

IBM zSystems and LinuxONE

IPL Machine Loader Messages



Note:

Before you use this information and the product it supports, read the information in “[Safety](#)” on page v, Appendix B, “[Notices](#),” on page 79, and *IBM Systems Environmental Notices and User Guide*, Z125-5823.

This edition, SC28-7046-00, applies to IBM zSystems and IBM LinuxONE.

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Safety

Safety notices

Safety notices may be printed throughout this guide. **DANGER** notices warn you of conditions or procedures that can result in death or severe personal injury. **CAUTION** notices warn you of conditions or procedures that can cause personal injury that is neither lethal nor extremely hazardous. **Attention** notices warn you of conditions or procedures that can cause damage to machines, equipment, or programs.

World trade safety information

Several countries require the safety information contained in product publications to be provided in their local language(s). If this requirement applies to your country, a safety information booklet is included in the publications package shipped with the product. The booklet contains the translated safety information with references to the US English source. Before using a US English publication to install, operate, or service this product, you must first become familiar with the related safety information in the *Systems Safety Notices*, G229-9054. You should also refer to the booklet any time you do not clearly understand any safety information in the US English publications.

Laser safety information

All IBM zSystems and IBM LinuxONE (LinuxONE) models can use I/O cards such as FICON®, Open Systems Adapter (OSA), RoCE Express, Integrated Coupling Adapter (ICA SR, ICA SR1.1), zHyperLink Express, or other I/O features which are fiber optic based and utilize lasers (short wavelength or long wavelength lasers).

Laser compliance

All lasers are certified in the US to conform to the requirements of DHHS 21 CFR Subchapter J for Class 1 or Class 1M laser products. Outside the US, they are certified to be in compliance with IEC 60825 as a Class 1 or Class 1M laser product. Consult the label on each part for laser certification numbers and approval information.

Laser Notice: U.S. FDA CDRH NOTICE if low power lasers are utilized, integrated, or offered with end product systems as applicable. Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

CAUTION: Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

CAUTION: This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)

About this publication

This publication is for operators, administrators, system programmers, or users that will IPL IBM® zSystems and IBM LinuxONE (LinuxONE) operating systems that use the IPL feature.

The IPL feature can be initiated from the Support Element (SE) or the Hardware Management Console (HMC) to IPL a program in a logical partition, or it can be initiated from a z/VM® console to IPL a z/VM guest system. In addition, it can be triggered by an operating system (or other type of stand-alone program) running in a logical partition (LPAR), or as a guest under z/VM. By doing so, the program requests that it be IPL'ed again from a device, thus overriding its current image in the LPAR or z/VM virtual machine memory.

This publication is also required by those performing a dump of the contents of a logical partition (LPAR) onto a disk. A dump can be initiated from the SE, the HMC, an operating system, or a standalone program where, in this case, the user is an operator or system administrator.

This publication is required if any problems appear during the IPL or dump operation. If the IPL or dump is triggered from the SE, or the HMC, or if a program running in LPAR triggers a re-IPL of itself, the messages that are described in this publication appear on the operating systems messages console on the SE or the HMC. If the IPL is initiated under z/VM, the messages appear on the z/VM user console.

Related publications

Other IBM publications that you will find helpful and that you should use along with this publication can be found on **IBM Documentation**. Go to <https://www.ibm.com/docs/en/systems-hardware>, select **IBM zSystems** or **IBM LinuxONE**, then select your configuration, and click **Library Overview** on the navigation bar.

Accessibility features

Accessibility features help users who have physical disabilities such as restricted mobility or limited vision use software products successfully. The accessibility features can help users do the following tasks:

- Run assistive technology such as screen readers and screen magnifier software.
- Operate specific or equivalent features by using the keyboard.
- Customize display attributes such as color, contrast, and font size.

Consult assistive technologies

Assistive technology products, such as screen readers, function with the user interfaces found in this product. Consult the product information for the specific assistive technology product that is used to access our product information.

Keyboard navigation

This product uses standard Microsoft Windows navigation keys.

IBM and accessibility

See <http://www.ibm.com/able> for more information about the commitment that IBM has to accessibility.

How to provide feedback to IBM

We welcome any feedback that you have, including comments on the clarity, accuracy, or completeness of the information.

For additional information use the following link that corresponds to your configuration:

| Configuration | Link |
|---|---|
| IBM z16 Model A02 | How to send feedback to IBM |
| IBM z16 Rack Mount Bundle | How to send feedback to IBM |
| IBM LinuxONE Rockhopper 4 Model LA2 | How to send feedback to IBM |
| IBM LinuxONE Rockhopper 4 Rack Mount Bundle | How to send feedback to IBM |

Chapter 1. Disabled Wait codes

If the Machine Loader fails, it sets a Disabled Wait PSW to terminate the IPL operation. The root cause of the fail can typically be determined by watching the output written to the Operating System Messages Console on the SE or onto the terminal, when working under z/VM, respectively. The error messages written by the Machine Loader are explained in detail in the next chapter.

However, there are a few cases where the Machine Loader might fail in an early phase, without the possibility to provide any output to the operator. In this case, the last 2 bytes of the Disabled Wait PSW (bit positions 48 - 63) contain an error code, indicating the root cause of the fail.

This chapter describes the **error codes** that might be found in a Disabled Wait PSW when the IPL operation failed, without providing any output to the operator. For all other disabled wait codes not explicitly listed here, watch the output on your operator console to determine the root cause of the problem.

**0x0002, 0x0004, 0x0006,
0x0008**

Explanation

Failed to find out architecture of previous Operating System before taking a dump.

Operator response

Take a machine loader dump on the Support Element and contact your service representative.

0x000A

Explanation

IPL Parameters exceed memory limit.

Operator response

Take a machine loader dump on the Support Element and contact your service representative.

0x0222

Explanation

An internal error occurred while moving data.

Operator response

Take a machine loader dump on the Support Element and contact your service representative.

Chapter 2. Error messages

This chapter contains the error messages that are generated by the machine loader:

- [“MLOFCPnnnt messages - FCP” on page 4](#)
- [“MLOPDMnnnt messages - prepare data mover” on page 7](#)
- [“MLOEVLnnnt messages - evaluate parameters” on page 8](#)
- [“MLOXMLnnnt messages - XML parser” on page 12](#)
- [“MLOLOAnnt messages - load SCPL” on page 23.](#)
- [“EXEKEXnnnnnnnt messages - execute data mover” on page 39](#)
- [“INTERNnnnnnnnt messages - internal” on page 40](#)
- [“LOAKXFnnnnnnnt messages - load program” on page 44](#)
- [“LOATFTnnnnnnnt messages - load TFTP” on page 45](#)
- [“MLOLOAnnnnnnnnt messages - load SCPL for IBM z15” on page 46](#)
- [“PRECKDnnnnnnnt messages - prepare ECKD” on page 72](#)
- [“PRENETnnnnnnnt messages - prepare network” on page 73](#)
- [“PRNVMEnnnnnnnt messages - prepare NVMe” on page 73](#)
- [“PRSCSInnnnnnnnt messages - prepare SCSI LUN” on page 74](#)

Understanding the messages

There are three types of messages: error, warning, and informational. They appear in alphabetic order in the following chapter. The messages are identified by a unique message number that is specified in the format MLOXXXnnnt, EXEKEXnnnnnnnt, INTERNnnnnnnnt, LOAKXFnnnnnnnt, LOATFTnnnnnnnt, MLOXXXnnnnnnnt, PRECKDnnnnnnnt, PRENETnnnnnnnt, PRNVMEnnnnnnnt, or PRSCSInnnnnnnnt. These formats are described in the following list:

MLO

The first part of this message number is a three-character prefix that represents the technology that issues the message. The **MLO** messages in this publication are issued by the machine loader.

xxx

The second part of the **MLO** message number is a three-character identifier that represents the specific component that issues the message. The characters associated with each component are identified below.

FCP

FCP device driver

PDM

Prepare data mover

EVL

Evaluate parameters

XML

XML parser

LOA

Load SCPL

EXEKEX

The first part of this message indicates that this message is generated in the data mover code.

INTERN

The first part of this message indicates that this error message is generated in the core code since IBM z15™ (z15).

