

DIGITAL GIGAswitch/Router

Error Reference Manual

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This manual describes the system error messages for the GIGAswitch/Router.

Revision/Update Information: This is a revised document.

Changes

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The Class 1 laser transceivers use an optical feedback loop to maintain Class 1 operation limits. This control loop eliminates the need for maintenance checks or adjustments. The output is factory set, and does not allow any user adjustment. Class 1 Laser transceivers comply with the following safety standards:

- 21 CFR 1040.10 and 1040.11 U.S. Department of Health and Human Services (FDA).
- IEC Publication 825 (International Electrotechnical Commission).
- CENELEC EN 60825 (European Committee for Electrotechnical Standardization).

When operating within their performance limitations, laser transceiver output meets the Class 1 accessible emission limit of all three standards. Class 1 levels of laser radiation are not considered hazardous.

Laser Radiation and Connectors

When the connector is in place, all laser radiation remains within the fiber. The maximum amount of radiant power exiting the fiber (under normal conditions) is -12.6 dBm or 55×10^{-6} watts.

Removing the optical connector from the transceiver allows laser radiation to emit directly from the optical port. The maximum radiance from the optical port (under worst case conditions) is 0.8 W cm^{-2} or $8 \times 10^3 \text{ W m}^{-2} \text{ sr}^{-1}$.

Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. When viewing the output optical port, power must be removed from the network adapter.

DECLARATION OF CONFORMITY

Application of Council Directive(s):	89/336/EEC 73/23/EEC
Manufacturer's Name:	Cabletron Systems, Inc.
Manufacturer's Address:	35 Industrial Way PO Box 5005 Rochester, NH 03867
European Representative Name:	Mr. J. Solari
European Representative Address:	Cabletron Systems Limited Nexus House, Newbury Business Park London Road, Newbury Berkshire RG13 2PZ, England
Conformance to Directive(s)/Product Standards:	EC Directive 89/336/EEC EC Directive 73/23/EEC EN 55022 EN 50082-1 EN 60950
Equipment Type/Environment:	Networking Equipment, for use in a Commercial or Light Industrial Environment.

We the undersigned, hereby declare, under our sole responsibility, that the equipment packaged with this notice conforms to the above directives.

Manufacturer	Legal Representative in Europe
Mr. Ronald Fotino	Mr. J. Solari
Full Name	Full Name
Principal Compliance Engineer	Managing Director - E.M.E.A.
Title	Title
Rochester, NH, USA	Newbury, Berkshire, England
Location	Location

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Preface

This guide lists and describes the system error messages for the DIGITAL[®] GIGAswitch[™]/Router (GSR). The system software sends these messages to the console during operation. Some of the generated messages are for informational purposes only and do not require action. Other messages indicate a caution or error condition that may require action.

Reading GSR System Error Messages

Each system error message begins with a percent sign and has the following format:

`%<facility>-<severity>-<description> <message text>`

where:

- `<facility>` is a code consisting of uppercase letters that indicates the facility to which the error message refers. [Table 1](#) lists the facility codes.
- `<severity>` is a single-letter code indicating the severity of the error condition. There are four severity levels:
 - **I** – informational message (least severe)
 - **W** – warning condition
 - **E** – error condition
 - **F** – fatal error (most severe)
- `<description>` is a code consisting of uppercase letters that identifies the error message.
- `<message text>` is a text string that briefly describes the error condition.

Note: You do not need to respond to informational messages.

How To Use this Book

Each chapter in this book lists and describes the messages generated by the different system facilities. There is one chapter for each system facility. Within each chapter, messages are grouped by severity and alphabetized.

The description of each message contains an explanation and a recommended course of action for responding to it. If the message recurs after you take the recommended action, call DIGITAL Technical Support.

The following table lists the GSR facility codes and the page where error messages generated by the facility are described.

Table 1. Facility Codes

Code	Facility	Page
ACL	Access Control List	1
AGGRGEN	Aggregate Generation	7
AUTH	Authentication	13
BGP	Border Gateway Protocol	17
CLI	Command Line Interface	35
CONFIG	Configuration Edit	57
CONS	Console	63
DHCP	Dynamic Host Configuration Protocol	69
DVMRP	Distance Vector Multicast Routing Protocol	73
ETH	10Base-T Ethernet Driver	79
GATED	Gated Parent	83
HBT	Control Module Heartbeat	93
IGMP	Internet Group Membership Protocol	101
INTERFACE	Interface configuration	103
IP	IP Stack	117
IPHELPER	IP Helper and BOOTP/DHCP Relay Agent	121
IPC	IPC Facility for WAN	125
IPX	IPX Protocol	127
L2TM	Level 2 Table Manager	133

Table 1. Facility Codes (Continued)

Code	Facility	Page
L3AGE	Level 3 aging	143
LFAP	Lightweight Flow Accounting Protocol	145
LOADBAL	Load Balancing	149
MT	Multicast Traceroute	163
MULTICAST	Multicast “Parent”	169
NAT	Network Address Translation	171
NETSTAT	Netstat	187
NI	Network Interface Driver	189
NTP	Network Time Protocol	193
OSPF	Open Shortest Path First	197
PBR	IP Policy	215
PING	Ping	221
POLICY	POLICY	223
QOS	Quality of Service priority	239
RL	Rate Limit	245
RCP	RCP	249
RDISC	Router Discovery Protocol	257
RES	Resolver	263
RIP	Routing Information Protocol	267
RMON	Remote Network Monitoring	271
SERIAL	Serial Interfaces	283
STRNK	SmartTRUNK	301
SNMP	Simple Network Management Protocol	307
STATIC	STATIC	311
STP	STP	315
SYS	Operating System	321
SYSLOG	System Log	347
TELNET	Telnet Server	349

Table 1. Facility Codes (Continued)

Code	Facility	Page
TFTP	Trivial File Transfer Protocol	351
TR	Traceroute	355
UNICAST	Unicast	357
VLAN	VLAN	363
VRRP	IP Redundancy	373
WAN	Wide Area Network	385
WC	Web Cache	387

Correspondence

Documentation Comments

If you have comments or suggestions about this manual, send them to the DIGITAL Network Products Organization.

Attn.: Documentation Project Manager
E-MAIL: doc_quality@lkg.mts.dec.com

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To locate product-specific information, refer to the DIGITAL Network Products Home Page on the World Wide Web located at the following addresses:

Americas: <http://www.networks.digital.com>
Europe: <http://www.networks.europe.digital.com>
Asia Pacific: <http://www.networks.digital.com.au>

Getting Help

To expedite your inquiry when you contact your DIGITAL representative, please provide the following information:

- Your Name
- Your Company Name
- Address
- Email Address
- Phone Number
- FAX Number
- Detailed description of the issue (including history, what you've tried, and conditions under which you see this occur)
- Hardware module number, software version, and switch configuration (that is, what part types are in what slots)

Chapter 1

Layer 3 Access Control List (ACL) Error Messages

This chapter describes the error messages for the Layer 3 Access Control List (ACL) facility.

Informational Messages

%ACL-I-NOACL No ACL applied to interface <interface_name>

Explanation:

The user is trying to see if an ACL is applied to a specific interface. This message indicates that there are no ACLs applied to this interface.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NONE No ACL applied to any services

Explanation:

There is no Service ACL applied to any services on the GSR.

Recommended Action:

Informational Message. No action necessary

%ACL-I-NOCHANGE No change was made, exiting...

Explanation:

The user is attempting to use the **save** command in the ACL editor but no change has been made.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NOALL No ACL applied to all IP interfaces.

Explanation:

There is no ACL that is applied to all IP interfaces.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NOALL No ACL applied to all IPX interfaces.

Explanation:

There is no ACL that is applied to all IPX interfaces.

Recommended Action:

Informational Message. No action necessary.

%ACL_LOG-I-DEFAULT DENY ACL [<acl_name>] on "<interface_name>" ...

Explanation:

This ACL Logging message shows that a packet doesn't match any of the rules specified in this ACL. As a result, the packet is denied because of the implicit deny rule.

Recommended Action:

Informational Message. No action necessary.

%ACL_LOG-I-DENY ACL [<number>] on "<interface_name>" ...

Explanation:

This ACL Logging message shows that a particular packet is denied because it matches a rule in the specified ACL.

Recommended Action:

Informational Message. No action necessary.

%ACL_LOG-I-PERMIT ACL [<number>] on "<interface_name>" ...

Explanation:

This ACL Logging message shows that a particular packet is permitted because it matches a rule in the specified ACL.

Recommended Action:

Informational Message. No action necessary.

Error Messages

%ACL-E-ALREADY ACL <ACL_name> is already applied to interface <interface_name>.

Explanation:

The user is trying to apply an ACL to an interface where this ACL is already applied.

Recommended Action:

None. An ACL can only be applied to the same interface in the same direction once.

%ACL-E-BADACLNAME Unknown or invalid ACL name: <ACL_name>

Explanation:

The user is trying to apply a non-existent ACL to an interface.

Recommended Action:

Create the ACL first before applying it to the interface.

%ACL-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the ACL system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%ACL-E-IFNOTFOUND <interface_name>: no such interface.

Explanation:

The user is trying to apply an ACL to a non-existent interface.

Recommended Action:

Create the interface first before applying the ACL.

%ACL-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when network load exceeds system capacity.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%ACL-E-NOMODIFYACL is currently in use at interface <interface_name>. Please use the ACL Editor to edit this ACL.

Explanation:

The user is trying to modify an ACL that is currently applied to an interface.

Recommended Action:

To modify an ACL that is currently applied to an interface, there are two ways you can do it. One way is to “detach” the ACL from the interface first before modifying the ACL. You can do so by negating the corresponding **acl apply** command. The second, simpler method is to use the ACL Editor. Using the ACL Editor, you can make changes to an ACL that is currently applied. When you exit and save the modified ACL, the changes take effect immediately.

%ACL-E-NOSUCHRULEUnable to find specified ACL rule; possibly deleted by another configuration task.

Explanation:

The ACL that you are trying to use does not exist. This message only occurs in the rare situation where someone deleted the ACL as you try to use it.

Recommended Action:

Re-create the ACL that you want to use.

%ACL-E-SAMEPROTOAnother ACL (<ACL_name>) for <interface_name> has already been applied to this interface.

Explanation:

Another ACL for the same protocol has already been applied to this interface in the same direction (input or output). You cannot apply a second ACL for the same protocol to the same interface in the same direction. For example, you can only apply one IP ACL to an IP interface in the inbound direction. You can apply a second IP ACL to the same IP interface if it is applied in the outbound direction but not if they apply to the same direction. This approach is chosen to avoid confusion as to which ACL should have precedence over other ACLs in the event that none of the rules in an ACL matches the packet.

Recommended Action:

If it is necessary to have the rules from two different ACLs applied to an interface, you need to combine the rules from the two ACLs into one ACL and apply that to the interface.

%ACL-E-WRONGACLYou can only add rules to ACL '<ACL_name>' in this editing session.

Explanation:

Inside the ACL Editor, the user is attempting to add rules to a different ACL.

Recommended Action:

None. When you edit an ACL in the ACL Editor, you can only add rules to the ACL that you are editing. For example, you cannot add rules to ACL 110 when you are editing ACL 100.

%ACL-E-WRONGPROTOCOLACL <ACL_name> is currently defined for <protocol_type>.

Explanation:

The user is trying to specify an ACL rule that is of a different protocol family than the ones that are currently in this ACL. For example, this message can occur if the user is trying to add an IPX ACL rule to an IP ACL or vice versa.

Recommended Action:

None. The rules in an ACL must all belong to the same protocol family.

Chapter 2

AGGRGEN Error Messages

This chapter describes the error messages for the AGGRGEN facility.

Error Messages

%AGGRGEN-E-DSTIDEXIST Aggr-Gen destination *<name>* already exists.

Explanation:

This message appears when the identifier (tag) assigned to a new aggr-gen-dest CLI command is already being used.

Recommended Action:

Use a different (unique) identifier (number or string)

%AGGRGEN-E-DSTNOTFOUND Aggr-Gen destination *<name>* not found.

Explanation:

This message appears when the “destination” parameter in the **aggr-gen** CLI command is invalid.

Recommended Action:

Correct the destination parameter name.

%AGGRGEN-E-DSTOVFL No more free aggr-gen destination (max <number> cur <number>)

Explanation:

This message appears when the maximum number of “aggregate-generation destination” entries has been reached.

Recommended Action:

If possible, negate unused aggr-gen-dest commands.

%AGGRGEN-E-FLTRDSRCINUSE Filtered source at index <number> within aggr-gen route <number> is in use.

Explanation:

This error message appears when the user attempts to specify an index number within the aggregate-generation route that is already in use.

Recommended Action:

Specify a different index number within this aggregate-generation.

%AGGRGEN-E-FLTRDSRCNEX Sources with id <number> not found in aggr-gen route with destination <number>

Explanation:

This error message is displayed when the user attempts to specify a source or sources in the aggregate-generation route that could not be found.

Recommended Action:

Specify a different source or sources for the given aggregate-generation route.

%AGGRGEN-E-FILTRDSRCOVFL No more free sources for aggr-gen (max <number> current <number>).

Explanation:

This message appears when the maximum number of source entries associated with an aggr-gen command has been reached.

Recommended Action:

If possible, negate unused aggr-gen commands.

%AGGRGEN-E-INVFLTRDSRCIDX Invalid filtered-source index (max <number> index <number>)

Explanation:

This error message is displayed when the user attempts to specify an invalid value for the filtered-source index.

Recommended Action:

Specify a different source index number that falls within the range of acceptable values.

%AGGRGEN-E-INVROUTEIDX Invalid route index (max <number> index <number>)

Explanation:

This error message is displayed when the user attempts to specify an invalid value for the route index.

Recommended Action:

Specify a different route index number that falls within the range of acceptable values.

%AGGRGEN-E-INVSR CFLTRIDX Invalid source-filter index (max <number> index <number>)

Explanation:

This error message is displayed when the user attempts to specify an invalid value for the source-filter index.

Recommended Action:

Specify a different source-filter index number that falls within the range of acceptable values.

%AGGRGEN-E-ROUTEINUSE Aggr-Gen route at index (<number>) is in use

Explanation:

This error message is displayed when the user attempts to specify an aggregate-generation route index that is already in use.

Recommended Action:

Specify a different aggregate-generation route index value.

%AGGRGEN-E-ROUTENOTFOUND Aggregate-Generation <number> is not found

Explanation:

This error message is displayed when the user attempts to specify an undefined aggregate-generation number.

Recommended Action:

Specify a different aggregate-generation number and try again.

%AGGRGEN-E-ROUTEOVFL No more free aggr-gens (max <number> current <number>).

Explanation:

This message appears when the maximum number of aggregate policies (aggr-gens) has been reached.

Recommended Action:

If possible, negate unused aggregate-generations and try again.

%AGGRGEN-E-RTEFLTNOTFOUND Aggr-gen (with destination <number> source <number> filter <number>) not found.

Explanation:

This error message is displayed when the user specifies an undefined aggregate-generation.

Recommended Action:

Ensure that you have not entered inappropriate information, or specify another aggregate-generation.

%AGGRGEN-E-SRCFLTROVFL No more free route filters for this aggr-gen source max <number> current <number>

Explanation:

This message appears when the maximum number of filters/networks corresponding to an aggregate policy (aggr-gen) has been reached.

Recommended Action:

If possible, negate unused filters/networks.

%AGGRGEN-E-SRCIDEXIST Aggr-Gen source <name> already exists.**Explanation:**

This message appears when the identifier (tag) assigned to a new aggr-gen-source CLI command is already being used.

Recommended Action:

Use a different (unique) identifier (number or string)

%AGGRGEN-E-SRCNOTFOUND Aggr-Gen source <name> not found.**Explanation:**

This message appears when the “source” parameter in the **aggr-gen** CLI command is invalid.

Recommended Action:

Correct the source parameter name.

%AGGRGEN-E-SRCOVFLNo more free aggr-gen sources max <number> current <number>.**Explanation:**

This message appears when the maximum number of “aggregate-generation source” entries has been reached.

Recommended Action:

If possible, negate unused aggr-gen-source commands.

Fatal Errors

%AGGRGEN-F-IOCTL ioctl(<number>) failed, errno = <number>**Explanation:**

System resources are limited and the AGGRGEN request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 3

Authentication Error Messages

This chapter describes the error messages for the Authentication facility.

Error Messages

%AUTH-E-CHAINIDEXIST Key-Chain <key-chain_name> already exists.

Explanation:

This message appears when a newly created key-chain has the same id as a previously configured key-chain.

Recommended Action:

Change the name/id of the new key-chain.

%AUTH-E-CHAINNOTFOUND Key-Chain with id <id_name> not found.

Explanation:

This message appears when the key-chain identifier specified is invalid.

Recommended Action:

Use a valid key-chain id while defining an authentication method.

%AUTH-E-CHAINNOTSPEC Authentication method requires key-chain identifier.

Explanation:

This message appears when authentication method requires key-chain identifier.

Recommended Action:

Create a key-chain and refer to it when defining an authentication method.

%AUTH-E-CHAINOVFL No more free key-chains max <number> current <number>

Explanation:

This message appears when the maximum number of unique key-chains has been reached.

Recommended Action:

If possible, negate some of the **authentication create key-chain** commands.

%AUTH-E-KEYEXISTS Key <key_name> exists in chain <key-chain_name>.

Explanation:

This message appears when a new key has been added to a previously created key-chain. The new key is a duplicate of another key.

Recommended Action:

Make sure that the new key is unique.

%AUTH-E-KEYOVFL No more free keys max <number> current <number> in chain <key-chain_name>

Explanation:

This message appears when the maximum number of keys that can be attached to a key-chain has been reached.

Recommended Action:

If possible, remove some keys from the key-chain.

%AUTH-E-KEYNOTFOUND Key <key_name> not found in chain <key-chain_name>.

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, please contact DIGITAL Technical Support.

%AUTH-E-NUMOFCHAINERR Numof chains mismatch (max <number> cur <number>).

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, please contact DIGITAL Technical Support.

%AUTH-E-NUMOFKEYERRNumof keys mismatch (max <number> cur <number>) in chain <key-chain_name>.

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, please contact DIGITAL Technical Support.

Chapter 4

BGP Error Messages

This chapter describes the error messages for the Border Gateway Protocol (BGP) facility.

Informational Messages

**%BGP-I-ASPATHIGN Entered AS path specification ignored.
All AS paths would be displayed.**

Explanation:

AS path specification is not entered correctly. Enter the correct AS path specification.

Recommended Action:

Informational message. No action required.

%BGP-I-STARTED BGP service started

Explanation:

BGP Service is started.

Recommended Action:

Informational message. No action required.

%BGP-I-TERMINATED BGP service terminated

Explanation:

BGP Service is terminated.

Recommended Action:

Informational message. No action required.

Warning Messages

%BGP-W-MAXFLAP max-flap metric must be greater than the larger of 1 and suppress-above metric

Explanation:

The *max-flap* metric must be both greater than 1 and greater than the *suppress-above* metric. The default value of *max-flap* metric is 16 and the default value of *suppress-above* metric is 3.

Recommended Action:

No action required.

%BGP-W-NOTRUNNING BGP service is currently not running

Explanation:

BGP Service is not currently started. Use `bgp start` command to start the BGP Service.

Recommended Action:

No action required.

%BGP-W-REUSEBELOW Reuse-below metric must be less than suppress-above metric

Explanation:

The *reuse-below* metric must be less than the *suppress-above* metric. The default value of the *reuse-below* metric is 2 and the default value of the *suppress-above* metric is 3.

Recommended Action:

No action required.

%BGP-W-STARTED_ALRDY BGP service started already

Explanation:

BGP Service is already started.

Recommended Action:

No action required.

%BGP-W-UNREACHDECAY Unreach-decay time should be greater than or equal to reach-decay time

Explanation:

The *Unreach-decay* time must be greater than or equal to the *Reach-decay* time. The default value of *Unreach-decay* time is 900 and the default value of *Reach-decay* time is 300.

Recommended Action:

No action required.

Error Messages

%BGP-E-ATTRLISTNOTFOUND Attribute list with id <name> not found

Explanation:

The optional attribute list with the specified name could not be found.

Recommended Action:

Check the name for typo or define the optional attribute list with that name.

%BGP-E-BADBGPVERIGP BGP peers of type IGP must run version 3 or better

Explanation:

BGP peers of type IGP must run version 3 or better.

Recommended Action:

Change the version for the IGP Peer to be version 3 or better.

%BGP-E-BADBGPVERIGPH Internal BGP peer associated with IGP must run at version 3 or better

Explanation:

IGP Peering can only be done with hosts configured for BGP version 3.0 or higher.

Recommended Action:

Run BGP version 3.0 or higher for those peer.

%BGP-E-BADBGPVERRRF Route Reflection Clients must use BGP version 4 or better

Explanation:

Route Reflection only works with peers configured for BGP version 4.

Recommended Action:

Use BGP version 4 for the specified group if need to use route reflection client feature.

%BGP-E-BADCLUSTID Clusterid may not be 0.0.0.0

Explanation:

The Cluster identification cannot be 0.0.0.0.

Recommended Action:

Change the Cluster identification to something other than 0.0.0.0.

%BGP-E-BADEXTSTPRFGR Setpref can only be used with Internal, IGP, or Routing groups not with external group <name>

Explanation:

The *setpref* metric should only be configured for internal, igp or routing group.

Recommended Action:

Remove the *setpref* metric from the external group.

%BGP-E-BADEXTBGPRRF Only Internal, IGP or Routing groups may be route reflection clients. <name> is an external group.**Explanation:**

External groups cannot be route reflection clients.

Recommended Action:

Do not use the route reflection feature on named external group.

%BGP-E-BADEXTSTPRFHS Setpref can only be used with Internal, IGP or Routing host not with external host <name>.**Explanation:**

Set-Pref option can only be used for Internal, routing or IGP host.

Recommended Action:

Since the peer-host belongs to the external group remove the Set-Pref Option.

%BGP-E-BADHOLDTIMEGR Holdtime <number> for BGP group <name> is less than the minimum permitted time of <number>**Explanation:**

Hold time is less than the minimum permitted.

Recommended Action:

Change the value of the configured holdtime to greater than the minimum permitted.

%BGP-E-BADHOLDTIMEHS Holdtime <number> for BGP peer <name> is less than the minimum permitted time of <number>**Explanation:**

Hold time for the named BGP peer is configured less than the minimum allowed.

Recommended Action:

Change the hold-time for the BGP Peer so that it is configured to be higher than the minimum allowed.

%BGP-E-BADHSTGROUPAS Local AS number (<number>) used for BGP peer must be that of the group (<name>)

Explanation:

The Local AS number used for the BGP Peer must be the same as that used for the group.

Recommended Action:

Make the local AS of the peer-host to be the same as that of the group.

