:

Refer to the system error message for possible actions.

RMDSTART	RMD (Remote Mirror Daemon) started <*syserrormsg*>.

DESCRIPTION:

Softek Replicator has initialized the RMD.

ACTION:

This message is informational only — no action required.

RUNAGAIN	Master daemon <*processname*> already running. Use killdtcmaster first.

DESCRIPTION:

The Softek Replicator master daemon was already running when a `launchdtcmaster` command was run. This is an informational message.

ACTION:

Either allow the running master daemon to continue or terminate it with the `killdtcmaster` command, and then restart it with a `launchdtcmaster` command.

SDMISS	Profile in config file <*filepath*> prior to line <*lineno*> missing device specification.

DESCRIPTION:

This error may be caused by a missing or incorrect primary or secondary device specification in the configuration file.

ACTION:

Check the device specification in the indicated configuration file.

SEEKERR	<*processname*> seek error on <*deviceid*>, offset: <*offsetvalue*>: <*syserrormsg*>.

DESCRIPTION:

A `SEEK` system call failed.

ACTION:

Contact Technical Support.

SETFAIL	Cannot set <*keyword*> for group <*groupno*>.

DESCRIPTION:

Softek Replicator cannot set the tunable parameter for the indicated logical group.The user most likely attempted to set a tunable parameter with the `dtcset` command.

ACTION:

Retry the `dtcset` command. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on setting tunable parameters.

SIGERR	Failed handling a signal: <*syserrormsg*>.

DESCRIPTION:

There is a possible network failure.

ACTION:

Check your network configuration.

SIGNAL	[*Pmd*|*rmd*] instance *PID* terminated due to signal <*signalno*>.

DESCRIPTION:

An external signal (for example, a `kill -9 PID` command) caused the PMD to terminate.

ACTION:

Type the `killpmds` followed by the `launchpmds` command.

SOCKBIND	Failed binding PMD socket to RMD: <*syserrormsg*>.

DESCRIPTION:

There is a network problem.

ACTION:

Contact Technical Support.

SOCKFAIL	Failed creating PMD socket to RMD: <*syserrormsg*>.

DESCRIPTION:

There is a network problem.

ACTION:

Refer to the system error message for possible actions. Contact Technical Support.

SOCKFAIL	Failed creating RMD listening socket.

DESCRIPTION:

There is a network problem.

ACTION:

Check your network configuration. If necessary, contact Technical Support.

SOCKOP	Could not configure socket option for <*filepath*>.

DESCRIPTION:

There is a network problem.

ACTION:

Contact Technical Support.

SOCKRERR	<*processname*> Socket read failed:<*syserrormsg*>.

DESCRIPTION:

The PMD was closing connection and attempting to reconnect.

ACTION:

If the error occurs frequently, contact Technical Support.

SOCKWERR	<*processname*> Socket Write failed: <*syserrormsg*>.

DESCRIPTION:

The PMD was closing connection and attempting to reconnect.

ACTION:

If this error occurs frequently, contact Technical Support.

STARTGRP	Failed to start group <*groupno*>.

DESCRIPTION:

Softek Replicator failed to start the indicated logical group.

ACTION:

This error should be informational since the underlying error has already been reported. This can happen for a variety of reasons, including that the logical group is already started. You can type the `dtcinfo` command.

STAT	Stat error on <*syserrormsg*>: <*filepath*>.

DESCRIPTION:

For the given reason, a **STAT(2)** system call on the indicated file failed.

ACTION:

This should be informational since the underlying error has already been reported.

STATINT	STATINTERVAL parameter outside of range: [*parmvalue*] (Max:[*value*] Min: [*value*]).

DESCRIPTION:

The STATINTERVAL tunable parameter is outside the range of valid values. This parameter sets the frequency (in seconds) at which it evaluates throttles, tunable parameters and performance metrics.

ACTION:

Check the setting in the configuration file and make sure the value is in the valid range. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on setting tunable parameters.

STATSIZE	MAXSTATFILESIZE parameter outside of range: [*parmvalue*] (Max: [*value*] Min: [*value*]).

DESCRIPTION:

The MAXSTATFILESIZE tunable parameter is outside the range of valid values. This parameter sets the size of the performance file, in KBs.

ACTION:

Check the setting in the configuration file and make sure the value is in the valid range. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on setting tunable parameters.

STOPFAIL	Cannot stop group with active PMD - run "killpmds -g <*groupno*>" first.

DESCRIPTION:

Softek Replicator cannot stop a logical group that has a running PMD.

ACTION:

Run `killpmds -g <group#>` then run `dtcstop`.

SYNCDEPTH	SYNCMODEDEPTH parameter outside the range: [*parmvalue*] (Max: [*value*] Min: [*value*]).

DESCRIPTION:

The SYNCMODEDEPTH tunable parameter is outside the range of valid values. This parameter sets the number of I/O operations that can accumulate in the BAB before Softek Replicator moves into Synchronous mode.

ACTION:

Check the setting in the configuration file and make sure the value is in the valid range. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on setting tunable parameters.

SYNCTIMEO	Sync mode timeout occurred. Transitioning to Tracking mode: LG###

DESCRIPTION:

When a sync mode timeout occurs, the PMD did not receive an acknowledgement from RMD within the delay set up in the SYNCMODETIMEOUT tuneable parameter. The LG's status becomes TRACKING. When the PMD is restarted or receives an acknowledgement from RMD it outputs the SYNCTIMEO message.