LOAKXF

The first part of this message indicates that this message is generated in the load program code since z15.

LOATFT

The first part of this message indicates that this message is generated in the load TFTP code since z15.

MLOLOA

The first part of this message indicates that this message is generated in the load SCPL code since IBM z15.

PRECKD

The first part of this message indicates that this message is generated in the prepare ECKD code since IBM z16.

PRENET

The first part of this message indicates that this message is generated in the prepare network code since z15.

PRNVME

The first part of this message indicates that this error message is generated in the prepare NVMe code since z15.

PRSCSI

The first part of this message indicates that this error message is generated in the prepare SCSI code since z15.

nnn or nnnnnnn

The third part of the message number is a three-character decimal number that differentiates the message number from other message numbers issued by the same component. For z15, there is a seven-character identifier.

t

The last part of the message number is a single-character operator code that represents the type of recovery action that the operator must take in response to the message. The recovery actions are represented by the following characters:

E

Indicates that the machine loader could not recover, the machine loader must exit.

I

Indicates messages to inform you of what is happening, for example, when the machine loader is finished.

W

Indicates that the machine loader has detected some problems but should still be able to continue.

MLOFCPnnnt messages - FCP

This section contains the FCP error messages that might result from some problems detected by the FCP device driver. This could be an invalid FCP adapter or a nonexistent LUN.

MLOFCP001E**Stopping SCSI IO at the adapter *devno*.****Explanation**

The machine loader was unable to open either the adapter (*devno*), the port (WWPN), or the unit (LUN). The problem could be not recovered.

Operator response

Check your adapter number, port number, or logical unit number.

MLOFCP002W Adapter *devno* does not exist.

Explanation

The machine loader was unable to get device information about the specified adapter.

Operator response

Check your adapter number or check if the adapter exists.

MLOFCP003W WWPN *wwpn* not found by nameserver lookup.

Explanation

The specified WWPN was not known to the FCP nameserver.

Operator response

Check your WWPN.

MLOFCP004E Port recovery failed on the port with WWPN *wwpn*.

Explanation

There is a problem opening the specified port (*wwpn*) and the error recovery failed.

Operator response

Check your WWPN.

MLOFCP005E LUN *lun* already in use in LPAR *x*, CSS *y* (port *wwpn*, FCP adapter *devno*).

Explanation

FCP LUN *lun* at the remote port with WWPN *wwpn* connected to the adapter with device number *devno* is already owned by another operating system instance in LPAR *x*, channel subsystem *y*.

Operator response

Check your I/O configuration.

MLOFCP006E Access denied, cannot open LUN *lun* (port *wwpn*, FCP adapter *devno*).

Explanation

Access to FCP LUN *lun* on the remote port with WWPN *wwpn* on adapter with device number *devno* is prohibited by access control and cannot be opened.

Operator response

Have your system administrator check the access rights defined in the access control table using the Configuration Utility for FCP LUN Access Control.

MLOFCP007E Access denied, cannot open port *wwpn* (FCP adapter *devno*).

Explanation

Access to remote port with WWPN *wwpn* on adapter with device number *devno* is prohibited by access control and cannot be opened.

Operator response

Have your system administrator check the access rights defined in the access control table using the Configuration Utility for FCP LUN Access Control.

MLOFCP008E **Cannot open adapter with device number *devno*.**

Explanation

The machine loader was not able to open the adapter with device number *devno*.

Operator response

Check your I/O configuration.

MLOFCP009E **Unable to open target port with WWPN *wwpn* (*d_id destination id*) on adapter *devno*.**

Explanation

The WWPN specified could not be opened.

Operator response

Check the WWPN specified for the load device.

MLOFCP010E **Unable to open unit *lun* on port *wwpn* on adapter *devno*.**

Explanation

The connection to the LUN specified could not be established. Either the LUN specified is not correct or is busy.

Operator response

1. Check the LUN specified for the load device.
2. Check the access control settings associated with this LUN.
3. Reduce the I/O traffic to the LUN and retry the operation.

MLOFCP011E **Device *devno* is not a recognized FCP device.**

Explanation

No FCP device was found with the specified device number.

Operator response

1. Check the device number specified for the load device.
2. Check whether the device is online.
3. Check your I/O configuration.

MLOFCP012E **NPIV mode configured for channel is not supported by Fabric.**

Operator response

This can be ignored. However, if this leads to other machine loader errors, take a machine loader dump and contact your service representative.

MLOEVL005E **No SCSI device found on adapter *devno* with WWPN *wwpn* and LUN *lun*.**

Explanation

The machine loader was unable to open the SCSI device.

Operator response

Check your disk, verify your parameters (*devno*, *wwpn*, *lun*), and retry the operation. If the problem persists, take a machine loader dump and contact your service representative.

MLOEVL006E **Failed to bring device online.**

Explanation

The machine loader could not activate the SCSI device using FCP.

Operator response

Check your disk and your parameters (*devno*, *wwpn*, *lun*). Take a machine loader dump and contact your service representative.

MLOEVL007E **No WWPN supplied.**

Explanation

The WWPN is missing within the XML parameter stream.

Operator response

Check your WWPN or take a machine loader dump and contact your service representative.

MLOEVL008E **Device enabling failed.**

Explanation

The machine loader could not enable the boot device.

Operator response

Check your disk and your parameters (*devno*, *wwpn*, *lun*) or take a machine loader dump and contact your service representative.

MLOEVL009E **Enable_device call failed.**

Explanation

The machine loader could not enable the boot device.

Operator response

Check your disk and your parameters (*devno*, *wwpn*, *lun*) or take a machine loader dump and contact your service representative.

MLOEVL010E **IPL failed.**

Explanation

The IPL was unsuccessful.

Operator response

Check for previous errors or take a machine loader dump and contact your service representative.

MLOEVL011E **DUMP failed.**

Explanation

The dump was unsuccessful.

Operator response

Check for previous errors or take a machine loader dump and contact your service representative.

MLOEVL012I **Machine loader up and running.**

Explanation

The machine loader has successfully started.

Operator response

None

MLOEVL013E **XML pointer is zero.**

Explanation

The machine loader could not find the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOEVL014E **XML tree evaluation should not return.**

Explanation

This piece of code should not be executed.

Operator response

Take a machine loader dump and contact your service representative.

MLOEVL016E **Adapter *devno* not found.**

Explanation

The machine loader was not able to find the specified FCP adapter with device number *devno*.

Operator response

Check your I/O configuration.

MLOEVL017E **Unable to set FCP device online (*devno devno*, *wwpn wwpn*, *lun lun*).**

Explanation

The FCP device could not be set online. This could be a configuration problem or a connectivity problem.

Operator response

1. Check your IPL parameters (device number, WWPN, FCP LUN).
2. Check your SAN and storage subsystem access control settings (zoning, LUN masking).
3. Check your hardware setup and cabling between adapter, switches, and storage subsystem.

MLOEVL018E **Out of memory, could not allocate scp data field.**

Explanation

The machine loader ran out of memory.

Operator response

Increase your LPAR or z/VM virtual machine memory, or take a machine loader dump and contact your service representative.

MLOEVL019E **IPL parameter pointer is not set.**

Explanation

The machine loader could not locate the specified IPL parameters.

Operator response

Take a machine loader dump and contact your service representative.

MLOEVL020E **Unable to read IPL parameters.**

Explanation

The machine loader could not evaluate the specified IPL parameters. One or more of these parameters are invalid.

Operator response

Take a machine loader dump and contact your service representative.

MLOEVL021E **Invalid IPL type.**

Explanation

The value in the IPL parameter field specifying the IPL type is not valid.

Operator response

Take a machine loader dump and contact your service representative.

MLOEVL022E **Failed to get a valid subchannel number for device devno.**

Explanation

Either you specified a WWPN of 0 or an invalid device number.

Operator response

1. Check whether the WWPN you specified for the SCSI IPL/DUMP is 0.
2. Check the device number specified for the load device.
3. Check your I/O configuration.

MLOEVL023E

Load failed.

Explanation

The "load from SE" action was unsuccessful.

Operator response

Check for previous errors or take a machine loader dump and contact your service representative.