%BGP-E-BADHSTSETPREF Set-Pref option for internal peer host should be the same as used in the group declaration

Explanation:

Set-Pref setting for the internal, routing or IGP peer should be the same as that used for the group.

Recommended Action:

Change the Set-Pref setting for the specified group and peer host so that they are equal.

%BGP-E-BADLOCALADDR Local-address option for internal peer host should be the same as used in the group declaration

Explanation:

Local Address setting for the internal, routing or IGP peer should be the same as that used for the group.

Recommended Action:

Change the peer-host and the peer-group local address setting so that they are equal.

%BGP-E-BADMETRICOUT metricout option for internal peer host should be the same as used in the group declaration

Explanation:

Metricout setting for the specified internal, routing or IGP peer host should be the same as that used for the group.

Recommended Action:

Change the peer-host and the peer-group metricout setting so that they are equal.

%BGP-E-BADOUTDELAY Outdelay option for internal peer host should be the same as used in the group declaration**Explanation:**

Out delay option for the internal, routing or IGP peer should be the same as that used for the group.

Recommended Action:

Change the peer-host and the peer-group out delay setting so that they are equal.

%BGP-E-BADPROTOVAL Protocol may only be used for internal routing groups**Explanation:**

An IGP protocol needs to be specified for routing group only.

Recommended Action:

Do not specify the IGP for the specified group.

%BGP-E-BADSETPREF if SetPref is set on one internal peer group, it must be set on all internal peer groups. SetPref is not configured for <name> group.**Explanation:**

If SetPref setting is used for one internal group it should be used for all internal groups.

Recommended Action:

Configure a SetPref metric for the specified group.

%BGP-E-EXTASSAME The peeras <number> for external-type group match AS <number> of router**Explanation:**

The peer AS (peer's autonomous system) of the specified external-type group should not match the AS of this router.

Recommended Action:

Change the peer AS of the external-type group so that it does not match the AS of this router.

%BGP-E-EXTLOCASSAME The local as *<number>* for external group should not match peer AS *<number>*

Explanation:

The local AS (local autonomous system) of the specified external group should not match the peer AS.

Recommended Action:

Change the peer AS to be different from the local AS of the specified group.

%BGP-E-GROUPIDEXISTS Group with id *<name>* also has type *<name>* and as *<number>*

Explanation:

The specified group already exists.

Recommended Action:

Use some other name while creating a group.

%BGP-E-GROUPNOTFOUND Group with id *<name>* not found

Explanation:

The specified group could not be found.

Recommended Action:

The group name may be typed incorrectly. If not, create a group of that name.

%BGP-E-GROUPOVFL No more free groups max *<number>* current *<number>*

Explanation:

The number of configured groups is more than the one allowed.

Recommended Action:

Call Technical Support and express the need for supporting more groups.

%BGP-E-HNETNOTFOUND <name> is not a known host-network in area <name>**Explanation:**

The specified peer host is not found in the specified peer group.

Recommended Action:

The peer-host or the peer-group may be mistakenly associated with each other. Correct the association.

%BGP-E-HOSTIDEXISTS Host with Id <name> exists in group <name>**Explanation:**

Peer-host with the same ip address already exists in the group.

Recommended Action:

Either create a peer-host with a different IP address or use the already created peer-host.

%BGP-E-HOSTOVFL No more free hosts max <number> current <number>**Explanation:**

No more than the specified number of peer-hosts can be configured.

Recommended Action:

If you need support for more hosts, then call DIGITAL Technical Support.

%BGP-E-HSTNOTFNDALLGR Peer host <name> not found in any group.**Explanation:**

The specified peer host is not found in any peer groups.

Recommended Action:

The peer-host may be identified incorrectly. Input the correct peer-host.

%BGP-E-INTASNOTSAME The peeras <number> for Internal, IGP or Routing group does not match AS <number> of router

Explanation:

The peer AS (peer's autonomous system) for the specified internal, IGP, or routing group does not match that of the router.

Recommended Action:

Change the peer AS of the specified internal, IGP, or routing group to this router's AS.

%BGP-E-INVCFG BGP cannot run because of invalid configuration

Explanation:

An invalid BGP configuration was given to the GSR. Therefore BGP cannot run.

Recommended Action:

Correct the Errors in the configuration and submit the configuration to the router.

%BGP-E-LOCASNOTSAME The local as <number> for Internal, IGP, or routing group does not match peer AS <number>

Explanation:

The local AS (local autonomous system) number for the internal, IGP, or routing group does not match the peer AS.

Recommended Action:

Change the peer AS to the same value as local AS.

%BGP-E-MAXFLAP max-flap metric must be greater than the larger of 1 and suppress-above metric

Explanation:

The *max-flap* metric must be larger of 1 and the *suppress-above* metric.

Recommended Action:

Set the *max-flap* metric to be larger of 1 and the *suppress-above* metric. The default value of the *max-flap* metric is 16 and the default value of the *suppress-above* metric is 3.

%BGP-E-MAXPEERSGRP No more free hosts max <number> current <number>**Explanation:**

No more than the specified number of peer-hosts can be configured.

Recommended Action:

If you need support for more hosts, then call DIGITAL Technical Support.

%BGP-E-MAXPEERSRTR No more free hosts max <number> current <number>**Explanation:**

No more than the specified number of peer-hosts can be configured.

Recommended Action:

If you need support for more hosts, then call DIGITAL Technical Support.

%BGP-E-NETEXISTS Network <name> exists in group <name>**Explanation:**

The specified network number already exists for the group.

Recommended Action:

Remove the specified network number from the configuration.

%BGP-E-NETNOTFOUND Network <name> is not a known network for peer-group <name>**Explanation:**

The specified network number is not found in the specified peer-group.

Recommended Action:

Either the network number is associated incorrectly for the peer-group, or the network is not configured for the peer-group. If the network is not configured, then configure the network for the peer-group.

%BGP-E-NETOVFL No more free networks max <number> current <number>

Explanation:

The number of networks configured for the peer-group exceed the maximum allowed.

Recommended Action:

If you need support for more networks, then call DIGITAL Technical Support.

%BGP-E-NOASCONFIG No autonomous system is specified

Explanation:

No autonomous system was specified.

Recommended Action:

Specify the autonomous system using the ip-router global set autonomous-system command.

%BGP-E-NOASCNTUSEGR AS-Count can only be used with external group. <name> is not an external group.

Explanation:

AS-count setting can only be used with an external group.

Recommended Action:

Remove the AS-count setting for the specified non-external group.

%BGP-E-NOASCNTUSEHS AS-Count can only be used with external host. <name> is not a external host.

Explanation:

AS-count option can only be used for external peer-host. The specified peer-host does not belong to group type external.

Recommended Action:

Remove the AS-count Setting.

%BGP-E-NOLEGALPEERS BGP group <name> has no legal peers configured or an allowed networks list for it.**Explanation:**

The specified BGP group has neither any legal peer configured for it nor any allowed legal networks. A legal peer or network is one which does not have any configuration error.

Recommended Action:

Configure a peer or an allowed network without any configuration error.

%BGP-E-NOLEGALGRPS No legal groups configured.**Explanation:**

No legal groups (i.e. groups without configuration errors) found, therefore BGP cannot be started.

Recommended Action:

Configure a group without configuration errors.

%BGP-E-NONXTHOPUSEGR Next-Hop-Self can only be used with external group. <name> is not an external group.**Explanation:**

Next-hop-self setting can only be used with an external group.

Recommended Action:

Remove the next-hop-self setting for the specified non-external group.

%BGP-E-NONXTHOPUSEHS Next-Hop-Self can only be used with external host. <name> is not a external host.**Explanation:**

Next-hop-self option can only be used for external peer-host. The specified peer-host does not belong to group type external.

Recommended Action:

Remove the next-hop-self Setting.

%BGP-E-NOPEERORNET BGP group has neither configured peers or an allow list: invalid configuration

Explanation:

The BGP group has neither configured peer nor an allow list.

Recommended Action:

Configure a peer using `bgp add peer-host` command or an allowed network using `bgp add network` command.

%BGP-E-NORTRIDCFGD No router-id has been configured for the router

Explanation:

No Router-id has been configured for the router.

Recommended Action:

Specify the router-id using `ip-router global set router-id` command.

%BGP-E-NOSUCHTASK BGP Task does not exist

Explanation:

BGP is not running.

Recommended Action:

BGP can be started by using `BGP Start` command.

%BGP-E-NUMOFGROUPERR Number of groups mismatch (max <number> cur <number>)

Explanation:

There is a mismatch in the internal group data structures.

Recommended Action:

Call Technical Support.

%BGP-E-NUMOFHOSTERR Number of hosts mismatch (max <number> cur <number>) in group <name>**Explanation:**

There is a mismatch in the internal peer-host data structures.

Recommended Action:

Call Technical Support.

%BGP-E-NUMOFNETERR Number of net mismatch (max <number> cur <number>) in group <name>**Explanation:**

There is a mismatch in the internal network data structures.

Recommended Action:

Call Technical Support.

%BGP-E-OBJMISS BGP object to be displayed must be specified**Explanation:**

BGP object has not yet been specified.

Recommended Action:

Specify the BGP object.

%BGP-E-PEERIDSAME Peer router-id (<name>) is the same as that of the router**Explanation:**

The Peer host address is the same as this router's ID.

Recommended Action:

Either change the peer-host address or change this router's ID so that they are different.

%BGP-E-PROTONOTCFG IGP protocol must be specified for internal routing group. No protocol is specified for group <name>.

Explanation:

An IGP protocol is not specified for the specified internal routing group.

Recommended Action:

Specify an IGP protocol for the specified internal routing group.

%BGP-E-PROTONOTCFGED Proto option should be specified for group types IGP and Routing

Explanation:

The protocol option is not configured for group types IGP or routing.

Recommended Action:

Protocol should be configured for group types routing and IGP. Please configure the protocol for the peer-group.

%BGP-E-REUSEBELOW reuse-below metric must be less than suppress-above metric

Explanation:

The *reuse-below* metric must be less than the *suppress-above* metric.

Recommended Action:

Set the *reuse-below* metric to be less than the *suppress-above* metric. The default value of the *reuse-below* metric is 2 and the default value of the *suppress-above* metric is 3.

%BGP-E-SAMEGROUP at least as, type rrclient, or localas should be different between groups <name> and <name>

Explanation:

Either AS or type or rrclient or local AS should be different between two groups.

Recommended Action:

Configure either AS, type, rrclient or local AS differently for the specified groups.

%BGP-E-TSKDELETED BGP Task is in deleted state (flags = <hex value>)**Explanation:**

BGP Task is in deleted State.

Recommended Action:

Reboot the system. Call Technical Support.

%BGP-E-UNREACHDECAY Unreach-decay time should be greater than or equal to reach-decay time**Explanation:**

The *Unreach-decay* time must be greater than or equal to the *Reach-decay* time.

Recommended Action:

Set the *Unreach-decay* time to be greater than or equal to the *Reach-decay* time. The default value of *Unreach-decay* time is 900 and the default value of *Reach-decay* time is 300.

%BGP-E-ZEROGRPCFGED No groups configured**Explanation:**

There are no groups configured for BGP. At least one group and a peer-host should be configured.

Recommended Action:

Configure at least one group for BGP using `bgp create peer-group` command.

%BGP-E-ZEROPEERS BGP group <name> has neither configured peers or an allowed networks list**Explanation:**

The said BGP group has neither any peer configured for it nor any allowed networks.

Recommended Action:

Configure a peer using the `bgp add peer-host` command or an allowed network using the `bgp add network` command.

Chapter 5

CLI Error Messages

This chapter describes the error messages for the Command Line Interface facility.

Warning Messages

%CLI-W-CHANGES Uncommitted configuration changes exist.

Explanation:

The user is attempting to log off or exit but there are non-committed configuration changes in the scratchpad.

Recommended Action:

If you want to commit those changes, you should abort the log off and commit your changes.

%CLI-W-INTRUNK port '<portname>' is part of SmartTRUNK '<name>'

Explanation:

This warning message is alerting the user to the fact that the specified port belongs to a SmartTRUNK. Depending on the operation of the command, this may or may not be allowed.

Recommended Action:

Make sure you really want to execute this command on a port that belongs to a SmartTRUNK.

%CLI-W-MODNOTFOUND <Module_name>: module '<number>' does not exist - ignoring

Explanation:

The user is referring to a physical module that is not currently available on the system. This warning message indicates that the command the user specified will not have an effect on the module since the module doesn't exist.

Recommended Action:

Verify physical module exists in GSR before attempting to configure the specified module.

%CLI-W-NOHISTENT non-existent history entry '<command_name>'

Explanation:

The user tried to recall a command that doesn't exist in the command history buffer.

Recommended Action:

Check command and re-enter.

%CLI-W-PORTBAD Port '<port_name>' failed self-test - ignoring

Explanation:

During system initialization, this message is displayed if a particular port failed the self-test. The failed port is ignored.

Recommended Action:

Contact DIGITAL Technical Support. You may have a bad port on one of your modules.

%CLI-W-PORTNOTFOUND port '<port_name>' does not exist - ignoring

Explanation:

The user is referring to a port on a module that is not currently available on the system. This is simply a warning message indicating that the command the user specified will not have an effect on the port since the module doesn't exist.

Recommended Action:

Verify that the port exists in the GSR before attempting to configure the specified port.

Error Messages

%CLI-E-BADIFNAME Illegal interface name: "<interface_name>" is a reserved keyword

Explanation:

This error message appears when the user attempts to use a reserved keyword as an interface name. The reserved keywords are "default" and "all."

Recommended Action:

Specify a different name for the given interface.

%CLI-E-BADMCASTADDR Multicast address required: '<IP_address>'

Explanation:

The command requires a multicast address as a parameter but the user entered a non-multicast address.

Recommended Action:

Specify a multicast address.

%CLI-E-BADNAME Illegal name: '<Hostname>', use alphanumeric and dash '-' only

Explanation:

An illegal hostname is specified. The name can have alphanumerics and dashes only.

Recommended Action:

Specify a valid hostname with alphanumerics and dashes only.

%CLI-E-BADNAME2 Illegal name: '<Hostname>', use alphanumeric, h '-', and '_' only

Explanation:

An illegal name is specified. The name can have alphanumerics, dashes and underscores only.

Recommended Action:

Specify a valid name with alphanumerics, dashes and underscores only.

%CLI-E-BADOPTCOMBO options '<option_name>' and '<option_name>' may not be used together

Explanation:

The two options are mutually exclusive and may not be used together.

Recommended Action:

Verify options and re-enter command.

%CLI-E-BADUNIADDR Unicast address required: '<IP_address>'

Explanation:

The command requires an IP unicast address as a parameter but the user entered a non-unicast address, for example, a multicast address.

Recommended Action:

Specify a unicast address.

%CLI-E-CMDEXECUTE error during command execution

Explanation:

An error occurred when the configuration command was executed.

Recommended Action:

Another error follows this error message which indicates the actual cause of the error. Examine the subsequent error message and fix the problem accordingly.

%CLI-E-CMDUNKNWN unknown or ambiguous command '<command_name>'

Explanation:

The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:

Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

**%CLI-E-COMPUNKNWN unknown or ambiguous facility component
'<command_name>'****Explanation:**

The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:

Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

%CLI-E-FACADD error adding facility '<name>'**Explanation:**

System resources are limited and the CLI system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

**%CLI-E-FACUNKNWN unknown or ambiguous facility
'<command_name>'****Explanation:**

The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:

Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

%CLI-E-FAILED Execution failed for "<command_name>"**Explanation:**

An error occurred when the specified command was executed.

Recommended Action:

Another error follows this error message which indicates the actual cause of the error. Examine the subsequent error message and fix the problem accordingly.

%CLI-E-HISTNOMEM error adding to history file - insufficient memory

Explanation:

Insufficient memory for command history file.

Recommended Action:

System resources are limited. Upgrade memory size. If problem persists, contact DIGITAL Technical Support.

%CLI-E-HOSTBITS Host portion of IP address not zero: '<IP_address>'

Explanation:

When the specified IP address is ANDed with the specified netmask, the host portion of the address is not 0. The command that you just executed expects the host portion of the address to be 0.

Recommended Action:

Specify an IP address with the network portion of the address that matches the specified netmask. For example, 1.2.3.4/24 is not valid but 1.2.3.0/24 is.

%CLI-E-INCMPCMD incomplete command - aborting

Explanation:

The command is incomplete. It is either missing a parameter value or a required option.

Recommended Action:

Specify a complete command with the missing parameter.

%CLI-E-INCMPQUOTE unterminated quote - missing terminating (")

Explanation:

A string in quotes is missing the terminating quote.

Recommended Action:

Re-enter the command with the terminating quote.

%CLI-E-IVADDR invalid memory address '<memory_address>'**Explanation:**

An invalid memory address is specified. A memory address must be a non-negative number.

Recommended Action:

Specify a valid memory address.

**%CLI-E-IVADDRLIST invalid memory address list
'<memory_address>'****Explanation:**

One or more addresses in the memory address list is invalid. A memory address must be a non-negative number.

Recommended Action:

Specify a valid memory address.

**%CLI-E-IVCHANNEL invalid or unoccupied channel number specified:
'<channel_number>'****Explanation:**

The user specified a channel that doesn't exist or is not occupied.

Recommended Action:

Specify a channel that is occupied.

%CLI-E-IVCMD invalid command '<command_name>'**Explanation:**

An invalid command word is specified.

Recommended Action:

Check to make sure that the command exists and that you didn't type in the wrong command.

%CLI-E-IVCONDITIONAL invalid conditional expression '<expression_type>'

Explanation:

You may have specified an invalid conditional expression. A conditional expression must start with a conditional symbol and be followed by a number. The three acceptable conditional symbols are: > (greater than), < (less than) and != (not equal to). For example, these are valid conditional expressions: >1024 (greater than 1024), <1024 (less than 1024) and !=1024 (not equal to 1024).

Recommended Action:

Specify a valid conditional expression.

%CLI-E-IVFACINST invalid facility instance '<parameter_name>'

Explanation:

An invalid parameter is specified.

Recommended Action:

Check to make sure that the parameter you entered agrees with the parameter type and value this command expects.

%CLI-E-IVFLOAT invalid floating point number '<number>'

Explanation:

An invalid floating point number is specified.

Recommended Action:

Enter a valid floating point number.

%CLI-E-IVHEX invalid hexadecimal value '<hex_value>'

Explanation:

An invalid hexadecimal number is specified. Only 0-9 and A-F are valid digits for a hexadecimal number.

Recommended Action:

Specify a valid hexadecimal number.

**%CLI-E-IVIFNAME_IPADDR invalid interface name or IP address
'<IP_address/Interface_name>'****Explanation:**

An invalid interface name or an invalid IP address is specified. Only alphabets, period (.), dash (-) and underscore (_) are allowed in an interface name. In addition, the strings 'default' and 'all' are reserved and cannot be used.

Recommended Action:

Specify a valid interface name or a valid IP address.

**%CLI-E-IVIFNAMES invalid interface name list given:
'<interface_name>'****Explanation:**

One or more specified interface names in the interface name list is invalid. Names in the interface name list must be separated by commas (,) without spaces.

Recommended Action:

Specify a valid interface name list.

%CLI-E-IVIPADDR invalid IP address '<IP_address>'**Explanation:**

An invalid IP address is specified.

Recommended Action:

Specify an IP address of the form x.x.x.x where x must be between 0-255.

%CLI-E-IVIPADDR_MASK invalid IP address or mask '%s'**Explanation:**

You may have specified an IP address and mask pair in which the address and/or mask is invalid. Depending on the command, the mask may be a network mask or filtering mask. The mask can be described using the traditional IP address syntax (255.0.0.0) or a CIDR syntax (/8). For example, the following two parameters are equivalent: 10.1.0.0/255.255.0.0 or 10.1.0.0/16.

Recommended Action:

Specify a valid IP address and mask pair.

%CLI-E-IVIPLIST invalid IP address list '<IP_address>'

Explanation:

An invalid list of IP addresses is specified. If the list has more than one address, then the list must be specified inside quotes. Addresses must be separated by spaces.

Recommended Action:

Specify a valid IP address list.

%CLI-E-IVIPXADDR invalid IPX address '<IPX_address>'

Explanation:

An invalid IPX address is specified. A valid IPX address is a hexadecimal number less than 0xffffffff.

Recommended Action:

Specify a valid IPX address.

%CLI-E-IVIPXADDR_MAC invalid IPX network.node address '<IPX_address>'

Explanation:

An invalid IPX network.node address is specified. The network portion of the address must be a valid IPX address. The node portion of the address must be a valid MAC address. The two components of the address are separated by a period (.) without any spaces between them.

Recommended Action:

Specify a valid IPX address.

%CLI-E-IVLIST invalid list '<command_name>'

Explanation:

Invalid CLI list.

Recommended Action:

Verify CLI list and re-enter command.

%CLI-E-IVMACADDR invalid MAC address '<MAC_address>'

Explanation:

Invalid MAC address.

Recommended Action:

Try again with proper MAC address. Format of MAC address is xx:xx:xx:xx:xx:xx or xxxxxx:xxxxxx.

%CLI-E-IVMASK Non-contiguous mask not allowed

Explanation:

The mask was non-contiguous and this is not allowed.

Recommended Action:

Retry with a continuous mask.

%CLI-E-IVMODRANGE module range '<module_name>' is illegal

Explanation:

Invalid module range.

Recommended Action:

Verify module range and re-enter a valid module range.

%CLI-E-IVNAME_IPADDR invalid hostname or IP address '<IP_address/Hostname>'

Explanation:

Invalid hostname or IP address.

Recommended Action:

Verify IP address is in correct format xxx.xxx.xxx.xxx, or the hostname is valid.

%CLI-E-IVNUMBER invalid numerical value '%s'

Explanation:

Numerical value is not valid.

Recommended Action:

Verify numerical value and re-enter command with valid number.

%CLI-E-IVNUMHILIMIT numerical value '<number>' is higher than acceptable

Explanation:

Numerical value is larger than acceptable.

Recommended Action:

Verify numerical value and re-enter command with valid number.

%CLI-E-IVNUMLOLIMIT numerical value '<number>' is lower than acceptable

Explanation:

Numerical value is smaller than acceptable.

Recommended Action:

Verify numerical value and re-enter command with valid number.

%CLI-E-IVNUMRANGE invalid numerical range '<number>' (e.g. 1,3-5,6,13-25)

Explanation:

Numerical range is not valid.

Recommended Action:

Verify numerical value and re-enter command with valid number.

%CLI-E-IVOBJINST invalid object instance '<object_name>'**Explanation:**

The object instance of the CLI command is not valid.

Recommended Action:

Verify object instance and re-enter command with the valid object instance.

%CLI-E-IVOPT invalid option or option value '<option_name>'**Explanation:**

The option or option value of the CLI command is not valid.

Recommended Action:

Verify option value and re-enter command with valid option instance and valid option value.