ACTION:

No action required. Once PMD successfully receives an acknowledgement from RMD or RMD is restarted, Smart Refresh is automatically started and the LG status becomes NORMAL.

SYNCVAL	SYNCMODE parameter value must be "off" or "on".

DESCRIPTION:

The SYNCMODE tunable parameter is specified incorrectly.

ACTION:

Check the setting in the configuration file and make sure it is set to either Y or N. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on setting tunable parameters.

SYSCFGERR	System config file (dtc.conf) error: <*syserrormsg*>.

DESCRIPTION:

There is an error in the system configuration file.

ACTION:

Contact Technical Support.

THROT2TST	Configuration file error [<*filepath*> line: <*lineno*>] Too many throttle test clauses.

DESCRIPTION:

The throttle definition contains too many built expressions.

ACTION:

Redefine the throttle, limiting the number of built expressions to be tested. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTACT	Configuration file error [<*filepath*> line: <*lineno*>] Too many throttle actions [limit 16].

DESCRIPTION:

The throttle definition contains more than 16 throttle ACTIONS.

ACTION:

Reduce the number of ACTIONS in the throttle definition to 16 or fewer. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTDOWM	Configuration file error [<*filepath*> line: <*lineno*>] Improper days-of-week / days of month specification.

DESCRIPTION:

The specified month/day the throttle should be evaluated is wrong.

ACTION:

Redefine the throttle with the Configuration Tool. Specify correct values in the Evaluation Time dialog of the Throttles tab. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTLOG	THROTTLE MSG: <*syserrormsg*>.

DESCRIPTION:

This is the output of a Do Log action.

ACTION:

No action required.

THROTLOGOP	Configuration file error [<*filepath*> line: <*lineno*>]. Unrecognized throttle logical operator.

DESCRIPTION:

The throttle definition contains an incorrect operator in a throttle expression.

ACTION:

Redefine the throttle using the Configuration Tool Throttles tab. Use a correct build expression operator. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTMES	Configuration file error [<*filepath*> line: <*lineno*>]. Unrecognized throttle measurement keyword.

DESCRIPTION:

The throttle definition uses an invalid measurement *keyword*.

ACTION:

Replace invalid *keyword* with a correct measurement keyword. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTREL	Configuration file error [<*filepath*> line: <*lineno*>]. Unrecognized throttle relational operator.

DESCRIPTION:

The throttle definition contains an invalid operator.

ACTION:

Replace invalid relational operator in the throttle definition. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTSTA	Configuration file error [<*filepath*> line: <*lineno*>]. Throttle definition structure incorrect.

DESCRIPTION:

The throttle definition contains an unrecognizable throttle structure.

ACTION:

Correct the throttle definition structure in the configuration file. Refer to the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for details on throttle structure.

THROTSYN	Configuration file error [<*filepath*> line: <*lineno*>]. Throttle definition syntax error.

DESCRIPTION:

The throttle definition contains unrecognizable throttle syntax.

ACTION:

Correct the throttle definition syntax in the configuration file. Refer to the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for details on throttle syntax.

THROTTIM	Configuration file error [<*filepath*> line: <*lineno*>]. Improper time value (need HH:MM:SS or -).

DESCRIPTION:

"Time" variables used in the throttle definition are not in the required format.

ACTION:

Enter time in proper syntax (that is, HH:MM:SS or -). See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTTRC	THROTTLE TRACE: group=<*groupno*> action=<*action*>.

DESCRIPTION:

If the TRACETHROTTLE tunable parameter is set to Y, this message appears every time a throttle evaluates to true. This message is informational.

ACTION:

No action required.

THROTVAL	Configuration file error [<*filepath*> line: <*lineno*>] Throttle action has numeric value error.

DESCRIPTION:

Something other than an integer was entered in the value field in the throttle definition.

ACTION:

Correct throttle definition in the configuration file. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTWER	Configuration file error [<*filepath*> line: <*lineno*>] Unrecognized throttle action command.

DESCRIPTION:

The throttle definition contains an invalid command.

ACTION:

Correct the throttle definition. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

THROTWHA	Configuration file error [<*filepath*> line: <*lineno*>] Throttle action command conflicts with the verb.

DESCRIPTION:

The throttle definition contains an incompatible verb/command pair (for example, incr mail).

ACTION:

Adjust verb or action in the configuration file to be compatible. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on throttles.

TRACEVAL	TRACETHROTTLE parameter value must be "off" or "on".

DESCRIPTION:

The TRACETHROTTLE tunable parameter is set to an invalid value. This parameter must be set to Y or N.

ACTION:

Specify a valid value for TRACETHROTTLE parameter in the configuration file. See the *Softek Replicator 2.1 Administrator's Guide for AIX, HP-UX, Linux and Solaris (ML-145086)* for information on tunable parameters.

WRITEERR	<*processname*> write error on <*devicename*>, devid: <*deviceid*>, offset: <*offsetvalue*>, length: <*lengthvalue*>: <*syserrormsg*>.

DESCRIPTION:

The "write" operation to the device failed for the given reason.

ACTION:

Refer to the system error message text for appropriate actions.

Revision History

This revision history lists all revisions of this publication and their effective dates.

Revision Level	Change Summary
ML-145088-001 December 2003	General Availability release of this manual for Softek Replicator, Version 2.1

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