MLOEVL024I

Watchdog active.

Explanation

A watchdog was activated, monitoring for timeout and hang situations.

Operator response

None

MLOEVL025E

Failed to initialize watchdog (<RC>).

Explanation

The watchdog could not be initialized.

Operator response

1. Check your z/VM version. It has to be v7.1 or later.
2. If this is not the case, take a machine loader dump and contact your service representative.

MLOXMLnnt messages - XML parser

This section contains error messages from the XML parser.

MLOXML002E

Hex value not marked as hex, '0x' missing.

Explanation

One of the machine loader parameters was not marked as a hexadecimal number.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML003E

Closing quote is missing.

Explanation

One of the tags in the XML parameter file does not have a closing quote.

Operator response

Check the specified WWPN or take a machine loader dump and contact your service representative.

MLOXML010E Expected hexadecimal BR LBA, received *br_lba*.

Explanation

There is a problem with the specified alternative boot record.

Operator response

Check the specified boot record LBA or take a machine loader dump and contact your service representative.

MLOXML011E Expected hexadecimal SELECTOR, received *selector*.

Explanation

There is a problem with the specified boot program selector.

Operator response

Check the specified boot program selector or take a machine loader dump and contact your service representative.

MLOXML012E Expected hexadecimal DEVNO, received *devno*.

Explanation

There is a problem with the specified adapter device number.

Operator response

Check the specified adapter device number or take a machine loader dump and contact your service representative.

MLOXML013E Expected hexadecimal CSSID, received *cssid*.

Explanation

There is a problem with the specified channel subsystem identifier.

Operator response

Check the specified channel subsystem identifier or take a machine loader dump and contact your service representative.

MLOXML014E Tag <fcp_ipl> contains the invalid tag <tag>.

Explanation

The machine loader has found an unknown tag within the *fcp_ipl* tag.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML016E More than one <devno> tag.

Explanation

The machine loader found a problem within the XML parameter stream. The boot program selector was specified more than once.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML023E More than one <br_lba> tag.

Explanation

The machine loader found a problem within the XML parameter stream. The alternative boot record was specified more than once.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML024E Tag <ipl_platform_loader> contains the invalid tag <tag>.

Explanation

The machine loader has found an unknown tag within the <ipl_platform_loader> tag.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML025E Missing <fcp_ipl> tag.

Explanation

The machine loader found a problem within the XML parameter stream. The <fcp_ipl> tag is missing.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML026E More than one <fcp_ipl> tag.

Explanation

The machine loader found a problem within the XML parameter stream. The <fcp_ipl> tag was specified more than once.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML027E Tag <system_control_program> contains the invalid tag <tag>.

Explanation

The machine loader has found an unknown tag within the <system_control_program> tag.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML028E**More than one <parameter_string> tag.****Explanation**

The machine loader found a problem within the XML parameter stream. The <parameter_string> tag was specified more than once.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML029E**Invalid type: *type* (only 'ipl' or 'dump').****Explanation**

The machine loader found an invalid type within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML030E**IPL control section should have exactly 1 attribute, found *number*.****Explanation**

The machine loader found a problem within the XML parameter stream. The <ipl_control_section> tag has zero or more than one attribute.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML031E**IPL control section contains an incorrect attribute name: *name*.****Explanation**

The machine loader found a problem within the XML parameter stream. The attribute name of the <ipl_control_section> tag is not correct.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML032E**IPL control section contains an empty attribute value: *value*.****Explanation**

The machine loader found a problem within the XML parameter stream. The attribute name of the <ipl_control_section> tag is not set.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML033E**Tag <ipl_control_section> contains the invalid tag <*tag*>.****Explanation**

The machine loader found a problem within the XML parameter stream. The <ipl_control_section> tag contains an unknown tag.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML034E **More than one <ipl_platform_loader> tag (number).**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <ipl_control_section> tag, but the machine loader has found more than one.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML035E **Missing <ipl_platform_loader> tag.**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <ipl_control_section> tag, but the machine loader has found none.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML036E **More than one <system_control_program> tag (number).**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <system_control_program> tag, the machine loader has found more than one.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML037E **Tag <eServer_ipl_script> contains the invalid tag <tag>.**

Explanation

The machine loader found a problem within the XML parameter stream. The <eServer_ipl_script> tag contains an unknown tag.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML038E **More than one <type> tag (number).**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <type> tag, the machine loader found more than one.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML039E **Missing <type> tag.**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <type> tag, the machine loader found none.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML040E **More than one <ipl_control_section> tag (*number*).**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <ipl_control_section> tag, the machine loader has found more than one.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML041E **Missing <ipl_control_section> tag.**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <ipl_control_section> tag, the machine loader has found none.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML042E **More than one or missing <eServer_ipl_script> tag.**

Explanation

The machine loader found a problem within the XML parameter stream. There should be one <eServer_ipl_script> tag, the machine loader has found none or more than one.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML043E **Top level tag is not <eServer_ipl_script>.**

Explanation

The machine loader found a problem within the XML parameter stream. The top level tag should be <eServer_ipl_script>, the machine loader could not locate it.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML052E **Parsing attributes - missing '=' in *attribute*.**

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect. Attribute name and value have to be separated by an "=" sign.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML053E Parsing attributes - expected **"**, received *char*.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML054E Parsing attributes - attribute ends without opening **"**.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML055E Parsing attributes - expected **"**, received *char*.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML056E Unable to process attributes.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML060E Found attribute without **'** in *string*.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML061E Parsing attributes - expected **"**, received *char*.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML062E Parsing attributes - missing opening ”.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML063E Parsing attributes - expected ”, received *char*.

Explanation

The machine loader found a problem within the XML parameter stream. The syntax of one of the attributes was incorrect.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML064E Found invalid string *string* in <? ... ?>. (line *line_number*)

Explanation

The machine loader found a problem within the XML parameter stream. The XML header contains an invalid attribute *string* in XML line *line_number*.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML072E Unable to add a child to the XML node.

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML073E Unable to add attribute to the XML node.

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML074E **No more tags open: <tag>.**

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML075E **Opening and closing tags do not match: <tag1> and <tag2>.**

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML076E **Unknown closing tag found: <type>.**

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML077E **XML stream corrupted.**

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML078E **XML stream corrupted.**

Explanation

The machine loader found a problem within the XML parameter stream.

Operator response

Take a machine loader dump and contact your service representative.

MLOXML079E **XML stream corrupted.**

Explanation

The machine loader found a problem within the XML parameter stream.

MLOLOA005E **Out of range, there is no matching memory chunk.**

Explanation

The machine loader could not find a free memory chunk.

Operator response

Increase your storage or take a machine loader dump and contact your service representative.

MLOLOA006E **Unable to detect block size.**

Explanation

The machine loader was unable to detect the block size of the boot device.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA007E **Unable to seek to program table pointer.**

Explanation

The machine loader was unable to find the start position of the boot record on the boot device.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA009E **Error while reading Boot Record.**

Explanation

The machine loader was unable to read the boot record from the boot device containing the program table pointer.

Operator response

1. Check your SAN configuration and access rights.
2. Take a machine loader dump and contact your service representative.

MLOLOA010E **Boot Record does not contain a valid pointer.**

Explanation

There is an invalid magic number within the boot record.

Operator response

Prepare your boot disk again and rewrite your boot record.

MLOLOA011E **Seek to program table block failed.**

Explanation

The machine loader was unable to jump to the block containing the program table.

Operator response

Make sure you have prepared your dump disk using the right system dump program, try to prepare your dump disk again, or take a machine loader dump and contact your service representative.

MLOLOA019E

Unable to load data to memory address: *address*.

Explanation

The machine loader was unable to store some data at a temporary location in storage.

Operator response

Check previous error messages, increase your main storage, or take a machine loader dump and contact your service representative.

MLOLOA022E

Block size of a segment table entry is zero.

Explanation

The block sizes of all segment table entries have to be greater than zero.

Operator response

Prepare your boot disk again.

MLOLOA023E

Unable to seek to segment table entry.