%CLI-E-IVOPTVAL invalid option value '<option_name>'**Explanation:**

The option value of the CLI command is not valid.

Recommended Action:

Verify option value and re-enter command with valid option value.

%CLI-E-IVPORTNAME syntax error in port name '<port_name>'**Explanation:**

Port name is invalid.

Recommended Action:

Ensure you have a valid port name (e.g., et.1.2, gi.3.1) and that it is physically present.

%CLI-E-IVPORTRANGE port range '<port_name>' is illegal**Explanation:**

The port range is not legal.

Recommended Action:

Ensure that you have a valid port range (1-8 for et) (1-2 for gi).

%CLI-E-IVPORTLIST invalid port's list '<port_name>'

Explanation:

The port range is not legal.

Recommended Action:

Ensure that you have a valid port range (1-8 for et) (1-2 for gi).

%CLI-E-IVPORTTYPE unrecognized port type '<port_type>'

Explanation:

The port type is invalid.

Recommended Action:

Ensure you have a valid port type (et, gi, etc) and it is physically present.

%CLI-E-IVSAPSRVNAME invalid SAP server name: '<server_name>'

Explanation:

The SAP server name is invalid.

Recommended Action:

Verify SAP server name and re-enter command with valid SAP server name.

%CLI-E-IVSTPORT invalid SmartTRUNK port '<st>'

Explanation:

The specified SmartTRUNK port is invalid. A SmartTRUNK must have the syntax **st.<n>** where <n> is the SmartTRUNK number.

Recommended Action:

Specify a valid SmartTRUNK port.

%CLI-E-IVURL invalid URL: '<URL_name>'

Explanation:

The URL is invalid.

Recommended Action:

Verify URL and re-enter command with valid URL.

%CLI-E-IVVCRANGE VC range 'number' is illegal

Explanation:

The specified VC range is illegal. Valid VC range is between 16-991.

Recommended Action:

Specify a VC range between 16-991.

%CLI-E-LARGELIST list of <number> elements is too large

Explanation:

The CLI list is too large.

Recommended Action:

Re-enter command with fewer elements.

%CLI-E-LARGENUMRNG numerical list of <number> is too large

Explanation:

The numerical list is too large.

Recommended Action:

Re-enter command with fewer numerical elements.

%CLI-E-LARGEPORTRNG port list of <number> ranges is too large

Explanation:

The port list is too large.

Recommended Action:

Re-enter command with fewer port elements.

%CLI-E-MAXLEN "<command_name>" exceeded maximum length of <number> characters

Explanation:

The CLI command is too long.

Recommended Action:

No CLI commands need to be this long. Check to see if your interface names are excessive in length.

%CLI-E-MISSOPTION missing one of these required options: <option_name>

Explanation:

One of the required CLI command options is missing.

Recommended Action:

Re-enter command with appropriate option.

%CLI-E-MISSREQD Missing required parameter '<parameter_name>'

Explanation:

One of the required CLI command parameters is missing.

Recommended Action:

Re-enter command with the appropriate parameter.

%CLI-E-MODRANGEBAD module range '<module_name>', syntax error

Explanation:

The module range is invalid.

Recommended Action:

Re-enter command with a valid module range (e.g., et.1.8)

%CLI-E-MODULEONLY Please enter module specification only (e.g. hs.3)**Explanation:**

The command requires the user to enter a WAN module without any port or VC information. For example, to specify HSSI module 3, the user should use **hs.3**.

Recommended Action:

Re-enter command with a WAN module only.

%CLI-E-NAMETOOLONG port name '<port_name>' is too long**Explanation:**

The CLI port name is too long.

Recommended Action:

Re-enter command with a valid port name (e.g., et.1.8).

%CLI-E-NOFACINST no facility instance allowed**Explanation:**

This CLI facility instance is invalid.

Recommended Action:

Re-enter command with proper syntax.

%CLI-E-NOMEM processing error - insufficient memory**Explanation:**

Insufficient memory for operation.

Recommended Action:

System resources are limited. Upgrade memory size. If problem persists, contact DIGITAL Technical Support.

%CLI-E-NOOPTVAL missing required value for option '<value>'

Explanation:

One of the required CLI command options is missing.

Recommended Action:

Re-enter command with the appropriate option.

%CLI-E-NOPHYPORT physical port not allowed; SmartTRUNK port only

Explanation:

The user specified a physical port when the command expects a SmartTRUNK port only.

Recommended Action:

Re-enter command with a SmartTRUNK port.

%CLI-E-NOTRUNK SmartTRUNK port not allowed; physical port only

Explanation:

The user specified a SmartTRUNK when the command expects a physical port only.

Recommended Action:

Re-enter command with a physical port.

%CLI-E-NOVC VC specification is not allowed

Explanation:

The user specified a VC for the WAN port but the command does not allow a VC to be specified.

Recommended Action:

Re-enter command with a WAN port without a VC

%CLI-E-NOWAN WAN port not allowed for this command

Explanation:

The user specified a WAN port when the command does not operate on a WAN port.

Recommended Action:

Re-enter command with a non-WAN port.

%CLI-E-OBJUNKNWN unknown or ambiguous command object '<command_name>'

Explanation:

The CLI command is invalid.

Recommended Action:

Re-enter command with proper syntax.

%CLI-E-OPTREQSOPT option '<option_name>' requires ONE of these options: <option_name>

Explanation:

The CLI command requires another option.

Recommended Action:

Re-enter command with the proper option.

%CLI-E-OPTUNKNWN unknown or ambiguous option '<option_name>'

Explanation:

One of the required CLI command options is invalid.

Recommended Action:

Re-enter command with the appropriate option.

**%CLI-E-PARSEIVKYWD parser error - invalid keyword
'<command_name>'**

Explanation:

The CLI command has an invalid keyword.

Recommended Action:

Try again with appropriate keyword.

**%CLI-E-PARSENOOPT parser error - missing required option
'<command_name>'**

Explanation:

The CLI command requires another option.

Recommended Action:

Re-enter command with proper options.

**%CLI-E-PARSEOPTERR parser error during option processing -
aborting**

Explanation:

The CLI command could not be parsed.

Recommended Action:

Re-enter command with proper syntax.

%CLI-E-PORTRANGEBAD port range '<port_name>', syntax error

Explanation:

The CLI port range is invalid.

Recommended Action:

Re-enter command with proper port range (e.g., et.1.(1-8)).

%CLI-E-TOOMANYPORTS Only one port allowed '<port_name>'

Explanation:

Too many ports in CLI command.

Recommended Action:

Re-enter command with only one port specified.

%CLI-E-VCRANGEBAD VC range 'number', syntax error

Explanation:

The specified range of VC is wrong or has a syntax error.

Recommended Action:

Specify a correct range for the VC.

%CLI-E-WANONLY This command requires a WAN port

Explanation:

The user specified a non-WAN port when this command expects a WAN port only.

Recommended Action:

Re-enter the command with a WAN port.

Chapter 6

Configuration Error Messages

This chapter describes the error messages for the Configuration facility.

Informational Messages

%CONFIG-I-ERASED Non-committed changes erased

Explanation:

Non-committed changes in the scratchpad are erased.

Recommended Action:

Informational Message. No action necessary.

-%CONFIG-I-ERASED Startup configuration file erased

Explanation:

The Startup configuration file is erased.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-NOCHANGES There are no non-committed changes

Explanation:

The user is attempting to examine the non-committed commands in the scratchpad and there are not any.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-NOCONFIG The running system has no configuration

Explanation:

The user is attempting to examine the active configuration of the system but the system has no configuration.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-MAVED configuration saved to Startup configuration

Explanation:

The active configuration has been saved to the Startup configuration.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-TO_BE_DELETED Command '<number>' marked for negation

Explanation:

The specified command is marked for negation. The negation will occur once the scratchpad is committed to the active system.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-WILDCARD '<number>' command(s) marked for negation

Explanation:

This message indicates that *n* number of commands are marked for negation.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-WRITTEN File copied successfully.

Explanation:

The requested file copy operation completed successfully.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%CONFIG-W-MISMATCHPotentially incompatible versions between the configuration (<number>.<number>) and the system software (<number>.<number>)

Explanation:

The configuration file was created using a version of the system software that is different from the version that is running on the system. The version numbers are displayed in parenthesis.

Recommended Action:

Re-enter configuration using current system software.

%CONFIG-W-NOCOMMITChanges in Scratchpad not committed to the running system

Explanation:

This warning message appears when you want to exit Configure mode after making configuration changes but did not commit the changes. The non-committed changes will not have any effect on the running system. They will stay in the Scratchpad until you commit them or erase the scratchpad.

Recommended Action:

Commit the changes if you want them to effect the running system.

%CONFIG-W-NOTSAVEDChanges made to the running system are not saved to Startup.

Explanation:

Changes were made to the configuration of the running system but the changes are not saved in the Startup configuration. If the system is rebooted without saving these changes, the changes will be lost. This message appears when you want to exit the current login session or reboot and the active configuration does not match the Startup configuration.

Recommended Action:

Save configuration to startup if you wish the system to startup using the current configuration.

Error Messages

%CONFIG-E-BADVERSION Bad version string: <version_name>

Explanation:

The configuration file you have contains a bad version string.

Recommended Action:

Check to see if the version string in the configuration file is corrupted. See if you can restore a backup configuration file or try to manually fix the version string.

%CONFIG-E-BINARY Binary data encountered, configuration aborted

Explanation:

The configuration file downloaded from TFTP or RCP server contains binary data. The configuration file should only contain ASCII text characters.

Recommended Action:

Check to make sure you have the correct file or that the file contains only ASCII text characters.

%CONFIG-E-CONFIG_EMPTY There is no configuration information to save

Explanation:

The user is trying to save configuration information to a file but there is nothing to save. The configuration is empty.

Recommended Action:

None.

%CONFIG-E-DUPLICATE Command is already in the active configuration, ignored...

Explanation:

The user is attempting to enter a configuration command that is already in the active configuration. In other words, the same configuration command is entered again.

Recommended Action:

None.

%CONFIG-E-NEED_COMMAND Need at least one command word to match

Explanation:

The user is attempting to do a wildcard negate operation using *no <string> ** but the specified wildcard string does not match any existing command.

Recommended Action:

Verify you have entered the wildcard string correctly.

%CONFIG-E-NOMATCH No matching command found

Explanation:

The user is attempting to negate a command (using “no ...”) but the specified command doesn’t exist.

Recommended Action:

Verify you have entered the command to be negated correctly. You can also use the *negate* command together with a command number.

%CONFIG-E-NOTFOUND Command number '<number>' not found

Explanation:

The user is attempting to negate a command that does not exist.

Recommended Action:

Check to make sure the command number you specified is correct.

%CONFIG-E-SEARCH Search string '<string>' not found

Explanation:

The user is searching the active configuration for all commands with the specified search string. This message indicates that the search string does not appear in any of the commands in the active configuration.

Recommended Action:

Check to make sure that you entered the search string correctly.

%CONFIG-E-TOOLONG Command is too long, ignored...

Explanation:

A command in the configuration file exceeds the maximum length of 256 characters. As a result, the command is ignored.

Recommended Action:

It is unlikely that a valid command can contain more than 256 characters. Check to make sure the command you entered is correct.

Chapter 7 API

Console Error Messages

This chapter describes the error messages for the Console facility.

Warning Messages

%CONS-W-AUTH_DENIED '<name>' server (<ipaddr>) access denied

Explanation:

This message appears when the authentication server denies you login access. This could be because you entered the wrong password or your username is not recognized.

Recommended Action:

Retry with proper password.

%CONS-W-AUTH_GRANTED '<name>' server access granted

Explanation:

This message appears when the authentication server successfully grants you login access.

Recommended Action:

Informational message. No action required.

%CONS-W-AUTH_NONE '<name>' server fallback: (none)

Explanation:

This message appears when the authentication server denies you login access and there is no fallback behavior configured.

Recommended Action:

Retry with proper password or configure a fallback behavior using the **last-resort** option.

%CONS-W-AUTH_PASSWD '<name>' server fallback: (password)

Explanation:

This message appears when the authentication server denies you login access but the fallback behavior is to verify your login access using the Enabled mode password.

Recommended Action:

Retry with proper password or do nothing.

%CONS-W-AUTH_SUCCEED '<name>' server fallback: (succeed)

Explanation:

This message appears when the authentication server denies you login access but the fallback behavior is to log you in regardless.

Recommended Action:

Retry with proper password or do nothing.

%CONS-W-AUTH_TIMEOUT '<name>' server (<ipaddr>) timeout

Explanation:

This message appears when the GSR times out while trying to connect to the authentication server.

Recommended Action:

Make sure the authentication server is up and it is reachable from the GSR.

%CONS-W-BADPASSWORD incorrect password

Explanation:

This message appears when you type in an incorrect password.

Recommended Action:

Retry with proper password.

Error Messages

%CONS-E-DEVBUSY tty device is owned by another process

Explanation:

This message appears when the terminal device is in use by another process.

Recommended Action:

Ensure no other telnet or console session are conflicting with your console operations.

%CONS-E-FDOVFL too many open files

Explanation:

This message appears when you cannot open any more files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%CONS-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the Console system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%CONS-E-FILEOVFL file table has overflowed

Explanation:

This message appears when you cannot open any more files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%CONS-E-IOCTL ioctl failed with status <number>

Explanation:

This message appears when the IOCTL resource failed.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact DIGITAL Technical Support.

%CONS-E-IVDEV unable to find tty device

Explanation:

This message appears when the terminal device is unavailable.

Recommended Action:

Attempt operation again. If problem persists, contact DIGITAL Technical Support.

%CONS-E-LOGINFAIL console login failed

Explanation:

This message appears when the console login failed.

Recommended Action:

Ensure you have the appropriate username and password.

%CONS-E-NOFILEMEM insufficient memory to open files

Explanation:

This message appears when insufficient memory exists to open files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%CONS-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when network load exceeds system capacity.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%CONS-E-NOPROC unable to find process handle

Explanation:

This message appears when file process handle is unavailable.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact DIGITAL Technical Support.

%CONS-E-PWD2LONG password is longer than <number> characters

Explanation:

This message appears when password length is too long.

Recommended Action:

Enter a shorter password.

%CONS-E-SIGCNTL signals could not be enabled, sts=<hex_value>

Explanation:

This message appears when signal handler could not be enabled.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact DIGITAL Technical Support.

%CONS-E-SIGREG signal handler could not be registered, sts=<hex_value>

Explanation:

This message appears when signal handler is not available.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact DIGITAL Technical Support.

Chapter 8

DHCP Error Messages

This chapter describes the error messages for the Dynamic Host Configuration Protocol (DHCP) server.

Informational Messages

%DHCPD-I-DBEMPTY The DHCP lease database is empty

Explanation:

There is no data in the lease database, as there are currently no address assignments.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-DBFLUSHED DHCP lease database synchronized

Explanation:

The DHCP server has updated its lease database.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOACTIVE There are no active leases

Explanation:

There are no currently active leases.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOBINDING No binding found for the specified IP address

Explanation:

No lease exists for the specified IP address.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOEXPIRED There are no expired leases

Explanation:

There are no expired leases.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOSTATIC There are no static IP leases configured

Explanation:

There are no leases with static IP address assignments.

Recommended Action:

Informational message. No action necessary.

Error Messages

%DHCPD-E-NOSUCHIF No such interface name or address:
<name/address>

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name or address you specified. Specify an interface that exists.

Chapter 9

DVMRP Error Messages

This chapter describes the error messages for the Distance Vector Multicast Routing Protocol facility.

Informational Messages

%DVMRP-I-STARTED DVMRP service started

Explanation:

This message appears when DVMRP is started.

Recommended Action:

Informational Message. No action necessary.

%DVMRP-I-TERMINATED DVMRP service terminated

Explanation:

This message appears when DVMRP is stopped.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%DVMRP-W-NOTRUNNING DVMRP service is currently not running

Explanation:

This message appears when the DVMRP service is already stopped and a command is given to stop DVMRP.

Recommended Action:

Verify DVMRP service.

%DVMRP-W-STARTED_ALRDY DVMRP service started already

Explanation:

This message appears when the DVMRP service is already started and a command is given to start DVMRP.

Recommended Action:

Verify DVMRP service.

Error Messages

%DVMRP-E-BADADDR <IP_address>: bad address

Explanation:

This message appears when the IP-address entered is not valid, e.g. a loopback interface address.

Recommended Action:

Verify IP-address and re-enter command.

%DVMRP-E-BADVALUE invalid value (must be between <number> and <number>)**Explanation:**

This message appears when the value entered is outside the range of accepted values.

Recommended Action:

Verify values and re-enter command.

%DVMRP-E-DUPIFADDR <IP_address>: duplicate address**Explanation:**

This message appears when the IP-address entered is already in use.

Recommended Action:

Verify IP-address.

%DVMRP-E-DUPNAME: interface <name> already exists**Explanation:**

This message appears when the interface name entered is already in use.

Recommended Action:

Verify interface name.

%DVMRP-E-DUPTNL Tunnel <tunnel-name> is already defined**Explanation:**

This message appears when the tunnel <tunnel-name> already has been defined between specified local and remote addresses.

Recommended Action:

Verify DVMRP tunnel name.

%DVMRP-E-IFNOTFOUND <interface_name>: no such interface address.

Explanation:

This message appears when the specified interface or IP-address does not exist.

Recommended Action:

Verify interface and IP-address.

%DVMRP-E-MEMORY not enough memory

Explanation:

This message appears when the DVMRP service runs out of memory.

Recommended Action:

If possible, remove some DVMRP service. Otherwise, please call DIGITAL Technical Support.

%DVMRP-E-RCVFROM recvfrom() failed with errno <number>

Explanation:

This message appears when the DVMRP service is not able to receive data.

Recommended Action:

Please call DIGITAL Technical Support.

%DVMRP-E-SYSTEM system error

Explanation:

This message appears when an internal error has occurred in the DVMRP service.

Recommended Action:

Please call DIGITAL Technical Support.

%DVMRP-E-TOOMANYVIF too many interfaces defined

Explanation:

This message appears when greater than 64 multicast interfaces have been defined.

Recommended Action:

Remove multicast interfaces until a maximum of 64 remain.

Fatal Errors

%DVMRP-F-IOCTL ioctl(<string>) failed, errno = <number>

Explanation:

This message appears when an internal error has occurred in the DVMRP service.

Recommended Action:

Please call DIGITAL Technical Support.

Chapter 10

10Base-T Ethernet Driver Error Messages

This chapter describes the error messages for the 10Base-T Ethernet Driver facility.

Warning Messages

%ETH-W-BIGFRAME <name> <number>: bad received packet length, <number> bytes

Explanation:

Packet received off the network was larger than legal ethernet size.

Recommended Action:

Use packet sniffing tool to determine which host is sending illegal frames.

Error Messages

%ETH-E-DIAGFAIL 10Base-T port failed internal diagnostics

Explanation:

10Base-T port on Control Module failed diagnostics or initialization.

Recommended Action:

Replace the Control Module.

%ETH-E-NOTFDS insufficient transmit buffers

Explanation:

Insufficient transmit buffers in 10Base-T port.

Recommended Action:

This is mostly a transient error message and has no detrimental effect on the system. However, if the condition persists, please report to DIGITAL Technical Support.

Fatal Errors

%ETH-F-HISRFAIL failed to create driver HISR, sts=<number>

Explanation:

This is an internal error.

Recommended Action:

Please contact DIGITAL Technical Support.

%ETH-F-INITFAIL10Base-T ethernet failed initialization

Explanation:

10Base-T port on Control Module failed diagnostics or initialization.

Recommended Action:

Replace the Control Module.

%ETH-F-LISRFAIL failed to register driver LISR, sts=<number>

Explanation:

This is an internal error.

Recommended Action:

Please contact DIGITAL Technical Support.

%ETH-F-NOSTKMEM not enough memory to allocate stack

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

Chapter 11

GateD Global Error Messages

This chapter describes the error messages for the GateD Parent facility.

Informational Messages

%GATED-I-RECONFIGDONE Reinitializing (pid 0x<hex_number>) done at <number>

Explanation:

This message displays the process ID and the time at which the GSR routing process was reinitialized to handle any new configuration.

Recommended Action:

This message is for the user's benefit. No action is required.

%GATED-I-START Started (pid 0x<hex_number>) on <name>

Explanation:

This message displays the process ID and the time at which the GSR routing process was initiated.

Recommended Action:

This message is for the user's benefit. No action is required.

Error Messages

%GATED-E-ABORT Aborted (pid 0x<hex_number>) at <number>

Explanation:

This error message displays the specified process ID and the time at which this routing process was aborted.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-ASSERTFAIL Assertion failed pid[0x<hex_number>], file <name>, line <number>: <error>

Explanation:

This error message appears when an internal check fails in the GSR's routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CFGOPENFAIL GateD cannot open the configuration file.

Explanation:

This error message appears when the GSR routing process is unable to open its configuration file.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CFGPARSEERR GateD configuration file had parse errors.

Explanation:

This error message appears when the GSR routing process encounters errors/corruption in its configuration file.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CLIMALLOCFAIL CLI malloc failed.

Explanation:

This error message appears when the GSR experiences a memory allocation failure in one of its routing process display commands.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CLNTCONFALL Cannot connect to console server (client <client_id> error = <number>)

Explanation:

This error message appears when the GSR experiences a connection failure in one of its routing process display commands.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CLNTOPEFAIL Cannot open GateD console-client socket (error = <number>)

Explanation:

This error message appears when the GSR experiences a failure trying to open a socket in one of its routing process display commands.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSACCEPTFAIL Cannot accept GateD console socket <number> (error = <number>)

Explanation:

This error message appears when the GSR experiences a “socket accept” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSBINDFAIL Cannot bind GateD console socket <number> (error = <number>)

Explanation:

This error message appears when the GSR experiences a “socket bind” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSFDOOPENFAIL Fdopen failed for console connection <number>

Explanation:

This error message appears when the GSR fails to open a file mapped to the specified socket during its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSOPENFAIL Cannot open GateD console socket (error = <number>)

Explanation:

This error message appears when the GSR fails to open the given socket during its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSLISTENFAIL Cannot listen GateD console socket <number> (error = <number>)

Explanation:

This error message appears when the GSR experiences a “socket listen” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-CONSREADFAIL Cannot read from console socket <socket_id> (error = <number>)

Explanation:

This error message appears when the GSR experiences a “socket read” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-EXIT Exited (pid 0x<hex_number>) at <number>

Explanation:

This error message displays the process ID and the time at which the GSR routing process failed (exited) due to internal error.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the GateD Parent system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%GATED-E-INVCONSSLOT Invalid console slot (<number>). Max <number>.

Explanation:

This error message appears when the GSR experiences an internal error in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-IOCTLFAIL ioctl returned (<number>) for <number>

Explanation:

This error message appears when the GSR experiences a “socket ioctl” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-MAXACTIVECONN Maximum active console connections <number> exceeded

Explanation:

This error message appears when the user attempts to activate more than the maximum number of allowable console-client connections for the GSR routing process.

