



IBM LoadLeveler for AIX

GA22-7277-00

Diagnosis and Messages Guide

Version 2 Release 1

Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page v.

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Notices

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only IBM's product, program, or service may be used. Any oujay I

Related Information

In addition to this publication, the following books are also part of the LoadLeveler library:

028 ERROR 2512-028 ERROR *error* at line *line_num*

2512-090 The getcwd function failed with error *error_num*.

Explanation: The command was unable to determine the current working directory. The default for the "initialdir" keyword is the current working directory.

User Response: Correct the command file and resubmit the job.

2512-095 The resource limit

2512-109 The *keyword*

2512-118 A job_type = parallel with checkpoint = system_initiated is not valid.

Explanation: A parallel LoadLeveler job may not use system initiated check pointing.

User Response: Correct the job command file and resubmit the job command file.

2512-119 Root cannot run a LoadLeveler job.

Explanation: The root user (id = 0) is not allowed to submit a job command file to

2512-128 Unable to obtain the request name to build the standard output filename.

2512-146 Tã

2512-203 Unable to store job *job number, job name in queue file names files.*

Explanation: Unable to store job number.

User Response: Check available disk space in local spool directory's file system. Check permissions on spool directory and file `nemisã,è_$3,,2-203 Unbèç'lla * ãèÃ,` names

2512-271 An error was detected while processing the parameters of the -r or -f

2512-428

Step

step_id

2512-451 Syntax error: The keyword **LIMIT** = keyword value
value must be numeric.

Explanation:

2512-472 Syntax error: For *keyword = keyword_value* , the MM is not valid MM/DD/YY.

Explanation:

2512-489 *job name* **Magic number of executable** *executable name is not*
SHARE_MAGIC.

Explanation: The specified job's executable is not SHARE_MAGIC format.

User Response: Make sure executable specified in job command file is a binary executable compiled on the correct operating system platform.

2512-490

2512-909 Cannot get user credentials.

2512-933 PVM could not be started on remote host *hostname,errno = error num error msg.*

Explanation: The master Starter either could not receive the start up message from the remote Starter or the PVM daemon (pvmd) could not be started on the remote host.

User Response:

2539-038 Value of *resource_name* is not valid, resetting from *resource_value* to

2539-047 Cannot read machine information from central manager.

Explanation: An error occurred while machine information was being sent to xloadl from the central manager.

2539-056 Could not send command to *daemon_name* on *machine_name*.

Explanation: An unsuccessful attempt was made to send a command to the daemon.

User Response:

2539-065 Cannot find password entry for your userid. Job not submitted.

Explanation:

2539-084 The length of the regular expression must be less than 1024 bytes.

Explanation: The length of regular expressions entered in xloadl must be less than 1024 bytes.

User Response: Enter a shorter regular expression.

2539-085 Problem with regular expression, *regular_expression* : *error_msg*.

Explanation: String2 describes a problem with the regular expression in string1.

User Response: Use the message in string2 to determine the cause of the error and correct it.

2539-086 Problem with regular expression, *regex.h* error no. = *error_code* The less the error—use it.

2539-092 Maximum number of nodes, *field value*, is not valid. It is ignored.

Explanation: The value for the text field for maximum number of nodes is not a valid value for this field.

User Response: Modify the value to an integer that is greater than minimum number of nodes.

2539-093 Tasks Per Node, *field value*, is not valid. It is ignored.

Explanation: The value for the text field for Tasks Per Node is not a valid value for this field.

User Response: Modify the value to an integer that is greater than zero.

2539-094 Total Tasksfy the value to an intege,ã,èÃ´an valid. It is

Exp,´nation: The value for the text field for Tasks Per sfy the a valid value for this
Modify the value to an integer that is greater than zero.

2539-242 Could not determine status for switch adapter

2539-274 gethostname routine failed, errno = *errno*.

2539-313 Attention: A `css` adapter was specified for adapter: *adapter stanza name* but no `switch_node_number` was found. Default value will be used.

Explanation: :

2539-322 Invalid stanza *stanza name*. Ignored.

Explanation: The identified stanza has an invalid type.

User Response: Refer to documentation for correct LoadL_admin stanza types.

2539-323 Unable to obtain *resource limit name* resource limit.

Explanation: A system error was returned by the AIX subroutine getrlimit for the indicated resource limit.

User Response: Make sure the resource limit name is correct. If the name is correct, report the machine issuing the error to IBM Service.

2539-324 Unable to create central manager list, no machine list provided.

Explanation: A list of central manager cannot be created because no machine stanzas exist in the LoadL_admin file.

User Response: Define at least one machine as the primary central manager in the LoadL_admin file.

2539-325 Unable to find a central manager in the LoadL_admin file.

Explanation: Unable to find a central manager machine stanza in the LoadL_admin file.

User Response: Define at least one machine as the primary central manager in the LoadL_admin file.

2539-381 Unable to malloc *num* bytes for DCE credentials file.

Explanation: Unable to allocate memory

User Response: Free up memory on local host.

2539-382 Cannot read *filename*. Cannot fetch DCE security credentials.

Explanation: Unable to read DCE credentials file.

User Response:

2539-386 Unable to malloc

2539-416 User failed username security validation. Username did not match expected name, expected username .

Explanation: User name did not match primary LoadLeveler user name (for example, "loadl").

User Response: Ensure that /etc/LoadL.cfg contains the same LoadLeveler user name for all machines in the cluster.

2539-417 Cannot receive hostname from client.

Explanation: Error receiving hostname from connecting host.

User Response:

2539-433 Invalid keyword *keyword* specified in

2539-459 Cannot gethostbyaddr for machine: *machine name*

Explanation: gethostbyaddr() routine returned an error for named machine.

2539-468 sendFile: Cannot read ready-to-receive. errno =

2539-478 Cannot change process group. errno =

2539-592 *internal context*

2544-853 The default scheduler does not support multiple adapter requirements.

2544-867 **Machine** *machine name*

LABEL: LL_TRUNCATE_ST
IDENTIFIER: 5D868E9

Date/Time: Fri Mar 31 18: 7:43

Table 2 (Page 2 of 5). Possible Causes for LoadLeveler Failure

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Table 2 (Page 3 of 5). Possible Causes for LoadLeveler Failure

Table 2 (Page 4 of 5). Possible Causes for LoadLeveler Failure

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Table 2 (Page 5 of 5). Possible Causes for LoadLeveler Failure

Label: LL_TRUNCATE_ST

Error Type: UNKN

Diagnostic Explanation: Logfile *filename* was truncated.

Explanation: LoadLeveler truncated the specified log file because the file exceeded the size defined in the **LoadL_config** file.

Action: None. This is an informationaltrnÄn,

Glossary

This section contains some of the terms that are commonly used in the LoadLeveler books and in this book in particular.

IBM is grateful to the American National Standards Institute (ANSI) for permission to reprint its definitions

node. In a network, the point where one or more functional units interconnect transmission lines. A computer location defined in a network.

NQS. Network Queueing System.

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Communicating Your Comments to IBM

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Reader's Comments — We'd Like to Hear from You

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