Explanation

The machine loader was unable to jump to the block containing the segment table entries.

Operator response

Prepare your boot disk again.

MLOLOA024E

Error while reading segment table entry.

Explanation

The machine loader was unable to read the block, containing the segment table, from the boot device.

Operator response

Prepare your boot disk again.

MLOLOA025E

Segment table entry corrupted.

Explanation

The block size of this segment table entry is not zero.

Operator response

Prepare your boot disk again.

MLOLOA026E

Could not create movemap entry.

Explanation

The machine loader was unable to create a movemap.

Operator response

Check previous error messages for "Out of memory" situations and increase your memory or take a machine loader dump and contact your service representative.

MLOLOA027E

Unknown type in component table entry.

Explanation

The component table contains an entry with an unknown type.

Operator response

Check to use the right disk preparation tool or take a machine loader dump and contact your service representative.

MLOLOA028E

Missing EXECUTE entry in component table.

Explanation

The last entry in the component table has to have the type EXECUTE.

Operator response

Prepare your boot disk again or take a machine loader dump and contact your service representative.

MLOLOA029I

Unable to load parameters to memory address: *old_address*, using *new_address* now.

Explanation

The machine loader is looking for a gap between two components to store the boot parameters. The loader has found a gap, but was not able to write the parameters into it. The loader will search now for the next possible gap.

Operator response

None.

MLOLOA030E

Unable to load parameters to memory address *address*.

Explanation

The machine loader is looking for a gap between two components to store the boot parameters. The loader has found a gap, but was not able to write the parameters into it and there is another gap available.

Operator response

Increase your main storage or take a machine loader dump and contact your service representative.

MLOLOA031E

Error while reading component.

Explanation

The machine loader was not able to create a movemap entry for the boot parameters.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA032E

No space left to store the parameters.

Explanation

The machine loader is trying to store the boot parameters right after the last component; there is not enough free space.

Operator response

Increase your main storage.

MLOLOA033I Unable to load parameters to memory address: *old_address*, using *new_address* now.

Explanation

The machine loader is looking for a free storage location after the last component to store the boot parameters. The loader has found free memory, but was unable to write the parameters into it. The loader will search now for the next possible storage location.

Operator response

None.

MLOLOA034E Unable to load parameters to memory address: *address*.

Explanation

The machine loader is looking for a free storage location after the last component to store the boot parameters. The loader has found free memory, but was unable to write the parameters into it. There is no other possible storage location.

Operator response

Increase your main storage or take a machine loader dump and contact your service representative.

MLOLOA035E Unable to create movemap entry for parameters.

Explanation

The machine loader was unable to create a movemap entry for the boot parameters.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA036E IMAGE entry expected, received type *type*.

Explanation

The machine loader found a component table entry that was not type IMAGE.

Operator response

Prepare your boot disk again or take a machine loader dump and contact your service representative.

MLOLOA037E Error while reading component.

Explanation

An error occurred while reading one of the components from the boot device.

Operator response

Check previous error messages, prepare your boot disk again, or take a machine loader dump and contact your service representative.

MLOLOA038E EXECUTE entry expected, received type *type*.

Explanation

The machine loader found a component table entry other than type EXECUTE.

Operator response

Prepare your boot disk again or take a machine loader dump and contact your service representative.

MLOLOA039E Unable to create movemap entry.

Explanation

The machine loader was unable to create a movemap entry for the currently processed component.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA040E Unable to open load device to read the Boot Record.

Explanation

The machine loader was unable to open the boot device.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA041E Unable to find the component table pointer.

Explanation

The machine loader was unable to find the program table pointer within the boot record.

Operator response

Check previous error messages or prepare your boot disk again.

MLOLOA042E Pointer to component table block corrupted (zero block size).

Explanation

The machine loader has found the pointer to the component table, but the block size value is not valid.

Operator response

Prepare your boot disk again, check your disk preparation tool, or take a machine loader dump and contact your service representative.

MLOLOA043E Unable to seek to component table block in bootmap.

Explanation

The machine loader was unable to jump to the beginning of the component table block.

Explanation

The machine loader was unable to jump to the boot record volume descriptor of your boot optical media.

Operator response

Check your optical media device, check your boot optical media, or take a machine loader dump and contact your service representative.

MLOLOA051E

Unable to read boot record volume descriptor.

Explanation

The machine loader is unable to read the boot record volume descriptor from the boot optical media.

Operator response

Check your optical media device or check your boot optical media.

MLOLOA052E

BRVD - boot record indicator is not zero.

Explanation

The boot record volume descriptor on your boot optical media contains a nonzero value for the boot record indicator.

Operator response

Check your boot optical media.

MLOLOA053E

BRVD - Wrong or missing ISO-9660 identifier.

Explanation

The machine loader expected another ISO-9660 identifier within the boot record volume descriptor of your boot optical media.

Operator response

Check your boot optical media.

MLOLOA054E

BRVD - Wrong descriptor version.

Explanation

The machine loader expected another descriptor version within the boot record volume descriptor of your boot optical media.

Operator response

Check your boot optical media.

MLOLOA055E

BRVD - Wrong or missing boot system identifier.

Explanation

The machine loader expected another boot system identifier within the boot record volume descriptor of your boot optical media.

Explanation

The machine loader is unable to open the optical media boot device.

Operator response

Check your optical media device, check your optical media, or take a machine loader dump and contact your service representative.

MLOLOA070E

Unable to seek to optical media start sector.

Explanation

The machine loader was unable to jump to the start sector of your optical media.

Operator response

Check your optical media device, check your optical media, or take a machine loader dump and contact your service representative.

MLOLOA071I

Unable to load parameters to memory address: *address1*, using *address2* now.

Explanation

Load parameters had to be saved to a different memory location.

Operator response

None.

MLOLOA072E

Unable to load parameters to memory address: *address*.

Explanation

Load parameters could not be saved to memory.

Operator response

Increase your storage.

MLOLOA073E

Unable to create movemap entry.

Explanation

The machine loader was unable to create a movemap entry for the boot parameters.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA074E

Unable to create movemap entry.

Explanation

The machine loader was unable to create a movemap entry.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA075E

System dump programs on optical media are not supported

Explanation

System dump programs on optical media are not supported.

Operator response

Make sure that you specify a non-optical disk as the target device for your dump data.

MLOLOA076W

Invalid section header indicator.

Explanation

The section header entry of the EI Torito boot format on the optical IPL media is invalid. The section header entry will be skipped.

Operator response

Inform your distributor, who has provided the optical media, about this problem.

MLOLOA077E

Missing or invalid section entry boot indicator.

Explanation

The section header entry of the EI Torito boot format on the optical IPL media contains an invalid boot indicator. Either this is an invalid entry or the boot configuration is flagged not bootable.

Operator response

Inform your distributor, who has provided the optical media, about this problem.

MLOLOA078W

Section entry extensions are not supported.

Explanation

Extensions from section entries are not supported and will be skipped.

Operator response

In case the IPL or installation does not complete successfully, inform your distributor, who has provided the optical media about this problem.

MLOLOA079E

Invalid boot section entry.

Explanation

There is an invalid section entry in the EI Torito boot format on the optical IPL media.

Operator response

Inform your distributor, who has provided the optical media about this problem.

MLOLOA080E

Block size of a segment table pointer is zero.

Explanation

Block sizes of all segment table pointers have to be greater than zero.

Operator response

Prepare your boot disk again.

MLOLOA081E **Program Table Pointer in Boot Record is not valid. (block number/block size)**

Explanation

Block number or size of a program table pointer must never be zero.

Operator response

Prepare your boot disk again.

MLOLOA082E **No IMAGE component table entry found.**

Explanation

There is no IMAGE entry that specifies the data to load from the disk.

Operator response

Prepare your boot disk again.

MLOLOA083E **Buffer address <address> is not on page boundary.**

Explanation

Internal error - a misaligned memory buffer was detected.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA084E **Invalid function code <function code> specified.**

Explanation

Internal error - an illegal function code was specified.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA085E **Did not get memory for Load Function Parameter List.**

Explanation

The machine loader did not get a memory buffer needed.

Operator response

Increase the memory of your guest and retry.