Recommended Action:

Deactivate any unnecessary connections, then activate the new one.

%GATED-E-NOSUCHTASK Task does not exist.

Explanation:

This error message appears when the user instructs the GSR routing process to perform an operation for which there is no corresponding sub-task.

Recommended Action:

Ensure that you have specified the appropriate task and/or that its syntax is correct.

%GATED-E-NUMOFCONNERR Numof active console connections mismatch (max <number> cur <number>)

Explanation:

This error message appears when the GSR experiences an internal error in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-OPT2ADDRSPECFAIL Copy from option to addr spec failed.**Explanation:**

This message appears when there was an error while processing one of the CLI command parameters (possibly the “gateway” or “interface” parameter).

Recommended Action:

Try re-entering the command after verifying that the parameters are valid. If the problem persists, please contact DIGITAL Technical Support.

%GATED-E-SNMPEVTNOTIFY Error sending SNMP event (status=<number>)**Explanation:**

This message appears when an SNMP request to access GateD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%GATED-E-SNMPIFINUSE Snmp interface is in use (action=<number>).**Explanation:**

This message appears because only 1 SNMP reader may access GateD's tables at a time.

Recommended Action:

Serialize SNMP requests to GateD's tables.

%GATED-E-SNMPRSPNOTIFY Error sending SNMP response (status=<number>)**Explanation:**

This message appears when an SNMP request to access GateD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%GATED-E-SNMPTMO No SNMP response from Gated (status=<number>)

Explanation:

This message appears when an SNMP request to access GateD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%GATED-E-SSOCKOPTFAIL Set socket option returned (<number>) for <number>

Explanation:

This error message appears when the GSR fails to set a socket option in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-TSKDELETED Task (<name>, 0x<hex_number>) is in deleted state (flags=0x<hex_number>)

Explanation:

This error message appears when the user instructs the GSR routing process to perform an operation for which the corresponding sub-task is in the deleted state.

Recommended Action:

Please contact DIGITAL Technical Support.

%GATED-E-WRITEFAIL Write socket returned (<number>) for <number>

Explanation:

This error message appears when the GSR experiences a “socket write” operation failure in its routing process.

Recommended Action:

Please contact DIGITAL Technical Support.

Fatal Messages

%GATED-F-DATAMALLOCFAIL Malloc failed for Gated data-section.

Explanation:

This message appears when, during initialization, the GateD task could not successfully allocate the required memory.

Recommended Action:

Restart the system. If the problem persists, please call DIGITAL Technical Support.

%GATED-F-NULLDATAPTR Saved data-section pointer is NULL.

Explanation:

This message appears when the GateD task detected a memory corruption problem.

Recommended Action:

Restart the system. If the problem persists, please call DIGITAL Technical Support.

Chapter 12

HBT Error Messages

This chapter describes the error messages for the Control Module Heartbeat facility.

Informational Messages

%HBT-I-HELLORCVD heartbeat from active *<cm_type>* in slot *<slot_id>*

Explanation:

Heartbeat message received by the backup Control Module from the primary Control Module in the specified slot.

Recommended Action:

Informational message. No action necessary.

%HBT-I-MASTERCPUFAIL active *<cm_type>* in slot *<slot_id>* has failed

Explanation:

Backup Control Module has detected a failure of the primary Control Module. Backup Control Module will assume primary role.

Recommended Action:

Replace failed Control Module.

Warning Messages

%HBT-W-DIFFDRAM DRAM configurations between redundant <cm_type> differs (primary = <mem_size>, backup = <mem_size>)

Explanation:

The amount of CPU memory differs between the primary and backup Control Modules.

Recommended Action:

Ensure that both Control Modules have the same amount of CPU memory.

%HBT-W-DIFFNETMEM Network memory between redundant <cm_type> differs (primary = <mem_size>, backup = <mem_size>)

Explanation:

There are incompatible versions of the primary and backup Control Modules or one Control Module has a fault.

Recommended Action:

Install compatible versions of primary and backup Control Modules.

%HBT-W-INCONSISMAC Inconsistent count of system MACS between redundant <cm_type> differs (primary = <num_MACS>, backup = <num_MACS>)

Explanation:

Primary and backup Control Modules have incompatible software versions.

Recommended Action:

Install compatible versions of primary and backup Control Modules.

%HBT-W-INVLDSRC Invalid source address <src_addr> attempting to connect to service port

Explanation:

A message was received from an invalid source.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-W-INVLDMSG Invalid message received from client port <port_id>, on channel <channel_id>

Explanation:

Invalid Heartbeat message received from backup Control Module.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-W-INVLDSRVC Invalid service request <rqst_id>, from client port <port_id>, on channel <channel_id>

Explanation:

Invalid service request received.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-W-SYNCINPROG database update currently in progress - please try again

Explanation:

The primary Control Module is currently transferring data to the backup Control Module.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-W-BACKUPFAILURE backup CM in slot <slot_id> is not operating

Explanation:

A backup Control Module has been detected, but it is not functioning properly.

Recommended Action:

Replace indicated Control Module.

Error Messages

%HBT-E-XMTQFULL unable to send frame xmit queue full

Explanation:

The Control Module is unable to send messages to other Control Module(s).

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-E-UNKNWNMSG unknown HBT message <msg>

Explanation:

An unknown message was received.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-E-NONBUF unable to get network transmit buffer

Explanation:

No transmit buffers are available.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-E-HBTLOOPED HBT message mistakenly looped back on slot <slot_id>**Explanation:**

Transmitted message looped back to source Control Module.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-E-BADPKT bad HBT message from physical port <port_id>**Explanation:**

A message was received with an incorrect message ID.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%HBT-E-CFGRCVERR incorrect configuration file lengths, expected <value>, actual <value>**Explanation:**

A message was received that was shorter than the expected length.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

Fatal Errors

%HBT-F-CREATEQ error creating <q_id> queue, error = <error_id>**Explanation:**

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-ETYPereg error registering special ether type, error = <error_id>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-TIMER error creating <timer_id> timer, error = <error_id>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-TMRSTARTFAIL failed to start timer <timer_id>, error = <error_id>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-EVENTWAIT Event wait failed, error = <error_id>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-BADSYSID> inconsistent system types <sys_id> and <sys_id>**Explanation:**

The primary and backup Control Modules report different system IDs.

Recommended Action:

Replace a Control Module. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-VERSMISMATCH HBT message version mismatch (primary = <ver_id>, backup = <ver_id>)**Explanation:**

There is a mismatch between the version IDs for the HBT facility.

Recommended Action:

Reinstall the system software image. If the problem persists, please call DIGITAL Technical Support.

%HBT-F-MULTISECNDRY both <cm_type>(s) reverted to backup controller status**Explanation:**

All Control Modules are configured as backup controllers.

Recommended Action:

Please call DIGITAL Technical Support.

%HBT-F-MULTIMASTERS both <cm_type>(s) attempting to be primary controllers**Explanation:**

More than one Control Module is operating as the primary controller.

Recommended Action:

Please call DIGITAL Technical Support.

Chapter 13

IGMP Error Messages

This chapter describes the error messages for the Internet Group Membership Protocol (IGMP) facility.

Warning Messages

%IGMP-W-MODIFYREPORT responsetime was bigger than queryinterval: modified to <number>

Explanation:

This message appears when the response time is set to a value larger than the query interval. If queryinterval is reduced, then responsetime time is automatically reduced.

Recommended Action:

Verify query interval value.

Error Messages

%IGMP-E-ALLOWED_LIST Allowed igmp group list is already set

Explanation:

This message appears when the user attempts to set the NotAllowed igmp list while the Allowed IGMP list is specified.

Recommended Action:

Ensure that the NotAllowed IGMP list is specified, and try to set it again.

%IGMP-E-BADRESPTIME Bad response time <number>, must be less than <number>

Explanation:

This message appears when the response time entered is larger than the query interval.

Recommended Action:

Enter a response time that is less than the query interval.

%IGMP-E-IFNOTFOUND <IP_interface/name>: no such interface address

Explanation:

This error message will be displayed if the user specifies a non-existent interface or IP address for the specified interface.

Recommended Action:

Ensure that the specified interface or IP address exists and/or you have typed it correctly, then enter the command again.

%IGMP-E-NOTALLOWED_LIST NotAllowed igmp group list is already set

Explanation:

This message appears when the user attempts to set the Allowed igmp list while the NotAllowed IGMP list is specified.

Recommended Action:

Ensure that the Allowed IGMP list is specified, and try to set it again.

Chapter 14

Interface Configuration Error Messages

This chapter describes the error messages for the Interface Configuration facility.

Informational Messages

%INTERFACE-I-CREATEDIF Interface <interface_name> was successfully created.

Explanation:

This message appears when an interface has been successfully created by the “interface create” command.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-REMOVEDIF Interface <interface_name> was successfully removed.

Explanation:

This message appears when the negation of an “interface create” command has completed successfully.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-REMOVINGIF Removing interface <interface_name>. Please wait.

Explanation:

This message appears when the user has negated an **interface create** command. This may take some time to complete. Upon completion, another message is displayed to let the user know that the negation has completed.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-WANFAIL Creating interface <uninterface_name> failed, starting clean-up.

Explanation:

This message appears when the user has attempted to create a WAN interface but the command was unsuccessful.

Recommended Action:

Informational Message. No action necessary.

Error Messages

%INTERFACE-E-ACLATTACHED An ACL is attached to this interface. Please detach ACL '*<ACL_name>*' from interface '*<interface_name>*' first.

Explanation:

This message appears when the user is trying to delete an interface which has an ACL bound to it.

Recommended Action:

Negate the ACL first, before negating the interface.

%INTERFACE-E-BADMTU The specified MTU - *<number>* - is too large. Please select a smaller value and try again.

Explanation:

The MTU value for this particular interface is too large.

Recommended Action:

Specify a smaller MTU value and try again.

%INTERFACE-E-BADPORT The specified port - port number *<number>* - is illegal. Please check the port name and try again.

Explanation:

This error message should not appear.

Recommended Action:

Contact DIGITAL Technical Support.

%INTERFACE-E-BADVLAN Only one vc can be applied to interface command. Please check the port name and try again.

Explanation:

This message appears when the user has specified a VC to be applied to an interface when a VC is already applied to the interface.

Recommended Action:

Verify the port name.

%INTERFACE-E-BADVC The specified VLAN -<VLAN_name> - does not exist. Please check the name of the VLAN and try again.

Explanation:

This message appears when the user has specified a VLAN that does not exist, in the **interface create** command.

Recommended Action:

Check the name of the VLAN to make sure that it is the name of an existing VLAN. If the VLAN to be used for this interface does not exist, first create the VLAN before creating an interface bound to the VLAN.

%INTERFACE-E-BCAST0HOST Invalid IP address - address <IP_address> is a broadcast address.

Explanation:

This message appears when the user is trying to configure an interface with an address which is a broadcast address with zeroes for the "host" part of the address. This is not allowed.

Recommended Action:

Specify a unicast IP address when creating an interface or adding an IP address to it.

**%INTERFACE-E-BCAST1HOST Invalid IP address - address
<IP_address> is a broadcast address.**

Explanation:

This message appears when the user is trying to configure an interface with an address which is a broadcast address with ones for the “host” part of the address. This is not allowed.

Recommended Action:

Specify a unicast IP address when creating an interface or adding an IP address to it.

%INTERFACE-E-CANNOTBRINGUP Interface <interface_name> has not been configured with any IP or IPX addresses. Please configure it before bringing it up.

Explanation:

This message appears when the user is trying to bring an interface up using the **interface up** command, but the interface has not been configured with an IP address.

Recommended Action:

Configure the interface before bringing it up.

%INTERFACE-E-CANNOTNEGATE Interface <interface_name> cannot be negated because addresses have been configured for it using "interface add" commands. Please negate the appropriate "interface add" commands before negating the "interface create" command.

Explanation:

This message appears when the user is trying to negate an interface to which IP addresses have been added using the **interface add ip** command.

Recommended Action:

The **interface add ip** commands must be negated before the **interface create** command can be negated.

**%INTERFACE-E-CANTCREATEIF Unknown error creating interface
<interface_name>!**

Explanation:

This message appears when an internal error occurred while creating an interface.

Recommended Action:

Please contact DIGITAL Technical Support.

**%INTERFACE-E-CMD <command_name> expected an argument,
didn't get one**

Explanation:

This message appears when <command_name> expected an argument, but didn't get one.

Recommended Action:

Please call DIGITAL Technical Support for information about this message.

**%INTERFACE-E-DIFFSUBNET local address (<IP_address>) and peer
address (<IP_address>) are not on the same subnet.**

Explanation:

This message appears when the local address and the remote (peer) address of a WAN IP interface do not belong to the same subnet.

Recommended Action:

Ensure that both the local and peer IP addresses belong to the same subnet.

**%INTERFACE-E-EXISTS Interface <interface_name> has already been
created. Please use another name for the interface.**

Explanation:

This message appears when the user is attempting to create an interface with a name which is already being used by another interface.

Recommended Action:

Use another name for the interface being created.

%INTERFACE-E-IFNONE No IP interfaces found.**Explanation:**

This message appears when the user is trying to display information for all interfaces of a particular type, but no interfaces matching the request were found.

Recommended Action:

None

%INTERFACE-E-IFNOTIP An IP address cannot be configured on interface *<interface_name>* because the interface does not support IP.**Explanation:**

This message appears when the user is attempting to configure an IP (IPX) address on an interface that does not support IP (IPX).

Recommended Action:

Create another interface that supports the required protocol and then configure it with the address.

%INTERFACE-E-IFVLANEXISTS There is already an *<interface_type>* interface called *<interface_name>* on VLAN *<VLAN_name>*. A VLAN can be bound to only one L3 interface for each protocol.**Explanation:**

This message appears when the user attempts to create an IP/IPX interface on a VLAN that already has an IP/IPX interface association. As the message text states, only one L3 interface can be associated with a VLAN for each type of protocol.

Recommended Action:

Specify a different interface type/name for the given VLAN.

%INTERFACE-E-INVALIDIFNAME The name *<interface_name>* is not allowed for interfaces. Please use another name.

Explanation:

This message appears when the user attempts to create an interface with an invalid name. The interface names "en", "lo", "en0", and "lo0" are reserved names.

Recommended Action:

Choose a correct interface name.

%INTERFACE-E-IPADDREXISTS The IP address *<IP_address>* is already configured on interface *<interface_name>*.

Explanation:

This message appears when the user is trying to configure the same address twice on the system. This is not allowed.

Recommended Action:

Remove the command which generated this error from the configuration.

%INTERFACE-E-IPREDATTACHED Attempting to config IP address *<IP_address>* which is currently in use by a virtual-router on interface *<interface_name>*. Please update the virtual-router configuration (the virtual-router must be the address owner for ALL or NONE of the associated IP addresses).

Explanation:

This message appears when the user attempts to add or remove an IP address to or from an interface that is currently serving as part of a VRRP virtual router. Executing this command would leave the router in an "inconsistent" state.

Recommended Action:

Remove the IP address from the VRRP router and then add or remove the IP address as before.

%INTERFACE-E-MACCONFLICT The MAC address *<MAC_address>* conflicts with another MAC address *<MAC-address>* being used on this port. Only one MAC address can be configured per port, per protocol.

Explanation:

This message appears when the user attempts to specify a MAC address that is different from the MAC address already associated with the given port for the IP/IPX interface being created. As the message text states, only one MAC address may be specified per port for each type of protocol.

Recommended Action:

No action necessary. The new MAC address has not been assigned.

%INTERFACE-E-MISSINGPORTVLANOPTIONS You must supply either the port or the vlan to be used with this interface.

Explanation:

This message appears when the user creates an interface and fails to add a vlan or port to the interface.

Recommended Action:

Specify a port or vlan to be added to the interface.

%INTERFACE-E-NAME *<string>* is not a valid host or network address

Explanation:

This message appears when a user supplies an invalid host or network address.

Recommended Action:

Please call DIGITAL Technical Support for information about this message.

%INTERFACE-E-NAMETOOLONG The interface name *<interface_name>* is too long. The name cannot be longer than 32 characters.

Explanation:

This message appears when the user has entered a name for an IP/IPX interface which is too long.

Recommended Action:

Use a shorter name. The maximum allowed length is displayed in the error message.

%INTERFACE-E-NOEXIST Interface *<interface_name>* does not exist. Please check the name and try again.

Explanation:

This message appears when a command refers to an interface which does not exist. Usually, this occurs if the interface name is typed in incorrectly.

Recommended Action:

Check the name of the interface in the command that failed, and make sure that it matches the name of an interface that has already been created.

%INTERFACE-E-NOMAC The MAC address *<MAC_address>* is being used by the en0 10base-T interface on the CPU module and is reserved. Please use another MAC address.

Explanation:

The specified MAC address is reserved for use with the GSR's CPU module.

Recommended Action:

Specify another MAC address for your interface.

%INTERFACE-E-NOSUCHIF Interface <interface_name> was not found or is not configured with any 'IP' addresses.

Explanation:

This message appears when the user is trying to show information about an interface that does not exist, or is not configured with the protocols of interest to the user.

Recommended Action:

Check the name of the interface.

%INTERFACE-E-NOSUCHPORT Port doesn't exist on this system.

Explanation:

This message occurs when a port is not found by the system even though the module exists.

Recommended Action:

Please call DIGITAL Technical Support for information about this message.

%INTERFACE-E-OMACMISMATCH The interface <interface_name> is also using VLAN <vlan_name>. When two interfaces use the same VLAN, they must use the same output MAC encapsulation. Please change the output MAC encapsulation or use another VLAN.

Explanation:

(See message text.)

Recommended Action:

(See message text.)

%INTERFACE-E-PORTHASVLAN Port <port_number> already belongs to VLAN <vlan_name>. Please use the -vlan- option of the -interface create- command instead of the -port- option.

Explanation:

When an interface is created using the **interface create ... port <portname>** command, a VLAN is created for the interface and the port is added to the VLAN. If the port is an access port and is already on a VLAN for the type of interface being created (IP/IPX), then it cannot be added to another VLAN.

Recommended Action:

Use the **interface create ... vlan <vlanname>** version of the command to bind the interface to the VLAN which contains the desired port.

%INTERFACE-E-PORTINVLAN Only ports belonging to the default vlan can be added to a SmartTRUNK.

Explanation:

This error message appears when the user attempts to add a port to a SmartTRUNK that already belongs to a VLAN other than the default VLAN.

Recommended Action:

Remove the port from any other VLANs (except the default VLAN) by negating any existing **vlan add ports** commands relating to the port in question. Then add the port to the desired SmartTRUNK.

%INTERFACE-E-PROTNOTSUPP VLAN <vlan_name> does not support the IP protocol. Please check the VLAN name and try again.

Explanation:

This message appears when the user is trying to create an interface bound to a VLAN which does not support the protocol of the interface (IP/IPX).

Recommended Action:

Create a VLAN which supports the desired protocol before creating an interface for that protocol.

%INTERFACE-E-QOSATTACHED A QOS flow definition is attached to interface <interface_name>. Please negate the QOS commands applied to this interface.

Explanation:

Before negating (deleting) an interface, QOS flows associated with the interface must be negated.

Recommended Action:

Locate and negate (delete) all CLI commands associating QOS flows with the interface you wish to negate, then negate the interface.

%INTERFACE-E-RESERVEDIF Interface lo0 is a reserved interface and cannot be created. However, you can add addresses to the interface using the _interface add_ command.

Explanation:

The interfaces lo0 (loopback) and en0 (management port on the CPU module) are automatically created by the system. They cannot be created by the user. However, the user can add addresses to these interfaces.

Recommended Action:

Remove the command which generated the message from the configuration. Use the **interface add ip** command to add an IP address to the interface, if desired.

%INTERFACE-E-STNOTFOUND SmartTRUNK st.<number> not found.

Explanation:

This message occurs when the user attempts to add an interface to a SmartTRUNK and the SmartTRUNK does not exist.

Recommended Action:

Verify the SmartTRUNK exists.

%INTERFACE-E-SUBNETEXISTS The address *<IP_address>* belongs to a subnet which is already configured on this system.

Explanation:

The user is trying to create an interface on a subnet which is already configured on another interface on the same device.

Recommended Action:

Remove the command that generated the error message from the configuration.

Chapter 15

IP Stack Error Messages

This chapter describes the error messages for the IP Stack facility.

Informational Messages

%IP-I-ARPNOTFOUND No matching ARP entry found

Explanation:

This message appears when the user is trying to delete an entry which does not exist.

Recommended Action:

Informational Message. No action necessary.

%IP-I-ARPOVRWRITE arp info overwritten for <IP_address> by (MAC_address)

Explanation:

An ARP entry was updated as a result of receiving an ARP message with information different from the information contained in the entry. This can happen if a connected device is rebooted with a different Ethernet adapter.

Recommended Action:

Informational Message. No action necessary.

%IP-I-REPUNRESOLVE Replacing unresolved arp for <IP_address> with <MAC_address>

Explanation:

This message is displayed when a previously unresolved ARP for a given IP address is updated as a result of a user-defined static ARP entry.

Recommended Action:

Informational Message. No action necessary.

%IP-I-RTQREALLYOLD in_rtqtimmo: adjusted rtq_reallyold to <number>

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

Warning Messages

%IP-W-ARPEXCEEDED The maximum number of ARPs (<number>) was exceeded - no ARP entry created.

Explanation:

This message appears when the maximum number of ARP packets has been sent with no response.

Recommended Action:

Verify connectivity to the device which ARP packets are being sent.

%IP-W-BADBCAST arp: ether address is broadcast for IP address <IP_address>!**Explanation:**

This message appears when an ARP packet with a broadcast source Ethernet address was received.

Recommended Action:

There may be a device on the network which is misconfigured or behaving erratically.

%IP-W-DUPLIP duplicate IP address <IP-address> sent from ethernet address: <MAC-address>**Explanation:**

This message appears when an ARP packet was received from another device that has been configured with the same IP address as the GSR. This is a misconfiguration of the network.

Recommended Action:

Change the IP address on the GSR or the other device. The other device can be identified by the MAC address displayed in the message.

Error Messages

%IP-E-ARPLKUP arplookup <IP_address> failed: <error-number>**Explanation:**

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%IP-E-GTWY arp_rtrequest: bad gateway value**Explanation:**

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%IP-E-LLINFO arpresolve: can't allocate llinfo

Explanation:

This message appears when the system is out of memory.

Recommended Action:

Reboot the device.

%IP-E-NOCHANNUM Invalid channel number -- <number>

Explanation:

This message is displayed when the user specifies a valid channel number that is currently inactive.

Recommended Action:

Specify an active channel. If you need quick help determining which channels are available, you can enter the **system show hardware** CLI command to display your current hardware configuration.

%IP-E-NOMEM arp_rtrequest: memory request failed

Explanation:

This message appears when the system is out of memory.

Recommended Action:

Reboot the device.

%IP-E-NOTEN0 A default route cannot be set with a gateway reachable via en0

Explanation:

This message appears when the user is trying to add a default route such that packets that match the default route will be sent on the en0 interface. This is not allowed because the en0 interface is reserved for management purposes.

Recommended Action:

Do not specify en0 as the gateway interface. Do not use a device which is connected to en0 as a gateway.

Chapter 16

IP Helper and BOOTP Relay Agent Error Messages

This chapter describes the error messages for the IP Helper and BOOTP/DHCP Relay Agent facility.

Informational Messages

%IPHELPER-I-FWD Packet forwarded <IP address> to <interface>

Explanation:

The GSR forwarded a packet that arrived with the displayed IP address and UDP port number, to the interface with the displayed unicast IP address.

Recommended Action:

No action is necessary.

%IPHELPER-I-FWD_IF Packet forwarded <IP address> to <addresses> (ifaddr <address>)

Explanation:

The GSR forwarded a packet that arrived with the displayed IP address and UDP port number, to the interface with the displayed broadcast and unicast IP addresses.

Recommended Action:

No action is necessary.

%IPHELPER-I-TTLEXP TTL expired; packet from <IP address> not forwarded

Explanation:

The GSR dropped the packet with the displayed IP address and UDP port number due to its TTL expiration.

Recommended Action:

No action is necessary.

%RELAY_I_BOOTREQUEST Forwarded BOOTREQUEST for <host> to <interface>

Explanation:

The GSR forwarded a BOOTREQUEST from the client with the displayed MAC address to the displayed IP address.

Recommended Action:

No action is necessary.

%RELAY_I_BOOTREPLY Forwarded BOOTREPLY for <host> to <interface>

Explanation:

The GSR forwarded a BOOTREPLY from a BOOTP server to the client with the displayed IP and MAC address.

Recommended Action:

No action is necessary.

%RELAY_I_GIADDR BOOTP reply with unknown giaddr <address>

Explanation:

The GSR dropped a BOOTREPLY packet with the displayed giaddr IP address because it does not match any of the interfaces on the GSR.

Recommended Action:

No action is necessary.

%RELAY_I_NOHELPER BOOTP packet received on <interface> with no IP helper configured

Explanation:

The GSR received a BOOTP/DHCP packet on an interface but no IP helper address is configured for that interface. As a result, the broadcast BOOTP/DHCP packet will not be forwarded by the GSR.

Recommended Action:

No action is necessary if you don't want the Relay Agent to forward BOOTP/DHCP broadcast packets to an IP helper address. If you want the packet to be forwarded, then you need to configure an IP helper address for that interface.

%RELAY_I_NOFORWARD BOOTP/DHCP forwarding not allowed on <interface>

Explanation:

The GSR received a BOOTP/DHCP packet on an interface where an IP helper address is configured but it's not for BOOTP/DHCP packets. The helper address is configured to forward UDP broadcast packets of a service other than BOOTP/DHCP.

Recommended Action:

No action is necessary if you don't want the Relay Agent to forward BOOTP/DHCP broadcast packets to an IP helper address. If you want the packet to be forwarded, then you need to configure an IP helper address for that interface.

%RELAY_I_PACKET BOOTP <?> (<?>) received at interface <interface>

Explanation:

The GSR received a BOOTP request or reply packet. The packet's giaddr IP address, whether it is a request or reply and whether it is a broadcast or unicast packet, is displayed.

Recommended Action:

No action is necessary.

Error Messages

%IPHELPER-E-DUPHELPER Duplicate helper address <IP_address>

Explanation:

This error message appears when the user attempts to assign a helper address to an interface with which the same helper address has already been assigned.

Recommended Action:

Assign a different helper address to the interface.

%IPHELPER-E-NOSUCHIF No such interface: <interface_name>

Explanation:

This error message appears when the user specifies a helper address for a nonexistent interface.

Recommended Action:

Specify a helper address on an existing interface.

Chapter 17

IPC (WAN) Error Messages

This chapter describes the error messages for the IPC facility used by the WAN software.

Warning Messages

%IPC-I-MODFAIL Remote module <number> failed (<n> times)... attempting hotswap

Explanation:

This message appears when the GSR detects a failure with a WAN module and attempts to restart it via hotswap.

Recommended Action:

If necessary, contact DIGITAL Technical Support and furnish them with the crash dump of the WAN image.

Note: The first three times the GSR detects a failure with a WAN module, it will attempt to automatically restart via hotswap. After the third time, you must manually conduct a hotswap to attempt resuming contact with the failed WAN module.

Error Messages

%IPC-E-IPCSYNC IPC sync. with WAN image failed on module <number>

Explanation:

This error message appears when the GSR fails to establish communication with a particular WAN module.

Recommended Action:

Try to re-establish contact with the WAN module using the following solutions (in order):

1. Try hotswapping the WAN module to resume communication.
2. Reboot the GSR in an attempt to re-establish a good communication link with the WAN module.
3. Contact DIGITAL Technical Support.

%IPC-E-MODFAIL Too many remote module <number> failures (<n> times)

Explanation:

This error message appears when the GSR detects a failure with a particular WAN module more than three times.

Recommended Action:

Try hotswapping the WAN module to resume communication. If that does not solve the problem, contact DIGITAL Technical Support.

Chapter 18

IPX Protocol Error Messages

This chapter describes the error messages for the IPX Protocol facility.

Error Messages

%IPX-E-ERIPSTATRTFAIL Cannot add static route; route add failed

Explanation:

This message appears when an add static route failed because of lack of memory.

Recommended Action:

If possible, remove some static routes to free up memory, or contact DIGITAL Technical Support if you wish to upgrade memory.

%IPX-E-ERIPSTATRTINTF Cannot define static route for the interface route

Explanation:

This message appears when IPX cannot make the interface routes static.

Recommended Action:

Verify interface is a directly attached network. You cannot add a static IPX route for a directly attached network.

%IPX-E-ERIPSTATRTSHAD Cannot allocate memory for shadow static route entry

Explanation:

This message appears when IPX cannot allocate memory for shadow static route entry.

Recommended Action:

If possible, remove some static routes to free up memory.

%IPX-E-ERIPNOSTATRTELEM No shadow static route entry available

Explanation:

This message appears when IPX cannot allocate a slot in the static route entry array. There is a maximum of 64 static route entries allowed.

Recommended Action:

Delete static routes until there are 64 entries.

%IPX-E-ERIPIFSHAD Cannot allocate memory for shadow delete interface entry

Explanation:

This message appears when the GSR cannot allocate memory for shadow delete interface structure.

Recommended Action:

If possible, remove some interfaces to free up memory.

%IPX-E-ERIPNOIFELEM No shadow delete interface entry available

Explanation:

This message appears when the GSR cannot get a free slot in the shadow delete interface array.

Recommended Action:

Do not delete more than 10 interfaces combined for all the telnet sessions

%IPX-E-ERIPTEGFAIL '<string>' : Set_TEG_Flag ret 0x<hex_number> event_flag <flag>**Explanation:**

This message appears when IPX cannot set the task event group flag in the designation function.

Recommended Action:

Please call DIGITAL Technical Support if you receive this message.

%IPX-E-ESAPNOSTATSAPELEM No shadow static sap entry available**Explanation:**

This message appears when the GSR cannot get a free slot in the shadow static SAP entry array. You cannot add more than 64 static SAP entries.

Recommended Action:

Delete SAP entries until there are 64 entries.

%IPX-E-ERIPSHOWSHAD Cannot allocate memory for shadow show entry**Explanation:**

This message appears when IPX cannot allocate memory for shadow show entry.

Recommended Action:

If possible, remove some IPX entries to free up memory.

%IPX-E-ERIPNOSHOWELEM No shadow show entry available**Explanation:**

This message appears when IPX cannot get a free slot in the shadow show entry array. There can be a maximum of 20 active shows combined from all the telnet session.

Recommended Action:

Call DIGITAL Technical Support if you see this error.

%IPX-E-ERIPCLINOMEM Cannot allocate memory for CLI

Explanation:

This message appears when IPX cannot allocate memory for CLI bulk print buffer.

Recommended Action:

If possible, remove some IPX entries to free up memory.

%IPX-E-ESAPSTATSAPFAIL Cannot add static sap; sap add failed due to low memory

Explanation:

This message appears when the user attempts to add a static sap, but there is insufficient memory to accommodate such an addition.

Recommended Action:

Expand existing memory and try again. If situation persists, contact DIGITAL Technical Support.

%IPX-E-ESAPSTATSAPSHAD Cannot allocate memory for shadow static sap entry

Explanation:

This message appears when the GSR cannot allocate memory for shadow static SAP entry structure.

Recommended Action:

If possible, remove some SAP entries to free up memory.

%IPX-E-INTFNAMETOOLONG Interface Name <interface_name> is longer than allowed max length <max_length_allowed>

Description:

The specified interface name is too long.

Recommended Action:

Type in the name of an existing ipx interface name to be associated with the static sap entry.

%IPX-E-INTFNAMENOTFOUND Interface *<interface_name>* not found**Description:**

The specified interface cannot be found.

Recommended Action:

Type in the name of an existing IPX interface name to be associated with the static sap entry.

%IPX-E-INTMAXMCREATED Number of IPX interface created exceeds *<number>* allowed**Description:**

The number of IPX interfaces has exceeded the maximum allowable.

Recommended Action:

Create no more than the maximum allowable number of IPX interfaces.

%IPX-E-NOCHANNUM Invalid channel number -- *<number>***Explanation:**

This message appears when a user inputs an invalid channel number (or the channel number does not refer to a slot that contains a line card).

Recommended Action:

Enter a valid channel number. A valid channel is numbered 0 through 7 and refers to a slot that contains a line card.

Chapter 19

Level 2 Table Manager Error Messages

This chapter describes the error messages for the Level 2 Table Manager facility.

Informational Messages

%L2TM-I-CLI_ACK <command_name>

Explanation:

This message appears as acknowledgment of a successfully completed L2 configuration command (e.g. successful address filter registration).

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%L2TM-W-ADD_L2_ENTRYadd L2 entry failed (<number>; port <port_name>; vlan <id>; mac <MAC_address>)

Explanation:

This message appears when a MAC address could not be added to a port's L2 table.

Recommended Action:

This occurs if ALL the MAC addresses in a port's L2 table are management entries not to be deleted, therefore preventing dynamically learned MACs from being installed.

%L2TM-W-BAD_PORTrequest to perform an action on an invalid port (Port <port_id>; <port_name>)

Explanation:

This message appears when a layer-2 action (e.g. age MAC addresses on port-x) was requested on an invalid port.

Recommended Action:

None.

%L2TM-W-DMND_DELL2 max table capacity reached: <name> cap<number> thr<number> src<number> dst<number> flw<number> mgt<number> (<number> >=<number>)

Explanation:

This message appears when a port's maximum L2 table capacity has almost been reached. Some MAC entries will automatically be deleted (CAPacity, THReshold, SouRCe MACs, DeST MACs, FLoWs, ManaGeMent MACs).

Recommended Action:

If this message is displayed frequently, you may need a board with higher table capacity. Call DIGITAL Technical Support.

**%L2TM-W-FLOW_MISMATCHMAC table flow inconsistency
(<name>; port <port_name>; vlan <id>; src <MAC_address>; dst
<MAC_address>)****Explanation:**

This message appears when the hardware and software views of the MAC tables are out of sync.

Recommended Action:

None.

**%L2TM-W-HANDLE_BKTFULLbucket full-deletion failed (port
<name>;vlan <id>;mac <MAC_address>)****Explanation:**

This message appears when multiple MAC addresses map to the same hardware location. A request for one of the MACs to be removed can't be completed.

Recommended Action:

None.

**%L2TM-W-INVALID_VLANPort <port_name> receiving frames from
non-member VLAN (<vlan_id>). Possible misconfiguration.****Explanation:**

This message appears when a port is receiving frames corresponding to a VLAN of which it is not a member.

Recommended Action:

This is likely due to reception of 802.1Q tagged frames. Check your VLAN-to-port configuration.

%L2TM-W-L4BDGCONFIG L4 bridging configuration error - <string>**Explanation:**

This message appears when a non-IP/IPX packet was received and dropped.

Recommended Action:

Verify the configuration of the Layer 4 bridging VLAN.

%L2TM-W-L4BDGHDRERR L4 bridging L3 header error

Explanation:

This message appears when an error is detected in an IP/IPX packet header.

Recommended Action:

No action is required.

%L2TM-W-L4BDGL3QUE L4 bridging L3 miss queue error - <string>

Explanation:

This message appears when a packet is received from a VLAN which is not in Layer 4 bridging mode.

Recommended Action:

Verify the configuration of Layer 4 bridging VLANs.

%L2TM-W-L4BDGTBL L4 bridging MAC table error - <string>

Explanation:

This message appears when there is an error processing the MAC table lookup. See <string> for additional details.

Recommended Action:

Verify the configuration of the Layer 4 bridging VLANs.

c%L2TM-W-MAC_REG MAC address registration failed (%s)

Explanation:

This message appears when one of the parameters required to add a MAC address into a port's table is invalid.

Recommended Action:

None (these are not user requests to add MAC addresses).

%L2TM-W-MACTBL MAC table error - <string>

Explanation:

This message appears when a request to add or remove a MAC address from a port's L2 table failed.

Recommended Action:

None.

%L2TM-W-MALLOC malloc failed (<string>)

Explanation:

This message appears when an L2 request for memory failed. System is running out of memory.

Recommended Action:

Call DIGITAL Technical Support.

%L2TM-W-MSG_RX L2 queue received unrecognized message (<number>)

Explanation:

This message appears when the L2 queue received an unrecognized request.

Recommended Action:

None.

%L2TM-W-MSG_TX send message to L2 queue failed (<string> - <number>)

Explanation:

This message appears when a send message to the L2 queue failed.

Recommended Action:

The queue may be temporarily full.

%L2TM-W-STATION_MOVE MAC addresses are moving between port <port_name> and other port(s). Possible loop.

Explanation:

This warning message appears when one or more MAC addresses that had previously been learned on one port have now been learned on a different port.

Recommended Action:

If a cable has been moved from one port to another, or if there have been recent spanning-tree topology changes, then you can ignore this message. However, if this message appears repeatedly, a loop may exist requiring you to enable spanning-tree.

%L2TM-W-ST_CONFLICT Port (<name>) inherited SmartTRUNK config <config name>.

Explanation:

This message appears when a port has been added to a Smart Trunk.

Recommended Action:

None. (This message is purely for the user's benefit.)

%L2TM-W-TBL_MISMATCHL2 table inconsistency (<name>; port <port_name>; vlan <id>; mac <MAC_address>)

Explanation:

This message appears when the hardware and software views of the MAC tables are out of sync.

Recommended Action:

None.

Error Messages

%L2TM-E-CREATE_TMR timer creation failed (retCode <number>)

Explanation:

This message appears when, during initialization (system boot), the L2 task could not create a timer resource (used to age-out MAC addresses).

Recommended Action:

Restart the system. If the problem persists, call DIGITAL Technical Support.

%L2TM-E-DMND_DEL could not remove enough entries from L2 table (port <port_id>)

Explanation:

This message appears when a port's table is almost full. Some MAC addresses were automatically removed. However, not enough entries were found (more entries were expected).

Recommended Action:

The software and hardware view of the MAC tables may be out of sync. If this message is frequently displayed, please call DIGITAL Technical Support.

%L2TM-E-FLT_CONFLICT <string>

Explanation:

This message appears when multiple L2 filters have been configured and there are conflicts between 2 of them (contradictory configuration).

Recommended Action:

The message informs you of the conflicting parameters. Please modify the configuration accordingly.

%L2TM-E-FLT_INVALID <string>

Explanation:

This message appears when an L2 filter was successfully configured but later, when the filter was being applied to traffic that matched the requirements, not all the filtering information was found.

Recommended Action:

Negate and then re-enter the L2 filter command. If the problem persists, call DIGITAL Technical Support.

%L2TM-E-FLT_MAC invalid MAC address while specifying L2 filter

Explanation:

This message appears when one of the MAC address parameters required to register an L2 filter is invalid.

Recommended Action:

Save a copy of your configuration file and send it to DIGITAL Technical Support.

%L2TM-E-GET_SEMA4 failed acquiring sema4 (retCode <number>)

Explanation:

This message appears when the lock used to guarantee the integrity of the MAC address table could not be acquired/set.

Recommended Action:

If this message is displayed continuously, please call DIGITAL Technical Support.

%L2TM-E-PORT_CLEANUP unsuccessful port cleanup (p <name> src <number> dst<number> flow<number> mgt<number>)

Explanation:

This message appears when a port was hot-swapped (out) and not all of its related information could be successfully removed.

Recommended Action:

None.

%L2TM-E-REL_SEMA4 failed releasing sema4 (retCode <number>)

Explanation:

This message appears when the lock used to guarantee the integrity of the MAC address table could not be released.

Recommended Action:

If this message is displayed continuously, please call DIGITAL Technical Support.

%L2TM-E-START_TMR failed to start timer 0x<hex_number> (retCode <number>)

Explanation:

This message appears when, during initialization (system boot), the L2 task could not start a timer (used to age-out MAC addresses).

Recommended Action:

Restart the system. If the problem persists, call DIGITAL Technical Support.

%L2TM-E-ST_CONFLICT failed adding port (<port_name>) to SmartTRUNK <smart_trunk>

Explanation:

This message appears when adding a port to a SmartTRUNK fails.

Recommended Action:

Verify the port being added to a SmartTRUNK.

%L2TM-E-STNOTFOUND SmartTRUNK st.<number> not found

Explanation:

This message appears when the user attempts to specify a particular Smart Trunk port that the GSR cannot identify.

Recommended Action:

Verify that the specified port is actually part of a SmartTRUNK.

%L2TM-E-WANNOTALLOWED L2 filtering on vc is not supported

Explanation:

This message appears when an L2 static entry is configured.

Recommended Action:

This feature (static entry) cannot include a WAN VC as a parameter.

Fatal Errors

%L2TM-F-CREATE_SEMA4 failed creating sema4 (retCode <number>)

Explanation:

This message appears when, during initialization (system boot), the L2 task could not create a semaphore resource used to maintain the integrity of the MAC tables

Recommended Action:

Restart the system. If the problem persists, call DIGITAL Technical Support.

%L2TM-F-CREATE_Q failed creating queue <string> (retCode <number>)

Explanation:

This message appears when, during initialization (system boot), the L2 task could not create a queue resource (used to receive MAC addresses during learning).

Recommended Action:

Restart the system. If the problem persists, call DIGITAL Technical Support.

%L2TM-F-REG_LRN failed registering L2-learning with NI

Explanation:

This message appears when, during initialization (system boot), the L2 task could not register to receive frames for learning.

Recommended Action:

Restart the system. If the problem persists, call DIGITAL Technical Support.

Chapter 20

Level 3 Aging Error Messages

This chapter describes the error messages for the Level 3 Aging facility.

Fatal Errors

%L3AGE-F-EVWAIT event wait failed with error '<number>'

Explanation:

This message appears when the L3 aging task event wait failed due to system resource problems.

Recommended Action:

System will reboot. If problem persists, call DIGITAL Technical Support to resolve the problem.

%L3AGE-F-TMRCREATFAIL timer creation failed with error '<number>'

Explanation:

This message appears when the timer for the L3 aging task could not be created due to limited system resources

Recommended Action:

Increase system memory or call DIGITAL Technical Support to resolve the problem.

%L3AGE-F-TMRSTARTFAIL failed to start timer '0x<hex_number>', error '<number>'

Explanation:

This message appears when the timer for the L3 aging task could not be started due to limited system resources

Recommended Action:

Increase system memory or call DIGITAL Technical Support to resolve the problem.

Chapter 21

LFAP Error Messages

This chapter describes the error messages for the LFAP (Lightweight Flow Accounting Protocol) facility.

Informational Messages

%LFAP-I-CONNECT creating a TCP connection to <server> on dport <port>

Explanation:

This message appears when the GSR attempts to connect to a remote LFAP server.

Recommended Action:

Informational message. No action required.

%LFAP-I-CONNECTED connected to server <server>

Explanation:

This message appears when the GSR successfully connects to a LFAP server.

Recommended Action:

Informational message. No action required.

%LFAP-I-LOST_CONTACT lost contact with server <server>

Explanation:

This message appears when the GSR loses its connection with the LFAP server.

Recommended Action:

Check to see that the LFAP server is still running and reachable from the GSR.

%LFAP-I-STOP started LFAP Service

Explanation:

This message appears when the LFAP service is started.

Recommended Action:

Informational message. No action required.

%LFAP-I-STOP stopped LFAP Service

Explanation:

This message appears when the LFAP service is stopped.

Recommended Action:

Informational message. No action required.

%LFAP-I-UPDATE updated LFAP Service

Explanation:

This message appears when the LFAP service is updated.

Recommended Action:

Informational message. No action required.

Error Messages

%LFAP-E-BAD_VERSION received message with incompatible LFAP version, rcvd:<number> send:<number>

Explanation:

The GSR's LFAP service received a LFAP packet with incompatible version number.

Recommended Action:

Check to make sure that the LFAP server is compatible with the LFAP service on the GSR.

%LFAP-E-FAS_DEL_FLOW cannot find flow <number> in flow table

Explanation:

LFAP service tried to delete a flow that does not exist anymore (already deleted).

Recommended Action:

Check LFAP server, refresh current active flow list.

%LFAP-E-NO_SERVER cannot change configuration if a server is not configured

Explanation:

The user is attempting to change the configuration of the GSR's LFAP service without first specifying a LFAP server.

Recommended Action:

Specify a LFAP server before changing the configuration of the LFAP service.

%LFAP-E-NO_DISCONNECT unable to disconnect, server IP is unavailable

Explanation:

GSR's LFAP service is trying to disconnect from a LFAP server but the server's IP address is unknown.

Recommended Action:

Check to see if the LFAP server list on the GSR is valid. If yes, stop and restart LFAP service on the GSR.

%LFAP-E-NO_START cannot start LFAP Service if a server is not configured

Explanation:

The user is trying to start the LFAP service without specifying a LFAP server for the GSR to connect.

Recommended Action:

Specify a LFAP server before starting the LFAP service.

Chapter 22

Load Balance Error Messages

This chapter describes the error messages for the Load Balance facility.