MLOLOA086E **File transfer failed with error code <error code>.**

Explanation

System error. This can have multiple reasons.

Operator response

- Check whether your z/VM level is v7.1 or higher.
- If error code is 4, the z/VM FTP interface is already in use. Please retry the operation.
- For any other error code, contact your service representative.

MLOLOA087E **File transfer TIMED OUT !**

Explanation

System error.

Operator response

- Check your IPL parameter settings and retry the operation.
- If the problem persists, please ask your service representative.

MLOLOA088E **File transfer returned bad Status code <status code> !**

Explanation

System error.

Operator response

- Check your IPL parameter settings and retry the operation.
- If the problem persists, please ask your service representative.

MLOLOA089E **Unable to create movemap entry for image.**

Explanation

The machine loader was unable to create a movemap entry for the loaded image.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA090E **Error creating DUMMY movemap entry for IPL parameters.**

Explanation

The machine loader was unable to create a movemap entry for the load parameters.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA091E **Error creating DUMMY execute movemap entry.**

Explanation

The machine loader was unable to create an execute movemap entry.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA092E **Fragmented memory NOT supported !**

Explanation

Fragmented memory is not supported for this action.

Operator response

Please configure your z/VM Guest with contiguous memory and repeat.

MLOLOA093E **Failed to register interrupt handler.**

Explanation

Internal error - registration of an interrupt handler failed.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOA094E **Failed to get file size (<code>).**

Explanation

The SCSI IPL Machine Loader was not able to detect the size of the container to load.

Operator response

- Check for previous error messages.
- If this does not help to resolve the problem, please ask your service representative.

MLOLOA095E **Not enough memory left to load file !**

Explanation

The container to be loaded exceeds the guest's memory.

Operator response

Increase the memory of your z/VM guest and retry.

MLOLOA096E **Failed to load file (<code>).**

Explanation

The SCSI IPL Machine Loader was not able to load the container into guest memory.

Operator response

- Check for previous error messages.
- If this does not help to resolve the problem, please ask your service representative.

MLOLOA097E **Failed copy ipl parameters.**

Explanation

The SCSI IPL Machine Loader was not able to copy the IPL Parameters.

Operator response

Check previous error messages or take a machine loader dump and contact your service representative.

MLOLOA097I **Fragmented memory not supported, only using memory up to first memory gap (0x# bytes) !**

Explanation

Fragmented memory is not supported for this action. Only the first contiguous memory chunk will be used.

Operator response

None.

MLOLOA099W **File transfer service is currently busy (<error code>). Retrying.**

Explanation

File transfer service is currently busy. Operation will be retried automatically.

Operator response

None.

MLOLOA100W **File transfer recoverable error (<error code>). Retrying.**

Explanation

File transfer encountered a recoverable problem. Operation will be retried automatically.

Operator response

None.

MLOLOA101E **Unknown return code (<error code>) received from File transfer !**

Explanation

System error.

Operator response

Take a machine loader dump and contact your service representative.

MLOLOAnnnE **Out of memory.**

Explanation

The machine loader ran out of memory; (*nnn* may take various values).

Operator response

Take a machine loader dump and contact your service representative.

EXEKEXnnnnnnnt messages - execute data mover

This section contains the error messages that are generated in the data mover code since z15.

EXEKEXE07C700E **Program start failed.**

Explanation

The machine loader was unable to move components to their final destination.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERNnnnnnnt messages - internal

This section contains the error messages that are generated in the core code since z15.

INTERN0E01EE0E **Initialization error.**

Explanation

The machine loader was unable to perform initial initialization.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E03EE0E **Failed to load boot configuration.**

Explanation

Unable to obtain the boot configuration from the Support Element.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E10EE0E **Unsupported boot type.**

Explanation

The specified load type is not supported.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E30011E **Internal configuration problem.**

Explanation

The machine loader was unable to read the configuration.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40001E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40002E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40003E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40004E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40005E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40006E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40007E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40008E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E40010E **Error reading reboot configuration.**

Explanation

The machine loader was unable to read the re-IPL information from the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E69ED02 **Internal error during List-Directed Load operation.**

Explanation

The machine loader encountered an unknown issue during List-Directed IPL.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E69ED03 **Internal error during List-Directed Load operation.**

Explanation

The machine loader encountered an unknown issue during List-Directed IPL.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A011E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A111E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A210E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A310E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A610E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7A910E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7AC11E **Internal cleanup failure.**

Explanation

Error while performing cleanup actions.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E7FEEEE **Internal abort.**

Explanation

The IPL failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E90EE0C **Creating original log failed.**

Explanation

The machine loader was unable to report the original message.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E90EE0E **IPL ended with an error. No additional information available.**

Explanation

The IPL failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E98EE0E **Writing original log failed.**

Explanation

The machine loader was unable to report the original message.

Operator response

Contact your service representative. Repair of this problem is concurrent.

INTERN0E990210 **Parameter error.**

Explanation

Parameter check failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

LOAKXFnnnnnnt messages - load program

This section contains the error messages that are generated in the load program code since z15.

LOAKXF617C0300 **The preparation to start the loaded program failed.**

Explanation

Start preparation for loaded program failed. Consider adding more memory to the partition. Try the operation again.

Operator response

Contact your service representative. Repair of this problem is concurrent.

LOATFTnnnnnnt messages - load TFTP

This section contains the error messages that are generated in the load TFTP code since z15.

LOATFT64200628 **Encountered an internal error when trying to get a DHCP lease.**

Explanation

The machine loader was unable to acquire a valid DHCP lease from the DHCP server.

Operator response

Contact your service representative. Repair of this problem is concurrent.

LOATFT64200660 **DHCP lease information did not return information about a download server.**

Explanation

The machine loader got a valid DHCP response from the server but the response does not contain the required domain-name-servers information.

Operator response

Check the configuration of your DHCP server.

LOATFT64200670 **DHCP lease information did not return information about a file name for the Network Boot configuration.**

Explanation

The machine loader got a valid DHCP response from the server but the response does not contain the required file name information.

Operator response

Check the configuration of your DHCP server.

LOATFT64200840 **The download server <server> could not be contacted.**

Explanation

The machine loader was unable to contact the specified TFTP server.

Operator response

Check your network setup and the configuration of your DHCP server.

LOATFT64200860 **An error occurred when parsing the Network Boot configuration <configuration>: No value found for <for>.**

Explanation

The boot configuration on the boot server is incomplete.

Operator response

Check the configuration of your DHCP and TFTP servers.

LOATFT64200880

An error occurred when trying to download the component <component> specified in the Network Boot configuration.

Explanation

The machine loader was unable to retrieve at least one of the specified files from the TFTP server.

Operator response

Check the configuration of your DHCP and TFTP servers.

LOATFT64A00620

Unable to get a DHCP lease over the network bind device <device>.

Explanation

The DHCP server did not return a DHCP lease.

Operator response

Check the configuration of your DHCP server.

MLOLOAnnnnnnt messages - load SCPL for IBM z15

This section contains the error messages that are generated in the load SCPL code since IBM z15 (z15).

MLOLOA6268310E

Error generating IPL Parameter Block.

Explanation

Unable to create IPL Parameter Block from load parameters.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6268311E

Error storing IPL Parameter Block.

Explanation

Unable to store IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6268610E

Error sending IPL Parameter Block.

Explanation

The machine loader was unable to persist the IPL information.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6268611E

Error reading IPL Parameter Block.

Explanation

The machine loader was unable to read the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269006E **Unable to detect block size of device <device>.**

Explanation

The machine loader was unable to detect the block size of the boot device.

Operator response

Check your IPL settings and SAN configuration.

MLOLOA6269007E **Unable to find Program Table pointer on device <device>.**

Explanation

The machine loader was unable to find the Boot Record on the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269008E **Out of memory (<details>).**

Explanation

The machine loader ran out of memory.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269009E **Error while reading Boot Record from device <device>.**

Explanation

The machine loader was unable to read the Boot Record from the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269010E **Boot Record on device <device> does not contain a valid pointer.**

Explanation

There is an invalid magic number within the Boot Record.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269011E **Program Table Block not found on device <device>.**

Explanation

The machine loader was unable to locate the block containing the Program Table.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269012E **Error reading Program Table Block from device <device>.**

Explanation

The machine loader was unable to read the Program Table from the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269013E **Wrong or missing magic number in Program Table on device <device>.**

Explanation

The magic number within the Program Table is corrupted or missing.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269014E **Invalid Boot Program Table entry found on device <device>.**

Explanation

The specified entry in the boot Program Table is not valid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269016E **Unable to find block specified in bootmap entry on device <device>.**

Explanation

The machine loader was unable to jump to the block specified in the Segment Table entry.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269017E **Error reading bootmap block from device <device>.**

Explanation

The machine loader was unable to read a block specified within the Segment Table.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269018E **Dump memory limit was exceeded.**

Explanation

The dump program exceeds the maximum size.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269022E **Block size of a Segment Table entry is zero on device <device>.**

Explanation

The block size of a Segment Table entry is zero.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269023E **Unable to find Segment Table entry on device <device>.**

Explanation

The machine loader was unable to locate the block containing the Segment Table entries.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269024E **Error reading Segment Table entry from device <device>.**

Explanation

The machine loader was unable to read the Segment Table from the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269025E **A Segment Table entry is corrupted on device <device>.**

Explanation

The block size of a Segment Table entry is not zero.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269026E **Could not create movemap entry.**

Explanation

The machine loader was unable to create a movemap.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269027E **Component of unknown type found on device <device>.**

Explanation

The Component Table contains an entry with an unknown type.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269028E **Missing Execute entry on device <device>.**

Explanation

The last entry in the Component Table must be of type EXECUTE.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269029E **Execute entry found at unexpected position on device <device>.**

Explanation

Execute entry must be the last entry in Component Table.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626902AE **Execute entry is not preceded by Image entry on device <device>.**

Explanation

The machine loader found a Component Table entry that is not of type IMAGE.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269036E **Component sequence error on device <device>.**

Explanation

The machine loader found a Component Table entry that is not of type IMAGE.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269037E **Error reading component from device <device>.**

Explanation

An error occurred while reading one of the components from the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626903EE **Component exceeds memory limit.**

Explanation

A component exceeds the memory of the LPAR.

Operator response

Check the memory size of the LPAR and the installation of the program to IPL.

MLOLOA6269040E **Failed to open device <device>.**

Explanation

The machine loader was unable to open the boot device.

Operator response

Check your IPL settings and your SAN configuration.

MLOLOA6269041E **Unable to find a valid Component Table pointer on device <device>.**

Explanation

The machine loader was unable to find the Program Table pointer within the Boot Record.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269042E **A pointer to a Component Table block is corrupted on device <device>.**

Explanation

The value of the block size in the Component Table is not valid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269043E **Unable to find Component Table block on device <device>.**

Explanation

The machine loader was unable to locate the beginning of the Component Table block.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269045E **Error reading Component Table from device <device>.**

Explanation

The machine loader was unable to read the Component Table block from the boot device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269046E **Component Table on device <device> does not contain a valid magic number.**

Explanation

The Component Table does not contain a special magic number.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA6269047E | DUMP specified, but target system on device <device> is not a valid dump program. |
|-----------------------|--|

Explanation

The user has triggered a DUMP action; the specified dump disk does not contain a valid system dump program.

Operator response

Check your IPL settings.

| | |
|-----------------------|---|
| MLOLOA6269048E | IPL specified, but target system on device <device> is a dump program. |
|-----------------------|---|

Explanation

The user has triggered an IPL action, but the specified boot disk does not contain a valid system control program.

Operator response

Check your IPL settings.

| | |
|-----------------------|---|
| MLOLOA6269049E | Component Table on device <device> has invalid type. |
|-----------------------|---|

Explanation

The Component Table header contains an unknown type value.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA6269050E | Secure IPL: Execute entry does not point to the beginning of a signed component on device <device>. |
|-----------------------|--|

Explanation

The execute entry must point to the beginning of a signed component.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA6269051E | Secure IPL: Signature verification failed for component on device <device>. |
|-----------------------|--|

Explanation

The machine loader was unable to verify the signature of a component.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269052E **Failed to create entry in Device Component List.**

Explanation

The machine loader was unable to add the signature verification record in the Device Component List.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269053E **Signature component on device <device> exceeds the maximum length.**

Explanation

The maximum length of all signature components is exceeded.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269054E **Failed to locate device <device>.**

Explanation

The machine loader was unable to detect the device address.

Operator response

Check your IPL settings and your SAN configuration.

MLOLOA6269055E **Component Table on device <device> exceeds maximum size.**

Explanation

Size of the Component Table must be greater than zero.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269056E **Error Processing Component Table on device <device>.**

Explanation

The Component Table must contain at least one Image entry.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269057E **Error reading IPL Parameter Block.**

Explanation

The machine loader was unable to read the IPL Parameter Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269058E **IPL Report Block exceeds the maximum size allowed.**

Explanation

The IPL parameter block exceeds the maximum size defined in z/Architecture.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269059E **Error creating IPL Report Block.**

Explanation

The machine loader was unable to create the IPL Report Block.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269060E **No space found for IPL Parameter Block.**

Explanation

There was not enough free space to store the IPL Parameter Block in memory.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269061E **Error writing IPL Parameter Block.**

Explanation

Unable to write the address of the IPL Parameter Block to the low core.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269062E **Unable to align components.**

Explanation

The machine loader was unable to align the components in memory.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269063E **Overlapping components found on device <device>.**

Explanation

At least two components have the same target address.

Operator response

The installation of the program to IPL is not correct. Contact the distributor of the program.

MLOLOA6269064E **Secure IPL: No signed components are available on device <device>.**

Explanation

The operating system on the disk is not installed with Secure IPL support.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269080E **Block size of a Segment Table pointer is zero on device <device>.**

Explanation

The block sizes of all Segment Table entries must be greater than zero.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269081E **Program Table pointer in Boot Record on device <device> is not valid.**

Explanation

Block number or size of a Program Table pointer must be zero.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269200E **Too few components to load found on device <device>.**

Explanation

The Component Table must contain at least two components.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269201E **Movemap exceeds maximum size.**

Explanation

The number of components exceeded the maximum size of 16.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269202E **No address found in Execute entry on device <device>.**

Explanation

The specified Execute entry address was invalid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269203E **Internal load failed.**

Explanation

The IPL failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693001 **Internal error detecting the IPL operation.**

Explanation

The boot operation passed was not recognized.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693011 **Internal error detecting the type of IPL.**

Explanation

The boot type passed was not recognized.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693051 **Internal error.**

Explanation

The openssl context could not be created.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693052 **Internal error.**

Explanation

Error allocating a BIO.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693053 **Error processing certificates selected for IPL.**

Explanation

A certificate could not be converted into X509 format.

Operator response

Check the format of the certificates selected for the IPL operation.

MLOLOA62693054 **Error processing signature data on device <device>.**

Explanation

A signature was not in PKCS7 format.

Operator response

Check the signature data on the device.

MLOLOA62693055 **Internal error processing certificates.**

Explanation

A certificate could not be added to the certificate stack.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693056 **Unknown signature data found on device <device>.**

Explanation

Found signature data on the device with unsupported format.

Operator response

Check the signature data on the device.

MLOLOA62693071 **Internal error.**

Explanation

A mismatch in the CS Token of the imported certificates was detected.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693091 **Internal initialization error.**

Explanation

Not yet initialized.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693092 **Internal initialization error.**

Explanation

Already initialized.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693094 **Internal initialization error.**

Explanation

Unknown command line argument.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693095 **Internal initialization error.**

Explanation

Bad argument value for Boot Record.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693096 **Internal initialization error.**

Explanation

Bad argument value for Boot Program Selector.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693099 **Internal initialization error.**

Explanation

Bad argument value for Boot Operation.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B1 **Internal read error.**

Explanation

Error reading in binary file.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B2 **Internal read error.**

Explanation

Error reading in text file.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B3 **Internal read error.**

Explanation

Unknown file format.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B4 **Internal read error.**

Explanation

Unknown error during file read.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B5 **Internal read error.**

Explanation

Error opening directory.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626930B6 **Internal read error.**

Explanation

Error opening file for write.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693101 **Internal error creating system information.**

Explanation

The IPL Parameter Block exceeds the maximum size defined in z/Architecture.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693111 **Internal error creating system information.**

Explanation

There was a problem merging in the low core information.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693151 **The Boot Program selection is out of range.**

Explanation

The selected Boot Program exceeds the maximum value allowed.