Informational Messages

%LOADBAL-I-AGINGTIMER Load Balance Client-Server mappings aging timer set to *<number of minutes>* minutes

Explanation:

The aging timer for client-server mappings is set to the specified number of minutes.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CHGPOLICY Load Balance policy changed to *<new policy>* from *<old policy>* for group *<group name>*

Explanation:

The policy for distributing workload on load-balancing servers is changed for the specified group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CLADDGRPACC <Client ipaddr/ipaddr range> added to access list of group <group name>

Explanation:

The specified address or address range is added to the list of hosts that are allowed to access the load balancing server group without address translation.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CLREMGRPACC <Client ipaddr/ipaddr range> removed from access list of group <group name>

Explanation:

The specified address or address range has been removed from the list of hosts that are allowed to access the load balancing server group without address translation.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-FTPCONTROL FTP Control port set to <port number> for load balancing

Explanation:

The FTP control port is set to the specified port number.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-GRPCREATED Group <group name> successfully created with virtual IP <ipaddr> and port <virtual port number>

Explanation:

The load balancing group is created with the specified virtual IP address and virtual port number.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-GRPDELETED Load Balancing group <group name> deleted successfully

Explanation:

The specified load balancing group was deleted.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTADDED Host <ipaddr> with port <port number> successfully added to group <group name>

Explanation:

The specified server was added to the load balancing group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTDELETED Host <ipaddr> successfully deleted from group <group name>

Explanation:

The specified server was deleted from the load balancing group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTDOWN Host Status Change Detected: <ipaddr> belonging to group <group name> is Down

Explanation:

The operational status of the specified server in the load balancing group has been set to 'down.'

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTUP Host Status Change Detected: *<ipaddr>* belonging to group *<group name>* is Up

Explanation:

The operational status of the specified server in the load balancing group has been set to 'up.'

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-SETVARIANT Load Balance Mappings Hash Index variant set to variant *<new variant>* from *<old variant>*

Explanation:

The hash variant for calculating the load balancing mappings index is set to the new variant number.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%LOADBAL-W-ADMINALREADYDOWN Host *<ipaddr>* with port *<port number>* in group *<group name>* is already marked down by admin

Explanation:

The specified server has already been set to 'down' admin status.

Recommended Action:

No action necessary.

%LOADBAL-W-ADMINALREADYUP Host <ipaddr> with port <port number> in group <group name> is already marked up by admin

Explanation:

The specified server has already been set to 'up' admin status.

Recommended Action:

No action necessary.

%LOADBAL-W-HOSTSTATE Incoming packets for group <group name> being dropped. Due to their current state, no destination host could be selected.

Explanation:

This warning message appears when all servers in the load balancing group are either set to 'down' admin status or are not responding.

Recommended Action:

Use the **load-balance show virtual-hosts** command to check the status of the servers in the group. Set the admin status of servers to 'up.' Make sure servers are running.

%LOADBAL-W-MSG Cleaning up flows <description>. This might take a while...

Explanation:

The load balancing facility is performing periodic flow maintenance, but this does not affect load balancing operations.

Recommended Action:

Informational message only. No action required.

%LOADBAL-W-NOHOSTSADDED Incoming packets for group <group name> being dropped. No servers have been added to group <group name>

Explanation:

Clients are trying to access the virtual address and port number of the load balancing group, but there are no servers in the group to which the GSR can redirect the client requests. The load balancing group has been created but no servers have been added to the group.

Recommended Action:

Add servers to the specified group with the **load-balance add host-to-group** or **load-balance add host-to-vip-range** commands.

Error Messages

%LOADBAL-E-ACCLSTEXISTS Access List still exists for group <group name>. Please remove access list of group before proceeding

Explanation:

You attempted to remove the group, but an access list exists for the group.

Recommended Action:

Remove the access list for the group first before removing the group.

%LOADBAL-E-GRPNAMEUSED

Group name <group name> is already used

Implicit to be generated group name <group name> is already used

Explanation:

You attempted to create a group name that already exists. When using the load-balance create vip-range-name command to create groups, note that separate server groups for each virtual IP address in the range are implicitly created.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups.

%LOADBAL-E-HOSTEXISTS Destination hosts still exist for group <group name>. Please remove them from the group before proceeding

Explanation:

You attempted to delete a group or range before removing the hosts from the group or range.

Recommended Action:

Use the negate command to remove hosts from the group or range first before deleting the group or range.

%LOADBAL-E-HOSTINLIST Host <ipaddr> with port <port number> is already added to group <group name>

Explanation:

You attempted to add a server that has already been added to the same group.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups and the servers that belong to those groups.

%LOADBAL-E-ILLEGALRANGE Illegal range. Please try again.

Explanation:

You specified an illegal IP address range. The range must be in the form 10.10.1.1-10.10.1.3.

Recommended Action:

Check the syntax of the IP address range you specified.

%LOADBAL-E-INVALIDPORT

Cannot create a Virtual IP range on port 20 (ftp data port)

Cannot create a group on port 20 (ftp data port)

Cannot add a host with port 20 (ftp data port)

Explanation:

Port number 20 is the FTP data port and cannot be specified as the virtual port number for a group or virtual IP range, or the port for a server.

Recommended Action:

Specify a port number other than 20.

%LOADBAL-E-IPINACCLIST Client IP already in access list

Explanation:

You specified an IP address with the load-balance allow access-to-servers command that had already been specified.

Recommended Action:

Check the IP address.

%LOADBAL-E-IPNOTINACCLIST specified IP addresses not found in access list of group <group name>

Explanation:

The access list for the group was removed or does not exist.

Recommended Action:

Use the **load-balance allow access-to-servers** command to specify the hosts that are allowed to access a group without address translation.

%LOADBAL-E-MAXVIPRANGE Cannot create a range with more than 254 Virtual IP's. Please try again with a lesser range.

Explanation:

A virtual IP address range cannot have more than 254 addresses. You can, however, create two or more separate virtual IP address ranges.

Recommended Action:

Specify a virtual IP address range of less than 254 addresses.

%LOADBAL-E-MSG Load Balance - *<module>* - memory allocation error

Explanation:

A memory allocation error occurred in the specified module.

Recommended Action:

Call DIGITAL Technical Support.

%LOADBAL-E-NEEDPORT Host without a port cannot be added to a group associated with a specific port

Explanation:

You attempted to add a host without a port number to a load balancing group that has a port specified.

Recommended Action:

Specify a port number for the host you are adding to the group.

%LOADBAL-E-NOCHGFTPSPORT Cannot change FTP Control port. FTP load balance group exists on port *<port number>*

Explanation:

You created a group on the FTP control port. The FTP control port cannot be changed unless the group is removed first.

Recommended Action:

Remove the group before changing the FTP control port. Or, do not change the FTP control port.

%LOADBAL-E-NOFTPDATAGRP The Corresponding FTP data group of *<group name>* could not be found

Explanation:

You created a group on the FTP control port, which implicitly creates the FTP data group. However, the FTP data group cannot be found.

Recommended Action:

Contact DIGITAL Technical Support.

%LOADBAL-E-NOPORT Host with a port cannot be added to a group unassociated with ports

Explanation:

You attempted to add a host with a port number to a load balancing group that does not have a port specified.

Recommended Action:

Do not specify a port number for the host you are adding to the group.

%LOADBAL-E-NOSEOPTFTPDATAGRP Cannot set <option> for FTP data group. Set it for the corresponding FTP control group.

Explanation:

You created a group on the FTP control port, which implicitly created the FTP data group. You can only set options for the group on the FTP control port.

Recommended Action:

Specify the group name on the FTP control port.

%LOADBAL-E-NOSUCHGRP No such load-balance group <group name> exists

Explanation:

You specified a nonexistent load balancing group when adding servers to a group, specifying access lists, etc.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups.

%LOADBAL-E-NOSUCHHOST Host <ipaddr> with port <port number> is not in server list of group <group name>

Explanation:

You attempted to either set the status of a server that does not belong to a load balancing group, delete a server that has already been deleted, or delete a server that was never added to a group.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups and their servers.

**%LOADBAL-E-NOSUCHVIPRANGE No such Virtual IP range name
<vip range name>**

Explanation:

You specified a nonexistent virtual IP range name when adding servers to groups, specifying access lists, etc.

Recommended Action:

Check the configuration for the specified virtual IP range name.

**%LOADBAL-E-REMOVEPOLICY Policy has been changed for group
<group name>. Please remove that command before proceeding**

Explanation:

You changed the load-balancing policy from the default policy for the specified group. You cannot remove the group unless the policy configuration command is removed first.

Recommended Action:

Remove the policy command before removing the group.

**%LOADBAL-E-SAMEPOLICY Load Balance policy is already set to
<policy name>**

Explanation:

You attempted to set the policy for distributing workload on the load balancing servers, but the specified policy was already in effect.

Recommended Action:

No action necessary.

**%LOADBAL-E-SAMEVARIANT Load Balance Mappings Hash Index
variant is already set to variant <hash variant number>**

Explanation:

You attempted to set the hash variant for calculating load-balancing mappings index, but the specified hash variant was already in effect.

Recommended Action:

No action necessary.

%LOADBAL-E-SPLITHOSTS Cannot add more than *<limit>* hosts in one command. Please split them up

Explanation:

You need to use more than one command in order to add more hosts to the group. Note that this does *not* mean that no more hosts can be added to the group; you will need to use more than one command to add the hosts.

Recommended Action:

Use multiple commands to add hosts to the group.

%LOADBAL-E-STRINGTOOBIG Virtual IP range name is too big. With specified range, the range name can be only *<number>* characters.

Explanation:

The specified range name becomes the *base* group name; thus, the range name 'myrange' becomes the groups 'myrange1,' 'myrange2,' etc., for each virtual address in the specified range. Depending upon the number of virtual addresses in the range, one to three additional digits are appended to the base group name.

Recommended Action:

Use a range name with fewer characters.

%LOADBAL-E-USESAMERANGE Please use the same range of IP's for the destination server's as the Virtual IP range.

Explanation:

The number of servers in the specified range is not the same as the number of virtual IP addresses. If you specified 15 virtual IP addresses with the **load-balance create vip-range-name** command, then you must specify a range of 15 IP addresses in the **load-balance add host-to-vip-range** command.

Recommended Action:

Specify a range of IP addresses that is a one-to-one mapping to the virtual IP addresses.

%LOADBAL-E-VIPPORTUSED Virtual IP *<ipaddr>* and Virtual Port *<port number>* combination is already used

Explanation:

You specified a virtual IP address and virtual port number combination that has already been created.

Recommended Action:

Use a different virtual IP address-virtual port number combination.

%LOADBAL-E-VIPRANGENAMEUSED Virtual IP range name *<range name>* is already used

Explanation:

You specified a vip-range-name that already exists.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups.

Chapter 23

Multicast Traceroute Error Messages

This chapter describes the error messages for the Multicast Traceroute facility.

Warning Messages

%MT-W-JOIN can't join group *<group_name>* on interface *<interface_name>*

Explanation:

This message appears when Mtrace cannot join group on interface.

Recommended Action:

Make sure the interface specified exists and the group address is a multicast address.

%MT-W-LEAVE can't leave group <group_name> on interface <interface_name>

Explanation:

This message appears when Mtrace cannot leave the group on interface.

Recommended Action:

This could be because there was no join for the group on the specified interface.

%MT-W-SENDTO sendto to <name> on <interface_name>

Explanation:

This message appears when the IGMP packet could not be sent.

Recommended Action:

This could be due to lack of resources, try again when the system is less busy.

Error Messages

%MT-E-BADVALUE invalid value (must be between <number> and <number>).

Explanation:

This message appears when an incorrect value is entered.

Recommended Action:

Enter an appropriate value and try again.

%MT-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the Multicast Traceroute system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%MT-E-IPHDRINCL setsockopt IP_HDRINCL <number>

Explanation:

This message appears when the setsockopt IP_HDRINCL had an invalid argument passed to it.

Recommended Action:

This error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MINVALUE value must be <number> or higher

Explanation:

This message appears when an incorrect value was entered.

Recommended Action:

Enter appropriate value and try again.

%MT-E-MULTICASTIF setsockopt IP_MULTICAST_IF <interface_name>

Explanation:

This message appears when the setsockopt IP_MULTICAST_IF returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MULTICASTLOOP setsockopt IP_MULTICAST_LOOP <socket_number>

Explanation:

This message appears when the setsockopt IP_MULTICAST_LOOP returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MULTICASTTTL setsockopt IP_MULTICAST_TTL <socket_number>

Explanation:

This message appears when the setsockopt IP_MULTICAST_TTL returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-NOINTERFACES No interfaces present

Explanation:

This message appears when there are no interfaces present in the switch

Recommended Action:

Create an interface so that the mtrace packet can be transmitted.

%MT-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when unable to allocate memory.

Recommended Action:

This error is due to lack of resources. Please call DIGITAL Technical Support.

%MT-E-SORCVBUF setsockopt SO_RCVBUF <number>

Explanation:

This message appears when the setsockopt SO_RCVBUF returned an error.

Recommended Action:

This could be due to the fact that the system could not meet the receive buffer size due to lack of resources.

%MT-E-UNKWNHOST unknown host <host_name>

Explanation:

This message appears when Mtrace sees an unknown host.

Recommended Action:

Check host name and try again.

Chapter 24

Multicast Error Messages

This chapter describes the error messages for the Multicast facility.

Error Messages

%MULTICAST-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the Multicast system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%MULTICAST-E-IFNOTFOUND <interface ip_address/name>: no such interface address

Explanation:

This message appears when a nonexistent multicasting interface name or IP address has been specified.

Recommended Action:

Verify IP address and name.

Chapter 25

NAT Error Messages

This chapter describes the error messages for the Network Address Translation (NAT) facility.

Informational Messages

%NAT-I-CLNDYN Please wait while NAT removes the bindings and cleans up the existing NAT flows for these bindings...

Explanation:

NAT is removing the bindings and the flows for this dynamic binding.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNCR NAT Dynamic binding created for local-acl: <acl_name> and global pool

Explanation:

A dynamic address binding has been created with the specified local ACL pool and the global pool.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNRM NAT Dynamic binding removed for local-acl: <acl_name> and global pool

Explanation:

Dynamic address binding is removed with the negation of the dynamic binding command.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNSESSTO Dynamic session time out for NAT set to: <value> (min)

Explanation:

The timeout for dynamic address bindings is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FLOWAGING NAT flow aging timeout is set to: <value> (min)

Explanation:

Flow aging for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FTPPRT FTP port for NAT set to: <port>

Explanation:

The FTP control port for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FTPTO FTP session timeout for NAT set to: <value> (min)

Explanation:

The FTP session timeout for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFALLIN All the interfaces are set NAT inside

Explanation:

All interfaces are defined as inside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFALLOUT All the interfaces are set NAT outside

Explanation:

All interfaces are defined as outside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFSETIN Interface: <interface_name> is already set to be NAT inside

Explanation:

The specified interface was previously defined as a NAT inside interface.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFSETOUT Interface: <interface_name> is already set to be NAT outside

Explanation:

The specified interface was previously defined as a NAT outside interface.

Recommended Action:

Informational message. No action necessary.

%NAT-I-INITDYN Please wait while NAT dynamic initializes the dynamic pools and cleans up any existing flows...

Explanation:

NAT is initializing the dynamic binding.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFALLIN All the interfaces are set to their previous NAT states, if applicable, else they are no longer NAT inside interfaces

Explanation:

The nat set interface all inside command is negated. As a result, one or more interfaces may be set to NAT inside interfaces if they were set prior to this command. Otherwise they are no longer NAT inside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFALLOUT All the interfaces are set to their previous NAT states, if applicable, else they are no longer NAT outside interfaces

Explanation:

The nat set interface outside command is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFIN Interface: *<interface_name>* is no longer a NAT inside interface**Explanation:**

The command that defines the specified interface as an inside interface is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFOUT Interface: *<interface_name>* is no longer a NAT outside interface**Explanation:**

The command that defines the specified interface as an outside interface is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-STCR NAT Static binding created between local-ip: *<ip_address>* and global-ip: *<ip_address>* with protocol: *<protocol>***Explanation:**

A static address binding has been created between the specified local and global addresses with the specified protocol (IP, TCP, or UDP).

Recommended Action:

Informational message. No action necessary.

%NAT-I-STRM NAT Static binding removed between local-ip range: *<ip_address-ip_address:port(if any)>* and global-ip range: *<ip_address-ip_address:port(if any)>* with protocol: *<protocol>***Explanation:**

Static address binding is removed.

Recommended Action:

Informational message. No action necessary.

Error Messages

%NAT-E-AQRSEM NAT_AcquireSemaphore - <value>

Explanation:

System error. NAT could not obtain a semaphore from the system.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-BNDMAL NAT_AllocateBinding - malloc error

Explanation:

Memory allocation error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-COMPILE NAT support was not included at compile time.

Explanation:

NAT is not supported in this release.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-DYNGBLINFMAL NAT_AllocateGlobalInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-DYNGBLSTMAL NAT_AllocateGlobalList - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-DYNGBLRM The Global pool does not correspond to the Local acl pool: <acl/> it is binded for

Explanation:

The global pool that the user specified does not correspond to the local pool.

Recommended Action:

Check the correspondence of the local ACL pool and the global pool.

%NAT-E-DYNGBLTOLCL The Global pool does not correspond to the Local acl pool: <acl_name> it is binded for

Explanation:

The global pool that the user specified does not correspond to the local pool.

Recommended Action:

Check the correspondence of the local ACL pool and the global pool.

%NAT-E-DYNGBLUSED Given global IP is already being used with Local Acl pool <acl_name>

Explanation:

The global address pool is already defined for dynamic address binding with the specified ACL.

Recommended Action:

Specify a different global address pool for dynamic address binding with the specified ACL.

%NAT-E-DYNINFMAL NAT_AllocateDynamicInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-DYNLCLANYDEFINED Local Acl pool: <acl_name> has defined any local ip address. NAT cannot bind local ip addresses with 'any' already defined for translation

Explanation:

An ACL pool with the keyword 'any' is already defined. You cannot assign any other local IP address after 'any.'

Recommended Action:

Remove the 'any' local-acl-pool from NAT and reconfigure.

%NAT-E-DYNLCLDEFINED Local Acl pool: <acl_name> has defined 'any' local ip address. NAT cannot bind 'any' with local ip addresses already defined for translation

Explanation:

An ACL pool with a local IP address is already defined. You cannot define 'any' with a local IP address already defined.

Recommended Action:

Remove the local-acl-pool from NAT with the local IP address and reconfigure.

%NAT-E-DYNLCLUSED Local IP address: <ip_address> in local acl-pool: <acl_name> is already used in previous defined aclset: <acl_name>. NAT cannot bind same local to different global

Explanation:

The local address pool is already defined in a dynamic address binding with a global address pool.

Recommended Action:

Specify a different local address pool for the dynamic address binding.

%NAT-E-DYNOLIFPRTDSTBASED The interface: *<interface_name>* has port: *<port_number>* of slot: *<slot_number>* which is set to destination based routing. Global pool uses this interface. NAT cannot allow destination based routing with overloaded dynamic

Explanation:

NAT overloaded dynamic does not allow destination based routing for the global pool using the named interface.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-DYNOLIFPRTHSTMODE The interface: *<interface>* has port: *<port>* of slot: *<slot>* which is set to host flow mode. This is not allowed with NAT overloaded dynamic which is used by global pool.

Explanation:

NAT overloaded dynamic does not allow host flow mode for the global pool using the named interface.

Recommended Action:

Remove host flow mode from the port.

%NAT-E-DYNPATMAL NAT_AllocatePat- malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-FTPDYNOL NAT_AllocateFtpInfo - dynamic allocation error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-FTPINFOMAL NAT_AllocateFtpInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-HWCOMP Slot: <slot_number> is not NAT compliant

Explanation:

The hardware detected for the slot is not NAT compliant. New hardware is required for NAT.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-IFBOUND Could not get the modules for interface: <interface_name>

Explanation:

NAT could not get the modules attached to this interface.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-IFHWCOMP Slot: <slot_number> of interface: <interface_name> is not NAT compliant

Explanation:

The slot of the interface has a line card which is not NAT compliant. New hardware is needed for NAT.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-IFMAL NAT_InterfaceInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-IFNMMAL NAT_InterfaceName - malloc error

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-IFPRTDSTBASED The interface: <interface_name> has port: <port_number> of slot: <slot_number> which is set to destination based routing. This is not allowed with NAT

Explanation:

Destination based routing ports are not allowed with NAT.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-IFPRTHSTMODE The interface: <interface_name> has port: <port_number> of slot: <slot_number> which is set to destination based routing. This is not allowed with NAT

Explanation:

Destination based routing ports are not allowed with NAT.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-IFSETIN Interface: <interface_name> is already set to be NAT inside

Explanation:

The specified interface was previously defined as a NAT inside interface.

Recommended Action:

Specify a different interface, if necessary.

%NAT-E-IFSETOUT Interface: <interface_name> is already set to be NAT outside

Explanation:

The specified interface was previously defined as a NAT outside interface.

Recommended Action:

Specify a different interface, if necessary.

%NAT-E-IPADDRMSK Not a valid address (broad cast address

Explanation:

The specified address is not a valid IP address.

Recommended Action:

Specify a valid IP address.

%NAT-E-IPLIST Not a valid IP list

Explanation:

The specified list of IP addresses is not valid.

Recommended Action:

Specify a valid IP list.

%NAT-E-LCLACLNF Local acl set: <acl> not found**Explanation:**

The ACL specified for the local address pool does not exist.

Recommended Action:

Specify a valid ACL.

%NAT-E-LCLACLPROTO Local ACL's protocol should be IP**Explanation:**

The ACL specified for the local address pool is not an IP ACL.

Recommended Action:

Specify an IP ACL.

%NAT_E_MATCHIF NAT found that the local acl is defined previously without any matching interface. This is not allowed with NAT dynamic**Explanation:**

You can specify multiple global pools for the same local-acl pool if you have more than one connection to the Internet on different interfaces. You must specify the interface to be used in all the commands that use that local-acl pool.

Recommended Action:

Specify a matching interface in all the configuration commands that use this local-acl pool.

%NAT-E-MAXGBL**Explanation:**

With NAT dynamic, you can specify a maximum of 64K global addresses.

Recommended Action:

Specify no more than 65536 global addresses.

%NAT-E-MAXOVRGBL

Explanation:

With NAT dynamic overload, you can specify a maximum of 255 global addresses.

Recommended Action:

Specify no more than 255 global addresses.

%NAT-E-NOSUCHIF Invalid interface: <interface_name>

Explanation:

The specified interface does not exist.

Recommended Action:

Specify a valid interface.

%NAT-E-RESSEM NAT_ReleaseSemaphore - <value>

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%NAT-E-SLOTEMP Slot: <slot_number> is empty

Explanation:

There is no line card in the slot.

Recommended Action:

Check the slot that you have specified.

%NAT-E-STGLBXSITS A mapping for the global-ip already exists

Explanation:

The specified global address is already being used for a static address binding.

Recommended Action:

Specify a different global address for the static address binding.

%NAT-E-STLCLEXSITS A mapping for the local-ip already exists

Explanation:

The specified local address is already being used for a static address binding.