Operator response

Check your IPL settings.

MLOLOA62693161 **Too many entries in Component Table on device <device>.**

Explanation

The index accessing a Component Table entry exceeds the maximum value allowed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693181 **Entry of unknown type was found in Component Table on device <device>.**

Explanation

An unsupported entry type was found in the Component Table.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A0 **Audit: Component <component> of program <program> on device <device> is located in the prefix area, but it is not signed.**

Explanation

Security violation: An unsigned component loaded into the prefix area was found.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A1 **Audit: SCLAB of component <component> of program <program> on device <device> does not have a valid magic value.**

Explanation

Security violation: The SCLAB of a component is invalid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A2 **Audit: Length of SCLAB of component <component> of program <program> on device <device> is too short.**

Explanation

Security violation: The length of a SCLAB of a component is invalid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A3

Audit: SCLAB of component <component> of program <program> on device <device> has an invalid format value.

Explanation

Security violation: The format of a SCLAB of a component is invalid.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A4

Audit: Load Address in SCLAB of component <component> of program <program> on device <device> does not match the Load Address for the component.

Explanation

Security violation: The Load Addresses in the SCLAB and in the Component Table do not match.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A5

Audit: SCLAB of component <component> of program <program> on device <device> has a NUC bit set, but is not a global SCLAB.

Explanation

Security violation: A non-global SCLAB was found with the global NUC bit set.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A6

Audit: SCLAB of component <component> of program <program> on device <device> has SC bit set, but is not a global SCLAB.

Explanation

Security violation: A non-global SCLAB was found with the global SC bit set.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A7

Audit: SCLAB of component <component> of program <program> on device <device> has Load PSW set, but OPSW flag is not set.

Explanation

Security violation: A SCLAB was found with Load PSW set, but OPSW flag not set.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931A8 **Audit: SCLAB of component <component> of program <program> on device <device> has Load Address set, but OLA flag is not set.**

Explanation

Security violation: A SCLAB was found with Load Address set, but OLA flag not set.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626931E1 **Too many entries in Segment Table on device <device>.**

Explanation

The index accessing a Segment Table entry exceeds the maximum value allowed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693201 **Component sequence error on device <device>: The signature for a signed component is missing**

Explanation

A signed Image Component was not preceded by a Signature Component.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693202 **Component sequence error on device <device>: Final entry is not the last Component Table entry.**

Explanation

The Final component entry is not the last Component Table entry found.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693203 **Component sequence error on device <device>: Signature entry does not precede an Image entry.**

Explanation

A Signature Component entry does not precede an Image Component entry.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693205 **A component of *unknown type* was found on device <device>.**

Explanation

The type of a component read from disk is unknown.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693206 **Image Components that were found on device <device> overlap.**

Explanation

The Image Components found on disk overlap in their target locations.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693209 **The IPL operation (Load or Dump) that was selected for IPL from device <device> does not match the program selected.**

Explanation

The IPL operation (Load/Dump) selected for IPL from disk does not match the program selected.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269320A **Internal error finding free space for Signature information.**

Explanation

No free space was found to write signatures to.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA6269320B **Internal error finding free space for IPL information.**

Explanation

No free space was found to write IPIB to.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693210 **Audit: Signature verification failure for component <component> in program <program> loaded from device <device>.**

Explanation

Signature verification for an Image Component failed.

Operator response

Check your IPL settings, the installation of the program to IPL and the certificates enabled for the secure IPL operation.

MLOLOA62693212 **Audit: No signed components found for program <program> loaded from device <device>.**

Explanation

Security violation: The program to IPL was not signed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693213 **Audit: No SCLABs found in the components of program <program> loaded from device <device>.**

Explanation

Security violation: No SCLABs were found in the signed components of the program.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693214 **Audit: No global SCLAB found in the components of program <program> loaded from device <device>.**

Explanation

Security violation: No signed component specifies a Load PSW override in the SCLAB

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693215 **Audit: More than one global SCLAB found in the components of program <program> loaded from device <device>.**

Explanation

Security violation: More than one signed component specifies a Load PSW override in the SCLAB.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693216 **Audit: More than one image component found for program <program> loaded from device <device>.**

Explanation

Security violation: SCLAB allows for one image component only, but more image components were found.

Operator response

Check your IPL settings, the installation of the program to IPL and the certificates enabled for the secure IPL operation.

MLOLOA62693217 **Audit: Unsigned image components found for program <program> loaded from device <device>.**

Explanation

SCLAB allows for signed image components only, but unsigned components were found.

Operator response

Check your IPL settings, the installation of the program to IPL and the certificates enabled for the secure IPL operation.

MLOLOA62693218 **Audit: Load PSW in SCLAB of component <component> does not match the Load PSW for boot program <program> on device <device>.**

Explanation

Security violation: The Load PSWs in the SCLAB and in the Component Table do not match.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693219 **Audit: Load PSW does not point into component <component> of boot program <program> on device <device>.**

Explanation

Security violation: The Load PSW does not point into the associated component.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269321A **Audit: The global SCLAB of component <component> of boot program <program> on device <device> does not have OLA flag set.**

Explanation

Security violation: The global SCLAB does not have the OLA flag set.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269321F **A security violation error was encountered when loading from device <device>.**

Explanation

The machine loader found one or more security issues during IPL.

Operator response

Look at the console for more details. Check your IPL settings and the installation of the program to IPL.

MLOLOA62693241 **Internal error detecting the type of IPL.**

Explanation

The initial Ldipl Pointer to the Boot Record could not be created because an unknown Boot Type was passed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693242 **Internal error creating the entry pointer for the IPL operation.**

Explanation

The initial Ldipl Pointer to the Boot Record created is invalid.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693243 **Internal error detecting the type of IPL.**

Explanation

An Ldipl Pointer could not be created because an unknown Boot Type was passed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693244 **Internal error occurred when evaluating the IPL data on disk.**

Explanation

An Ldipl Pointer that was created is invalid.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693245 **No Boot Record found on device <device>.**

Explanation

The Boot Record could not be read from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693246 **The Boot Record found on device <device> is invalid.**

Explanation

The validity check for the Boot Record read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693247 **No Program Table found on device <device>.**

Explanation

The Program Table could not be read from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693248 **The Program Table found on device <device> is invalid.**

Explanation

The validity check for the Program Table read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693249 **The Program <program> selected is not installed on device <device>.**

Explanation

The program selected in the IPL settings is not installed on the load device.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269324A **Component Table for program <program> was not found on device <device>.**

Explanation

A Component Table could not be read from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269324B **Component Table for program <program> on device <device> is invalid.**

Explanation

The validity check for a Component Table read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269324C **Component Table entry <entry> for Program <program> found on device <device> is invalid.**

Explanation

The validity check for a Component Table entry read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA6269324D **A Segment Table for component <component> of program <program> was not found on device <device>.**

Explanation

A Component Table could not be read from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA6269324E | A Segment Table for component <component> of program <program> on device <device> is invalid. |
|-----------------------|--|

Explanation

The validity check for a Segment Table read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA6269324F | Data for component <component> of program <program> was not found on device <device>. |
|-----------------------|--|

Explanation

Data for a component could not be read from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA62693250 | Failed to read Volume Label from device <device>. |
|-----------------------|--|

Explanation

The load of the Volume Label from a ECKD device failed.

Operator response

Check your IPL settings.

| | |
|-----------------------|---|
| MLOLOA62693251 | The Final Component Table entry for program <program> on device <device> is invalid. |
|-----------------------|---|

Explanation

The validity check for the Final Component Table entry read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|---|
| MLOLOA62693252 | Image Component Table entry <entry> for program <program> on device <device> is invalid. |
|-----------------------|---|

Explanation

The validity check for an Image Component Table entry read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693253 **Signature Component Table entry <entry> for program <program> on device <device> is invalid.**

Explanation

The validity check for a Signature Component Table entry read from disk failed.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693254 **An internally created Image Component Table entry is invalid.**

Explanation

The validity check for an internally created Image Component Table entry failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693255 **Automatic boot program search failed to find a program with the requested IPL operation (Load or Dump) on device <device>.**

Explanation

No program matching the specified IPL operation (Load/Dump) is installed on the disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA62693281 **Error locating device <device>.**

Explanation

The subchannel for the disk was not found.

Operator response

Check your IPL settings.

MLOLOA62693282 **Internal error locating device <device>.**

Explanation

No valid subchannel was found for the load device.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693283 **Internal error locating device <device>.**

Explanation

Error during conversion of the subchannel number found for the disk.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693284 **Internal error creating information for device <device>.**

Explanation

Error during conversion of the SSID extracted from the BusID for the disk.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA62693285 **Internal error detecting the type of IPL.**

Explanation

The type of the Load device could not be determined because an unknown Boot Type was passed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626932A1 **Internal error reading from device <device>.**

Explanation

The read operation did not return the expected amount of bytes.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626932A2 **Internal error reading from device <device>.**

Explanation

An unknown error occurred while reading from the disk.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626932A3 **Internal error reading from device <device>.**

Explanation

Creation of the input stream failed.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626932A4 **Error getting geometry of device <device>.**

Explanation

IOCTL, to get the meta data about the geometry of the disk, failed.

Operator response

Check your IPL settings.

| | |
|-----------------------|---|
| MLOLOA626932C1 | A CKD record specified in the IPL data on device <device> was not found. |
|-----------------------|---|

Explanation

The start Record specified in an Ldipl Pointer was not found on disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA626932C8 | The load failed due to an internal error. |
|-----------------------|--|

Explanation

Not enough memory to retrieve device geometry.

Operator response

Contact your service representative. Repair of this problem is concurrent.

| | |
|-----------------------|---|
| MLOLOA626932D1 | Malformed data: An unexpected EOF marker was encountered on device <device>. |
|-----------------------|---|

Explanation

An EOF marker was encountered within a data block loaded from disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA626932D4 | Malformed data: Data exceeds end of track on device <device>. |
|-----------------------|--|

Explanation

Either the EOT marker is missing or a record reaches beyond the end of the track.

Operator response

Check your IPL settings and the installation of the program to IPL.

| | |
|-----------------------|--|
| MLOLOA626932F1 | Internal error during load operation. |
|-----------------------|--|

Explanation

There was already a program loaded.

Operator response

Contact your service representative. Repair of this problem is concurrent.

| | |
|-----------------------|--|
| MLOLOA626932F2 | Internal error during load operation. |
|-----------------------|--|

Explanation

There were less than 2 Components found on the disk.

Operator response

Check your IPL settings and the installation of the program to IPL.

MLOLOA626932F3 **Internal error during load operation.**

Explanation

The maximum amount of Kexec segments is exceeded.

Operator response

Contact your service representative. Repair of this problem is concurrent.

MLOLOA626932F4 **Internal error during load operation.**

Explanation

Kexec Load returned an error.

Operator response

Contact your service representative. Repair of this problem is concurrent.

PRECKDnnnnnnt messages - prepare ECKD

This section contains the error messages that are generated in the prepare ECKD code since IBM z16.

PRECKD20420210 **<BUS-ID> is not a valid bus ID.**

Explanation

The machine loader could not activate the ECKD device.

Operator response

Check your I/O setup and your boot configuration.

PRECKD20420211 **An error occurred when setting volume {0} online.**

Explanation

The machine loader encountered an error while setting the specified EKCD device online.

Operator response

Check your I/O setup and your boot configuration.

PRECKD20440310 **Device <device> was not recognized as an ECKD device.**

Explanation

The specified device number was not recognized as an ECKD device.

Operator response

Check your I/O setup and your boot configuration.

PRECKD20440311 **DASD <dasd> is not online.**

Explanation

The device did not come online.

Operator response

Check your I/O setup and your boot configuration.

PRECKD2044A10E Device <device> was not found.

Explanation

The machine loader was not able to access the device on the storage server.

Operator response

Check your I/O setup and your boot configuration.

PRENETnnnnnnt messages - prepare network

This section contains the error messages that are generated in the prepare network code since z15.

PRENET21100420 Network initialization on device <device> failed due to an external setup problem.

Explanation

The machine loader was unable to initialize the specified network device.

Operator response

Check your network setup and the parameters specified and retry the operation.

PRENET21100428 Failed to bring network device <device> online.

Explanation

The machine loader was unable to bring up the network device.

Operator response

Check your network setup and your I/O configuration and retry the operation.

PRNVMEnnnnnnt messages - prepare NVMe

This section contains the error messages that are generated in the prepare NVMe code since z15.

PRNVME2410010E Device FID=<fid> was not found.

Explanation

The specified device number was not found in the I/O configuration.

Operator response

Check your I/O setup and your boot configuration.

PRNVME2410011E **Device FID=<fid> was not found.**

Explanation

The specified device number was not found in the I/O configuration.

Operator response

Check your I/O setup and your boot configuration.

PRNVME2410020E **Device FID=<fid> was not recognized as an NVMe device.**

Explanation

The specified device number was not recognized as an NVMe PCI device.

Operator response

Check your I/O setup and your boot configuration.

PRNVME2410030E **Unable to configure device FID=<fid> online.**

Explanation

The specified device number was not recognized as an NVMe PCI device.

Operator response

Check your I/O setup and your boot configuration.

PRNVME2444A10E **Device <device> was not found.**

Explanation

The machine loader was not able to access the device.

Operator response

Check your I/O setup and your boot configuration.

PRSCSIInnnnnnt messages - prepare SCSI LUN

This section contains the error messages that are generated in the prepare SCSI code since z15.

PRSCSI2242210E **<BUS-ID> is not a valid bus ID.**

Explanation

The machine loader could not activate the SCSI device using FCP.

Operator response

Check your I/O setup and your boot configuration.

PRSCSI2242211E **Error setting HBA=<hba> online.**

Explanation

The machine loader encountered an error while accessing the specified HBA.

Operator response

Check your I/O setup and your boot configuration.

PRSCSI2244310E **Device devno=<devno> was not recognized as an HBA.**

Explanation

The specified device number was not recognized as an FCP HBA.

Operator response

Check your I/O setup and your boot configuration.

PRSCSI2244311E **HBA=<hba> does not have access to WWPN=<wwpn>.**

Explanation

The machine loader was not able to access the specified WWPN.

Operator response

Check your SAN setup and your boot configuration.

PRSCSI2244610E **HBA=<hba> does not have access to LUN=<lun> with WWPN=<wwpn>.**

Explanation

The machine loader was not able to access the specified LUN on the storage server.

Operator response

Check your SAN setup and your boot configuration.

PRSCSI2244A10E **Device <device> was not found.**

Explanation

The machine loader was not able to access the device on the storage server.

Operator response

Check your I/O setup and your boot configuration.

Appendix A. How to take a machine loader dump

If there are problems during an IPL of a logical partition or while taking a dump of a partition, you may be required to take a dump of the machine loader that performs the IPL or DUMP function. This will assist your service representative in diagnosing the problem. Several error messages described in this publication require you to take a machine loader dump. For more information on how to take a dump of the machine loader, see one of the following publications. The content can be found on the console help system, or on Resource Link® at <http://www.ibm.com/servers/resourcelink> under the **Library** section.

- IBM zSystems, IBM LinuxONE, and IBM zEnterprise® *System Support Element Operations Guide*
- System z10® *Support Element Operations Guide*, SC28-6879
- System z9® *Support Element Operations Guide*, SC28-6860

If this problem occurs during an IPL of a z/VM guest operating system, and the associated error message requires you to take a machine loader dump, you must take a plain z/VM guest memory dump in order to preserve the machine loader state. It is recommended that you use the **vmdump** CP command (refer to *z/VM CP Commands and Utilities Reference*, SC24-6268) to obtain the memory dump.

Appendix B. Notices

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換算係数 : 0

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