Recommended Action:

Specify a different local address for the static address binding.

%NAT-E-STLCLGBL IP address: <ip_address> found both in local and global

Explanation:

The same IP address is specified for both the local and global address binding.

Recommended Action:

Specify a different address for either the local or global address binding.

%NAT-E-STPRT Ports cannot be used with protocol ip

Explanation:

The local-port or global-port parameters can only be used if tcp or udp is specified for the protocol in this static address binding.

Recommended Action:

Specify either tcp or udp for the protocol for the static address binding.

%NAT-E-STRNG Range of local and global ip should be same

Explanation:

There are different numbers of IP addresses in the local and global ranges.

Recommended Action:

You need to give exactly the same number of IP addresses in the local and global ranges.

%NAT-E-STRNGMAX Range of local and global ip should be less than 5000

Explanation:

You cannot specify more than 5000 IP addresses in the range.

Recommended Action:

Reduce the range to 5000 or less.

Chapter 26

Netstat Error Messages

This chapter describes the error messages for the Netstat facility.

Error Messages

%NETSTAT-E-NLIST Unknown error during NLIST - please contact Technical Support

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact DIGITAL Technical Support for information.

%NETSTAT-E-NONLIST No NLIST found - please contact Technical Support

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact DIGITAL Technical Support for information.

%NETSTAT-E-RTDUMPALLOC Could not allocate <number> bytes for the route table dump

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact DIGITAL Technical Support for information.

Chapter 27

Network Interface Driver Error Messages

This chapter describes the error messages for the Network Interface Driver facility.

Error Messages

**%NI-E-DIAGQ Couldn't create DIAGNOSTIC Queue,
sts=0x<hex_number>, qptr=0x<hex_number>**

Explanation:

This message appears when the system failed to allocate resources for a queue used in diagnostics.

Recommended Action:

Increase Control Module memory. If problem persists, please call DIGITAL Technical Support.

%NI-E-FBQ Couldn't initialize Free Buffer Queue

Explanation:

This message appears when the system could not properly initialize the free buffer queue.

Recommended Action:

Please call DIGITAL Technical Support to resolve the problem.

Fatal Messages

%NI-F-BADPRIO bad priority '<number>' in request

Explanation:

This message appears when the Control Module encountered an unknown priority in one of the packets.

Recommended Action:

Please call DIGITAL Technical Support.

%NI-F-FREEQFULL free buffer is unexpectedly full at priority '<number>'

Explanation:

This message appears when the network interface ASIC's (NIA) free buffer queue was corrupted.

Recommended Action:

Please call DIGITAL Technical Support.

%NI-F-HISRFAIL failed to create driver HISR, sts=0x<hex_number>

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call DIGITAL Technical Support.

%NI-F-LISRFAIL failed to register driver LISR, sts=0x<hex_number>

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call DIGITAL Technical Support.

%NI-F-NOSTKMEM not enough memory to allocate HISR stack

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call DIGITAL Technical Support.

%NI-F-QSENDFAIL queue send failed, sts=0x<hex_number>

Explanation:

This message appears when the Control Module was unable to send another packet due to a problem with the NIA send queue.

Recommended Action:

Please call DIGITAL Technical support.

Chapter 28

NTP Error Messages

This chapter describes the error messages for the NTP (Network Time Protocol) facility.

Informational Messages

%NTP-I-TIMESYNC Time synchronized to <time>

Explanation:

This message appears when the GSR successfully synchronizes its clock with an NTP server when the user executes the **ntp synchronize** command.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%NTP-W-NOTIMEZONE Time will not be set until timezone is configured; use 'system set timezone' to configure

Explanation:

This warning message appears when the user attempts to configure an NTP server without first configuring the local timezone.

Recommended Action:

Configure the local timezone using the Configuration mode command **system set timezone**.

%NTP-W-UNKWNHOST Unknown host: <hostname>

Explanation:

This message appears when the GSR is unable to resolve the NTP server's hostname.

Recommended Action:

Check to make sure you typed in the correct NTP server name or DNS is configured correctly to resolve the name.

Error Messages

%NTP-E-NORESPONSE No response from NTP server

Explanation:

The GSR is not getting a response from the NTP server to synchronize its clock.

Recommended Action:

Check to make sure the NTP server is reachable from the GSR.

%NTP-E-STRATUM Bad stratum <number>, NTP server not ready to synchronize**Explanation:**

The GSR received an NTP response with a bad stratum. This usually means that the server is not ready to synchronize time with a client, for example, the NTP server just started or lost its connect with its peer or its next stratum NTP server.

Recommended Action:

If this error occurs because the NTP server just started, wait a few minutes for the NTP server to stabilize. The message should disappear once the NTP server is responding correctly.

%NTP-E-BADSRCIP No such interface address: <ip-address>**Explanation:**

This message appears when the user specifies a source IP address for NTP requests that doesn't belong to any known interface address on the GSR. The source IP address for NTP is configured using the **ntp set server source** command.

Recommended Action:

Make sure the source IP address is one of the GSR's interfaces.

%NTP-E-NOTIMEZONE Timezone is not set; use 'system set timezone' to configure**Explanation:**

This message appears when the GSR attempts to synchronize time with a NTP server but the local timezone information is not configured.

Recommended Action:

Configure the local timezone using the Configuration mode command **system set timezone**.

Chapter 29

OSPF Error Messages

This chapter describes the error messages for the Open Shortest Path First facility.

Informational Messages

%OSPF-I-RECFG Reconfiguring the router to restart OSPF.

Explanation:

This message informs the user that the GSR routing process is being reinitialized to reconfigure OSPF.

Recommended Action:

This message is merely information regarding the status of OSPF on the GSR. No action is required.

Error Messages

%OSPF-E-AREAEXISTS Area *<area_name>* already exists.

Explanation:

An OSPF area was defined multiple times (e.g. “area backbone” and “area 0.0.0.0”)

Recommended Action:

Remove one of the extra area definitions.

%OSPF-E-AREANOTFOUND Area *<area_name>* is not a known area.

Explanation:

An OSPF command refers to an undefined area.

Recommended Action:

Modify the command so that it refers to an existing area, or create the undefined area.

%OSPF-E-AREAOVFL No more free areas max *<number>* current *<number>*

Explanation:

The maximum number of areas has been reached.

Recommended Action:

If possible, remove unused areas.

%OSPF-E-BACKBONENOTCFG Number of areas (*<number>*) with valid config greater than 1 but there are no virtual links or backbone with valid configuration.

Explanation:

An OSPF virtual link has been configured. There must be at least 2 valid areas configured (backbone and one or more non-backbone areas).

Recommended Action:

Verify configuration of OSPF areas.

%OSPF-E-BBONEZEROINTFSZero interfaces (including virtual links) in backbone area.**Explanation:**

No interfaces have been added into the backbone (0.0.0.0) area.

Recommended Action:

Add at least one interface to the backbone (0.0.0.0) area.

%OSPF-E-BIFOVFL No more free broadcast ifs (max <number>) in area <number>.**Explanation:**

The maximum number of interfaces of type “broadcast” that can be added to an OSPF area has been reached.

Recommended Action:

If possible, remove unused interfaces.

%OSPF-E-DESTEXISTS Destination <name> exists.**Explanation:**

This message appears when someone tries to add an OSPF-Monitor destination that already exists.

Recommended Action:

If you want to change the authentication key associated with an existing destination, then delete the existing destination and add the destination again with the new key.

If you want to query an OSPF router with a different authentication key, then simply specify the destination and authentication-key with the **ospf-monitor** command.

%OSPF-E-DESTMALLOC Malloc failed for dest <name>.**Explanation:**

The OSPF monitor command failed due to a memory allocation error.

Recommended Action:

Try the command again. If the problem persists, please call DIGITAL Technical Support.

%OSPF-E-EXIT OSPF task terminated at <number>

Explanation:

This error message appears when the GSR terminates an OSPF task and is unable to automatically rectify the problem through reinitialization/reconfiguration.

Recommended Action:

Ensure that the OSPF task in question is valid; that OSPF has been enabled for the GSR; and that the GSR has an appropriate router identification number.

%OSPF-E-FLTCHKFAIL Problem with LSA hash (id=0x<hex_number> hash=0x<hex_number>) at <number>.

Explanation:

This error message appears when an OSPF Link State Advertisement fails its checksum validation.

Recommended Action:

Please call DIGITAL Technical Support.

%OSPF-E-HASHPROB Problem with LSA hash (id=0x<hex_number> hash=0x<hex_number>) at <number>.

Explanation:

This error message appears when the GSR experiences an internal error while computing the checksum for an OSPF Link State Advertisement.

Recommended Action:

Please call DIGITAL Technical Support.

%OSPF-E-IFEXISTS Interface <interface_name> exists in area <area_name>.

Explanation:

An interface has been configured that already exists in the specified area.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IFNEXISTS <interface_name> is not a known OSPF interface.**Explanation:**

An OSPF parameter has been configured for an interface that does not exist.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IFNOTFOUND <interface_name> is not a known interface in area <area_name>.**Explanation:**

An OSPF parameter has been configured for an interface that does not exist.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IMPBBONEFAIL Failed to implicitly create the backbone area.**Explanation:**

This error message appears when the GSR experiences an internal error while attempting to implicitly create a backbone area.

Recommended Action:

Please call DIGITAL Technical Support.

%OSPF-E-INSUFFAREASFORVLINK Vlinks present. Number of areas (<number>) with valid configuration less than 2.**Explanation:**

An OSPF virtual link has been configured. There must be at least 2 valid areas configured (backbone and one or more non-backbone areas).

Recommended Action:

Verify configuration of OSPF areas.

**%OSPF-E-INVASTAG AS Path tag (<number>) greater than 4095.
tag_value and as options ignored.**

Explanation:

This message appears when a tag value is out-of-range. A tag value must be between 0 and 4095, inclusive.

Recommended Action:

Adjust the tag value.

**%OSPF-E-INVBACKBONECFG Number of areas (<number>) with valid
config greater than 1 but backbone has invalid configured.**

Explanation:

There are 2 or more non-backbone areas configured. A valid backbone area is required.

Recommended Action:

Correct the configuration of the backbone area.

%OSPF-E-INVCFG OSPF cannot run because of invalid configuration.

Explanation:

This message appears when OSPF could not be started. A more detailed message is also displayed explaining the cause of the failure.

Recommended Action:

Refer to the more detailed message.

**%OSPF-E-INVMD5KEY Invalid MD5 key <key_name>
(len=<number>, max=<number>).**

Explanation:

This message appears when the MD5 key assigned to one of the OSPF interfaces is invalid.

Recommended Action:

Make sure that the length of the key is within the valid range.

%OSPF-E-INVSIMPLEKEY Invalid simple key <key_name> (len=<number>, max=<number>).**Explanation:**

This message appears when the simple key assigned to one of the OSPF interfaces is invalid.

Recommended Action:

Make sure that the length of the key is within the valid range.

%OSPF-E-INVTRANSAREA Transit area cannot be the backbone area.**Explanation:**

An OSPF virtual link was misconfigured. The transit area defined is invalid (it cannot be the backbone area).

Recommended Action:

Select an area different from the backbone as the virtual link's transit-area.

%OSPF-E-MCASTFAIL Registration of address <address> failed for interface <interface_name>.**Explanation:**

This error message appears when the GSR's routing process fails to register addresses necessary for OSPF.

Recommended Action:

Please call DIGITAL Technical Support.

%OSPF-E-MD5NOTSUPP Authentication type MD5 not supported for OSPF.**Explanation:**

This error message appears when the GSR attempts to perform authentication using MD5, but MD5 is not currently supported for OSPF.

Recommended Action:

Please call DIGITAL Technical Support.

%OSPF-E-NBIFOVFL No more free nonbroadcast ifs (max <number>) in area <number>.

Explanation:

The maximum number of interfaces of type “non-broadcast” that can be added to an OSPF area has been reached.

Recommended Action:

If possible, remove unused interfaces.

%OSPF-E-NBMANBREXISTS NBMA Nbr <NBMA_name> already exists for interface <interface_name>.

Explanation:

Multiple instances of the same NBMA neighbor have been added to an interface.

Recommended Action:

Remove one of the duplicate NBMA neighbors.

%OSPF-E-NBMANBROVFLNo more free nbma nbrs (max <number> current <number>) in interface <interface_name>.

Explanation:

The maximum number of NBMA neighbors that can be added to an interface has been reached.

Recommended Action:

If possible, remove unused NBMA neighbors from the interface.

%OSPF-E-NBRNOTFOUND <NBMA_name> is not a known nbma neighbor for interface <interface_name>.

Explanation:

Attempting to remove an NBMA neighbor from an interface. However, there aren't any records of this particular neighbor.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NETNOTFOUND <network_name> is not a known network in area <area_name>.**Explanation:**

Trying to disassociate a network from an area. However, the area has no previous knowledge about this network.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NETWKOVFL No more free networks max <number> current <number>**Explanation:**

The maximum number of networks that can be added to an area has been reached.

Recommended Action:

If possible, remove unused networks.

%OSPF-E-NETWORKEXISTS Network <network_name> already exists in area <number>.**Explanation:**

Multiple instances of the same network were added to an area.

Recommended Action:

Remove one of the duplicate **add network** commands.

%OSPF-E-NOAUTHTYPE No authentication-method specified for interface (<name>) or area (<number>). No authentication being used.

Explanation:

In the case of OSPF, the user has the choice of specifying the authentication-method (Simple, MD5, None) in one of the following ways:

- At the Area and Interface level.
- At the Area level but not at the Interface level.
- At the Interface level but not at the Area level.

If an authentication-method is *not* specified at either the Area Level or the Interface Level, and an authentication-key is specified, then this message is displayed. The GSR would proceed with the configuration as though the authentication were not needed.

Recommended Action:

If you want to have authentication, then an authentication-method needs to be specified in one of the ways mentioned above.

%OSPF-E-NOROUTERID Router ID is not defined.

Explanation:

This error message appears when the GSR attempts to use a router identification number that is undefined or otherwise invalid. Normally, the GSR will automatically derive the correct identification number from one of the IP addresses associated with an active network interface. If it is unable to do so, then this message will appear.

Recommended Action:

If no network interfaces are in an active state and the OSPF task exists, specify the router ID explicitly then resume normal operation.

%OSPF-E-NOSUCHTASK OSPF task does not exist.

Explanation:

This error message appears when the GSR encounters an OSPF task that is undefined.

Recommended Action:

Ensure that the OSPF task in question is valid; that OSPF has been enabled for the GSR; and that the GSR has an appropriate router identification number.

%OSPF-E-NOTSTUBBBONE Backbone cannot be a stub area. Stub option ignored.**Explanation:**

This error message is displayed when the user attempts to set up the GSR as a stub area when it is already [part of] the backbone.

Recommended Action:

Ensure that you are specifying the correct stub attribute for the correct backbone area and re-enter the command(s) for the appropriate area.

%OSPF-E-NOVALIDAREA No OSPF Areas with valid configuration. Number of areas configured (<number>).**Explanation:**

This message appears when the user could not start OSPF because all areas were misconfigured.

Recommended Action:

A more detailed error message is also displayed for each area's misconfiguration. Refer to the more detailed messages.

%OSPF-E-NUMOFAREAERR Number of areas is zero (max <number>).**Explanation:**

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFBIFERR Number of ifs mismatch (bcast <number> nbcast <number> tot <number>) in area <area_number>.**Explanation:**

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFIFERR Number of ifs mismatch (bcast <number> nbcast <number> tot <number>) in area <area_number>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFNBIFERR Number of ifs mismatch (bcast <number> nbcast <number> tot <number>) in area <area_number>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFNBRERR Numof NBMA nbr mismatch (max <number> cur <number>) for interface <interface_name>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFNTWKERR Zero networks (max <number>) in area <area_number>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFSHOSTERR Numof stub hosts mismatch (max <number> cur <number>) in area <area_number>**Explanation:**

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-NUMOFVLINKERR Numof vlinks mismatch (max <number> cur <number>).**Explanation:**

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-OBJMISS OSPF object to be displayed must be specified.**Explanation:**

Insufficient information provided while executing the **ospf show** CLI command.

Recommended Action:

Choose a valid option while executing the **ospf show option** command.

%OSPF-E-RTRIDCHANGED Router ID changed.**Explanation:**

This error message informs the user that the router identification number has changed. Normally, the GSR will automatically derive the correct identification number from one of the IP addresses associated with an active network interface. If it is unable to do so, then this message will appear.

Recommended Action:

If no network interfaces are in an active state and the OSPF task exists, specify the router ID explicitly, then resume normal operation.

%OSPF-E-SHOSTEXISTS Stub host *<name>* already exists in area *<area_number>*.

Explanation:

Multiple instances of the same stub-host have been added to an area.

Recommended Action:

Remove one of the duplicate stub-host commands.

%OSPF-E-SHOSTNOTFOUND *<stub-host_name>* is not a known stub host in area *<area_name>*.

Explanation:

Attempting to remove a stub-host from an area. However, there aren't any records of the stub-host in this area.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-SHOSTOVFL No more free stub hosts (max *<number>* cur *<number>*) in area *<area_number>*

Explanation:

The maximum number of stub hosts that can be added to an area has been reached.

Recommended Action:

If possible, remove unused stub-hosts from the area.

%OSPF-E-TRANSAREANOTFOUND Transit area *<area_name>* is not a known area.

Explanation:

An OSPF virtual link was misconfigured. The transit area defined is invalid.

Recommended Action:

Select a valid transit-area when defining the virtual-link.

%OSPF-E-TSKDELETED OSPF Task is in deleted state (flags=0x%x)**Explanation:**

This message is displayed when the user enters one of the OSPF show commands but the OSPF task is not running. The OSPF task may not be running because of one of the following reasons.

- OSPF is not enabled on the box.
- The OSPF configuration is invalid.
- Because the router-id was not explicitly specified, and there are no interfaces whose state is up.

Recommended Action:

Depending on the reason for the non-existence of the OSPF task, the user would have to rectify one of the three causes.

%OSPF-E-VLINKEXISTS VLink with nbr <name> trans_area <area_name> already exists (id <name>).**Explanation:**

Multiple virtual links using the same transit-area and going to the same neighbor have been configured.

Recommended Action:

Remove one of the duplicate virtual links, or specify a different transit-area/neighbor.

%OSPF-E-VLINKIDEXISTS VLink with id <name> already exists (trans_area <area_number> nbr <name>).**Explanation:**

Multiple virtual links using the same id have been created.

Recommended Action:

Use a unique id per virtual link.

%OSPF-E-VLINKNOTFOUND Virtual link with id <name> is not found.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%OSPF-E-VLINKOVFL No more free virtual links (max <number> cur <number>).

Explanation:

The maximum number of virtual links that can be configured has been reached.

Recommended Action:

If possible, remove unused virtual links.

%OSPF-E-ZEROAREAS No OSPF Areas configured.

Explanation:

This message appears when a user attempted to start OSPF without any configured areas.

Recommended Action:

Configure at least one OSPF area before starting.

%OSPF-E-ZEROINTFSNo interfaces configured in area (<area_number>). Area (<area_number>) ignored.

Explanation:

An OSPF area was defined, but there aren't any interfaces associated with it.

Recommended Action:

Remove unused OSPF area, or add interfaces to it.

Fatal Errors

%OSPF-F-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the OSPF request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 30

IP Policy Error Messages

This chapter describes the error messages for the IP policy facility.

Informational Messages

%PBR-I-CREATED Policy *<name>* has been successfully created for ACL(s) *<acl list>*

Explanation:

The IP policy has been created for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%PBR-I-DELETED Policy *<name>* has been successfully deleted for ACL(s) *<acl list>*

Explanation:

The IP policy has been deleted for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%PBR-I-INTERFACE Policy <name> has been successfully attached to/attached from <interface> interface

Explanation:

The IP policy has been applied to the specified interface.

Recommended Action:

Informational message. No action necessary.

%PBR-I-NOALL No policy applied to all IP interfaces

Explanation:

There is no policy that is applied to all IP interfaces.

Recommended Action:

Informational message. No action necessary.

%PBR-I-PINGER_ADD Adding addresses for policy <name> to pinger <string>

Explanation:

Pinger has been enabled for this policy.

Recommended Action:

Informational message. No action necessary.

Error Messages

%PBR-E-ACLEXISTS Profile <acl> already exists in policy <name>

Explanation:

The specified ACL is already part of this policy. Multiple instances of the same ACL are not allowed.

Recommended Action:

Check the ACL name.

%PBR-E-ACLNOTFOUND Rule <acl> not present

Explanation:

The specified ACL is not found.

Recommended Action:

Check the ACL name and make sure it exists.

%PBR-E-APPLIED Policy has other commands attached -- negate these commands first

Explanation:

The policy that is being negated has other commands applied to it. This policy cannot be deleted before the other applied commands.

Recommended Action:

Negate the other commands that are applied to this policy before deleting this policy.

%PBR-E-INVLD_IPADDR Invalid IP address <address> specified

Explanation:

The IP address specified is invalid.

Recommended Action:

Specify a valid IP address.

%PBR-E-IPONLY Policy can be applied to IP ACLs only -- ignoring <acl>

Explanation:

Only IP ACLs can be specified for the policy.

Recommended Action:

Specify an IP ACL.

%PBR-E-NOMEM Processing error -- out of memory <string>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact DIGITAL Technical Support.

%PBR-E-NONIIF Cannot apply policy to non IP interface <name>

Explanation:

The interface to which the policy is being applied is a non-IP interface.

Recommended Action:

Apply the policy to an IP interface.

%PBR-E-NOSUCHIF Interface <name> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name and make sure it exists.

%PBR-E-NOSUCHRULE Could not find policy <name>

Explanation:

The specified policy name does not exist.

Recommended Action:

Make sure that the policy name is valid.

%PBR-E-TOOMANY Maximum of <number> next-hops can be specified

Explanation:

Too many next hops are specified.

Recommended Action:

A maximum of four next hops can be specified in a single instance of the next hop list. Make sure that four or fewer next hops are specified.

%PBR-E-TOOMANYACLs Maximum of <number> ACLs can be specified

Explanation:

Too many ACLs are specified.

Recommended Action:

A maximum of 20 ACLs can be specified in a single policy statement. Make sure that less than 20 ACLs are specified.

Chapter 31

Ping Error Messages

This chapter describes the error messages for the Ping facility.

Error Messages

%PING-E-BADVALUE invalid value (must be between <number> and <number>)

Explanation:

This message appears when the user specified a value that is out of range.

Recommended Action:

Type the value within the range specified in this error message.

%PING-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the Ping system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%PING-E-MINVALUE value must be *<min-_number>* or higher

Explanation:

This message appears when the user specifies a value that is too low.

Recommended Action:

Type the value within the range specified in this error message.

%PING-E-NOMEM processing error - insufficient memory

Explanation:

The GSR does not have enough memory to run ping. This could occur because the system has too much memory tied up in different protocols.

Recommended Action:

Free up some memory and retry the PING operation.

%PING-E-TOOSHORT packet too short (*<number>* bytes) from *<host_name>*

Explanation:

Ping packets returned by the remote host were too short.

Recommended Action:

Verify network connectivity and operation of the remote host.

%PING-E-UNKWNHOST unknown host *<host_name>*

Explanation:

This message appears when the IP address of a specified hostname could not be resolved.

Recommended Action:

Verify host name and re-enter command.

Chapter 32

POLICY Error Messages

This chapter describes the error messages for the POLICY facility.

Warning Messages

%POLICY-W-PROTOMETIGN Invalid metric value (<number>) for <address> is ignored.

Explanation:

This message appears when the user specifies a metric for the export-source or filter that does not coincide with the given protocol. The metric assignment has been ignored.

Recommended Action:

If you desire a different behavior on the export-source or filter in question, re-enter the command with a metric that coincides with the given protocol.

Error Messages

%POLICY-E-ASPATHALLOCFAIL Malloc failed for aspath.

Explanation:

This error message appears when the GSR routing process is unable to allocate the necessary memory for autonomous system path (Aspath) specification.

Recommended Action:

Please contact DIGITAL Technical Support.

%POLICY-E-ASPATHNULL AS Path is null.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-ASPATHNONNULL AS Path is non null.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-ATTRIBUTEEXISTS Attribute <name> exists in attribute list <name>.

Explanation:

An attribute of the same type and value already exists in the indicated Attribute List.

Recommended Action:

Delete the existing attribute entry from the indicated Attribute List and add the updated attribute entry.

%POLICY-E-ATTRIBUTEOVFL No more free attributes max <number> current <number> in list <name>**Explanation:**

The maximum number of entries is already present in an attribute list.

Recommended Action:

Delete an existing attribute entry from the indicated Attribute List and add the new attribute entry.

%POLICY-E-ATTRLISTNOTFOUND Attribute list with id <number> not found.**Explanation:**

A reference was made to a non-existent attribute list.

Recommended Action:

Create a new attribute list and add the needed entries into it.

%POLICY-E-ATTRLISTOVFL No more free attribute lists max <number> current <number>**Explanation:**

Maximum number of attribute lists have already been created.

Recommended Action:

Delete an existing attribute list. Add the new attribute list.

%POLICY-E-ATTRLISTIDEXIST Attribute list <name> already exists.**Explanation:**

An attempt was made to create an Attribute List with an identifier that is the same as an existing Attribute List.

Recommended Action:

Delete the existing attribute list or give the new attribute list a different identifier.

%POLICY-E-EXPDSTIDEXIST Export destination <name> already exists.

Explanation:

Multiple export destination policies have been created, and at least 2 of them were assigned the same identifier.

Recommended Action:

Use a unique identifier for each export destination entry.

%POLICY-E-EXPDSTNOTFOUND Export destination <name> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) export-destination identifier.

Recommended Action:

Select a valid identifier.

%POLICY-E-EXPDSTOVFL No more free export destinations max <number> current <number>

Explanation:

The maximum number of export-destination policy entries has been reached.

Recommended Action:

If possible, remove unused export-destination policy entries.

%POLICY-E-EXPPLCYINUSE Export policy at index (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-EXPPOLICYOVFL No more free export policies (max <number> current <number>).

Explanation:

The maximum number of export policies has been reached.

Recommended Action:

If possible, remove unused export policy entries.

%POLICY-E-EXPSRCFLTROVFL No more free route filters for this exported source max <number> current <number>

Explanation:

The maximum number of route filters being exported from a single source (e.g. from RIP) has been reached.

Recommended Action:

If possible, remove unused route filters.

%POLICY-E-EXPSRCIDEXIST Export source <name> already exists.

Explanation:

Multiple export-source policies have been created, and at least 2 of them were assigned the same identifier.

Recommended Action:

Use a unique identifier for each export-source entry.

%POLICY-E-EXPSRCNOTFOUND Export source <name> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) export-source identifier.

Recommended Action:

Select a valid identifier.

**%POLICY-E-EXPSRCOVFL No more free export sources max
<number> current <number>**

Explanation:

The maximum number of export-source policy entries has been reached.

Recommended Action:

If possible, remove unused export-source policy entries.

**%POLICY-E-FILTRDSRCOVFL No more free export-sources for this
policy max <number> current <number>**

Explanation:

The maximum number of export-source policy entries has been reached.

Recommended Action:

If possible, remove unused export-source policy entries.

%POLICY-E-FILTERIDEXIST Route Filter <name> already exists.

Explanation:

Multiple route filters using the same identifier have been configured.

Recommended Action:

Use a unique identifier per route filter entry.

%POLICY-E-FILTERNOTFOUND Filter with id <name> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) filter identifier.

Recommended Action:

Select a valid filter identifier.

%POLICY-E-FILTEROVFL No more free filters max <number> current <number>

Explanation:

The maximum number of route filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new filter and add new routes to the new filter.

%POLICY-E-FLTRDSRCINUSE Filtered source at index (<number>) within export policy (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPFLTERR Mismatch about number of implicit filters (max <number> cur <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPFLTRERR Number of import filters mismatch (max <number> cur <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPFLTINUSE Implicit filter at index (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPFLTRINUSE Source filter at index (<number>) for policy (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPFLTRNOTFOUND Implicit filter <name> not found

Explanation:

This error message is displayed when the user attempts to specify an implicit filter name that is unrecognizable or undefined.

Recommended Action:

Ensure that you are specifying the appropriate filter name and/or the syntax is correct.

%POLICY-E-IMPFLTROVFL No more free implicit filters max <number> current <number>

Explanation:

The maximum number of implicit filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new implicit filter and add new routes to the new implicit filter.

%POLICY-E-IMPPLCYINUSE Import policy at index (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMPPOLICYOVFL No more free import policies max <number> current <number>

Explanation:

The maximum number of import policies has been reached.

Recommended Action:

If possible, remove unused import policy entries.

%POLICY-E-IMPSRCFLTROVFL No more free route filters for this imported source max <number> current <number>.

Explanation:

The maximum number of route filters being imported from a single source (e.g., from RIP) has been reached.

Recommended Action:

If possible, remove unused route filters.

%POLICY-E-INVEXPPLCYIDX Invalid export policy index (max <number> index <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-INVFLTRDSRCIDX Invalid filtered-source index (max <number> index <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-INVIMPFLTIDX Invalid implicit filter index (max <number> index <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-INVIMPFLTRIDX Invalid source-filter index (max <number> index <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-INVIMPPLCYIDX Invalid import policy index (max <number>index <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-INVSRCLTRIDX Invalid source-filter index (max <number> index <number>).**Explanation:**

The maximum number of route filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new filter and add new routes to the new filter.

%POLICY-E-NETWKOVFL No more free networks max <number> current <number> in filter <name>**Explanation:**

The maximum number of networks that can be added to a filter has been reached.

Recommended Action:

Create a new filter and then add the desired network to the new filter.

%POLICY-E-NETWORKEXISTS Network <network_name> exists in filter <filter_name>.**Explanation:**

Multiple networks have been added to a filter. Some of the configured networks are duplicates.

Recommended Action:

Remove one of the duplicate networks.

%POLICY-E-NOASNUMEXPDST AS number required for exporting routes to BGP. Routes will not be exported to BGP.**Explanation:**

This error message appears when the user attempts to export routes to BGP with an undefined or otherwise invalid AS number association.

Recommended Action:

Ensure that you have associated a valid AS number with the routes you wish to export to BGP, then try again.

%POLICY-E-NOASNUMEXPSRC AS number required for exporting BGP routes. BGP routes will not be exported.

Explanation:

This error message appears when the user attempts to export BGP routes with an undefined or otherwise invalid AS number association.

Recommended Action:

Ensure that you have associated a valid AS number with the BGP routes you wish to export, then try again.

%POLICY-E-NOTRSVDCOMM Community 0x<hex_vlaue> is not a reserved community.

Explanation:

Community attribute values in the ranges 0x0000FFFF-0x00000000 and 0xFFFFFFFF-0xFFFFF0000 are reserved. Specified community is not a reserved community.

Recommended Action:

Enter a valid value for a reserved community.

%POLICY-E-NUMOFEXPDESTERR Numof export dests mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFEXPPLCYERR Numof export policy mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFEXPFLTERR Numof export filters mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFEXPSRCERR Numof export sources mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFFLTDSRCERR Numof filtered sources mismatch (max <number> cur <number>)

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFIMPORTFLTERR Numof import filter mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFIMPPLCYERR Numof import policy mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFIMPSRCERR Numof import sources mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-NUMOFRTFLTRERR Numof route filters mismatch (max <number> cur <number>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%POLICY-E-RSVDCOMMWKN Reserved community 0x<hex_value> is Well Known.

Explanation:

The reserved community value specified is well known.

Recommended Action:

Use the well-known community option to specify well-known communities.

%POLICY-E-SRCFLTRERR Number of source filters mismatch (max <number> cur <number>).

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-SRCFLTRINUSE Source filter at index (<number>) within source (<number>) for policy (<number>) is in use.

Explanation:

An internal error has occurred in the GSR routing process.

Recommended Action:

Please call DIGITAL Technical Support.

%POLICY-E-IMP_SRCIDEXIST Import source <name> already exists.

Explanation:

Multiple import sources have been created. At least two of them were assigned the same identifier.

Recommended Action:

Use a unique identifier when creating import sources.

%POLICY-E-IMP_SRCNOTFOUND Import source <name> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) import-source identifier.

Recommended Action:

Select a valid identifier.

%POLICY-E-IMPSCOVFL No more free import sources max <number> current <number>.

Explanation:

The maximum number of import-source policy entries has been reached.

Recommended Action:

If possible, remove unused import-source policy entries.

Fatal Errors

%POLICY-F-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the Policy request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 33

QOS Error Messages

This chapter describes the error messages for the Quality of Service facility.

Informational Messages

%QOS-I-MATCHINGENTRY Matching entry with equal priority exists

Explanation:

This message appears when a matching flow exists with the same priority.

Recommended Action:

Informational Message. No action necessary.

%QOS-I-NOENTRY Entry does not exist

Explanation:

This message appears when a matching flow does not exist.

Recommended Action:

Informational Message. No action necessary.

%QOS-I-NOOP No action taken.

Explanation:

This message appears when no action was taken.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%QOS-W-VCNOTALLOWED VC is not allowed on this command

Explanation:

You cannot specify a VC when specifying a WAN port for this command.

Recommended Action:

Specify a WAN port without any VCs.

Error Messages

%QOS-E-BWALREADYSETThe bandwidth has already been set for port <port>. Delete the earlier setting before assigning new values.

Explanation:

This message appears when the user attempts to specify bandwidth requirements on a port where the bandwidth has already been set.

Recommended Action:

Remove the previous bandwidth settings before specifying the new ones.

%QOS-E-DSTNETWORKNOTSPCFYDSpecify a destination network for the destination mask**Explanation:**

This message appears when a destination network was not specified for the destination mask to apply.

Recommended Action:

Specify a destination network for the destination mask.

%QOS-E-IFNOTFOUND <interface_name>: no such interface**Explanation:**

This message appears when the specified interface does not exist.

Recommended Action:

Create the interface before specifying it.

%QOS-E-NEGATEBWALLOC Negate the line qos set weighted-fair control <number> high <number> medium <number> low <number> for port <port> before negating this line.**Explanation:**

The command line `qos set queueing-policy weighted-fair` cannot be negated.

Recommended Action:

Negate the line `qos set weighted-fair control <number> high <number> medium <number> low <number>` before negating the line `qos set queueing-policy weighted-fair`.

%QOS-E-NOTANIPINTF Not an IP interface**Explanation:**

The interface specified for the QOS IP flow is not an IP interface.

Recommended Action:

Specify an IP interface for the QOS IP flow.

%QOS-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when QOS is unable to allocate memory.

Recommended Action:

Try deleting old flows before trying to create new ones.

%QOS-E-NOTANIPXINTF Not an IPX interface

Explanation:

The interface specified for the QOS IPX flow is not an IPX interface.

Recommended Action:

Specify an IPX interface for the QOS IPX flow.

%QOS-E-NOTINL4BDGVLAN Port <port_name> does not belong to an L4 bridged VLAN. Cannot apply QOS to it.

Explanation:

The indicated port is not a member of a Layer 4 bridging VLAN.

Recommended Action:

Remove the port from the port list.

%QOS-E-SPCFYFLOWFIELDS Specify flow fields

Explanation:

This message appears when no flow fields were specified.

Recommended Action:

Specify at least one flow field.

%QOS-E-SRCNETWORKNOTSPCFYDSpecify a source network for the source mask**Explanation:**

This message appears when a source network was not specified for the source mask to apply.

Recommended Action:

Specify a source network for the source mask.

%QOS-E-WFQNOTENABLED Weighted Fair Queuing policy not enabled on port <port>**Explanation:**

This message appears when the Weighted Fair Queuing policy was not enabled on the specified port.

Recommended Action:

Enable the Weighted Fair Queuing policy before setting bandwidth.

%QOS-E-WFQVALUESINCORRECTWeighted Fair Queuing bandwidth allocation values incorrect**Explanation:**

This message appears when the Weighted Fair Queuing bandwidth allocation values are incorrect.

Recommended Action:

The bandwidth allocation for the control, high, medium, and low queues should total 100.

%QOS-E-WRONGPRIOVALUE 1Q priority cannot be applied to interface**Explanation:**

This message appears when an invalid 802.1q priority is specified using the CLI.

Recommended Action:

Correct the CLI-specified priority value.

%QOS-E-VCNOTALLOWED VC is not allowed on this command

Explanation:

You cannot specify a VC when specifying a WAN port for this command.

Recommended Action:

Specify a WAN port without any VCs.

Chapter 34

Rate Limit Error Messages

This chapter describes the error messages for the rate limit facility.

Informational Messages

%RL-I-CREATED Rate limit policy *<name>* has been successfully created for ACL(s) *<acl list>*

Explanation:

The rate limit policy has been created for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%RL-I-DELETED Rate limit policy *<name>* has been successfully deleted for ACL(s) *<acl list>*

Explanation:

The rate limit policy has been deleted for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%RL-I-INTERFACE Rate limit policy <name> has been successfully attached to/attached from <interface> interface

Explanation:

The rate limit policy has been applied to the specified interface.

Recommended Action:

Informational message. No action necessary.

%RL-I-NOALL No Rate limit policy applied to all IP interfaces

Explanation:

There is no rate limit policy that is applied to all IP interfaces.

Recommended Action:

Informational message. No action necessary.

Warning Messages

%RL-W-INVLD_IPADDR Invalid IP address <address> specified, ignoring

Explanation:

An invalid IP address was specified.

Recommended Action:

Check the address shown. Specify a valid IP address.

%RL-W-IPONLY Rate limit policy can be applied to IP ACLs only -- ignoring <acl list>

Explanation:

One or more specified ACLs are not IP ACLs.

Recommended Action:

Specify IP ACLs only.

Error Messages

%RL-E-ACLNOTFOUND Rule <acl/> not present

Explanation:

The specified ACL is not found.

Recommended Action:

Check the ACL name and make sure it exists.

%RL-E-APPLIED Rate limit policy has other commands attached -- negate these commands first

Explanation:

The rate limit policy that is being negated has other commands applied to it. This policy cannot be deleted before the other applied commands.

Recommended Action:

Negate the other commands that are applied to this policy before deleting this policy.

%RL-E-NOMEM Processing error -- out of memory <string>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact DIGITAL Technical Support.

%RL-E-NONIPIF Cannot apply rate limit policy to non IP interface <name>

Explanation:

The interface to which the rate limit policy is being applied is a non-IP interface.

Recommended Action:

Apply the rate limit policy to an IP interface.

%RL-E-NOPOLICY No rate limit policy applied to interface <name>

Explanation:

No rate limit policy is applied to the specified interface.

Recommended Action:

Specify an interface to which a rate limit policy is applied.

%RL-E-NO PORTINFO No information for interface <name>

Explanation:

There is no information available for the specified interface.

Recommended Action:

Make sure that the interface exists.

%RL-E-NOSUCHIF Interface <name> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name and make sure it exists.

%RL-E-NOSUCHRULE Could not find rate limit policy <name>

Explanation:

The specified rate limit policy name does not exist.

Recommended Action:

Make sure that the rate limit policy name is valid.

%RL-E-TOOMANYACLS Too many acls specified

Explanation:

Too many ACLs are specified.

Recommended Action:

A maximum of 20 ACLs can be specified in a single rate limit policy statement. Make sure that less than 20 ACLs are specified.

Chapter 35

RCP Error Messages

This chapter describes the error messages for the RCP facility.

Informational Messages

%RCP-I-STATUS RCP <*status_code*>

Explanation:

This message appears to display the status of the RCP data transfer.

Recommended Action:

Informational Message. No action necessary.

%RCP-I-TRANS Nothing to transfer from <*name*>

Explanation:

This message appears when there was nothing in the active or transient database to transfer.

Recommended Action:

Informational Message. No action necessary.

%RCP-I-XFERRATE <string> <number> bytes in <number>.<number> seconds

Explanation:

This message appears to display the rate of data transfer.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%RCP-W-DIFF_USERNAME TACACS username <name> differs from the CLI username <name>, using TACACS username.

Explanation:

This error message appears when the user specifies an RCP username that is different from the original TACACS or RADIUS login username.

Recommended Action:

This warning message is merely informational, letting you know that the GSR will use the specified TACACS/RADIUS username rather than the RCP username. No action is required unless you wish to specify a different name.

%RCP-W-INVLD Invalid <username>: <username>

Explanation:

This message appears when the username entered contains illegal characters (non_alphanumeric characters except '-' and '_').

Recommended Action:

Verify the username.

%RCP-W-NORESP No response from <server_name>

Explanation:

This message appears when the RCP server stops responding.

Recommended Action:

Verify operation of RCP server.

Error Messages

%RCP-E-ALLUSE RCMD: All sockets are in use

Explanation:

This message appears when the GSR could not get a socket on the RCP server to establish connection for data transfer.

Recommended Action:

The RCP server is busy, try again later.

%RCP-E-BADFILE Bad file name: <filename>

Explanation:

This message appears when a bad file name is given to be copied.

Recommended Action:

Check the file name.

%RCP-E-BADRCPURL Bad RCP URL '<url_type>:/ /<url_name>'

Explanation:

This message appears when the RCP command (URL form) contains an invalid format.

Recommended Action:

Check the format and try again.

%RCP-E-BADTARGET Ambiguous Target

Explanation:

This message appears when you passed bad parameters for copying.

Recommended Action:

Check parameters and try again.

%RCP-E-CONNECTION Lost connection <number>

Explanation:

This message appears when you lost the connection with the RCP server while transferring data.

Recommended Action:

Check if the RCP server is responding. If it is responding, try again.

%RCP-E-CONN RCMD: Connect to address: <address>

Explanation:

This message appears when the GSR could not connect to the RCP server.

Recommended Action:

The RCP server is busy, try again later.

%RCP-E-CTRL Error in control packet <string>

Explanation:

This message appears when an internal protocol error occurred.

Recommended Action:

Please try RCP again.

%RCP-E-FILE Could not <string> file <filename>

Explanation:

This message appears when the GSR could not open a file on the local file system for writing.

Recommended Action:

Check permissions and file system space available.

%RCP-E-FORMAT <filename> name format error <error_type>**Explanation:**

This message appears when a file name contains a colon (:).

Recommended Action:

Remove the colon (:) from the file name.

%RCP-E-FSTAT File (<filename>) not found**Explanation:**

This message appears when the local file to be copied could not be found on the file system.

Recommended Action:

Check if file exists, or file name is correct.

%RCP-E-NAME <filename> not specified**Explanation:**

This message appears when the file to be copied was not specified.

Recommended Action:

Give the name of the file to be transferred.

%RCP-E-PERM Permission denied**Explanation:**

This message appears when the user does not have access to copy files on the remote or local file system.

Recommended Action:

Use the correct user name and/or check permissions on the server.

%RCP-E-PROTO Protocol error: <error_type>

Explanation:

This message appears when some RCP protocol error occurred.

Recommended Action:

Please try RCP again.

%RCP-E-RCMD rcmd failed

Explanation:

This message appears when the GSR could not establish connection with the RCP server. This could be caused if the server is not present, there is no route to the server, server does not respond.

Recommended Action:

Verify that we have a route to the server, and the server is responding.

%RCP-E-REMOTE Remote error <error_type>

Explanation:

This message appears when some error occurred on the RCP server. Mostly this should occur if the file specified on the RCP server does not exist, or there were permission problems. The error should be printed out along with the message.

Recommended Action:

Check if file exists on the RCP server and/or permissions are OK.

%RCP-E-SOCK RCMD: Socket: <name>

Explanation:

This message appears when the GSR could not open a socket connection with the RCP server.

Recommended Action:

The RCP server is busy, try again later.

%RCP-E-TXFR Error while transferring data

Explanation:

This message appears when some error occurred during data transfer (TCP broken pipe).

Recommended Action:

Verify server is responding, and try again.

%RCP-E-UNREACH Host <host_name> unreachable

Explanation:

This message appears when we do not have a route to the RCP server.

Recommended Action:

Check if the RCP server is reachable.

%RCP-E-WRITE RCMD: Write (setting up stderr): <error_type>

Explanation:

This message appears when the GSR could not send data over the socket.

Recommended Action:

Try again.

Chapter 36

RDISC Error Messages

This chapter describes the error messages for the RDISC facility.

Error Messages

%RDISC-E-ADDREXISTS: Address *<address>* already exists

Explanation:

The address has already been added to the rdisc configuration.

Recommended Action:

Specify a different address.

%RDISC-E-ADDRNOTFOUND: *<address>* is not a known address

Explanation:

The address that has been specified does not exist.

Recommended Action:

Check the address and try again.

%RDISC-E-ADDROVFL: No more free addresses max <number> current <number>.

Explanation:

The maximum number of addresses that can be configured for RDISC has been reached. (By default, all addresses on an RDISC-enabled interface are included in router advertisements.)

Recommended Action:

Delete any addresses that should not be included in router advertisements.

%RDISC-E-BADADVLIFETIME: Advertisement lifetime - invalid value (must be between <number> and <number>).

Explanation:

The configured value of the Advertisement Lifetime parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-BADMAXINTERVAL: Maximum advertisement interval - invalid value (must be between <number> and <number>).

Explanation:

The configured value of the Maximum Advertisement Interval parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-BADMININTERVAL: Minimum advertisement interval - invalid value (must be between <number> and <number>).

Explanation:

The configured value of the Minimum Advertisement Interval parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-IFEXISTS: Interface <name> already exists.

Explanation:

The interface name has already been added to the rdisc configuraration.

Recommended Action:

Specify a different interface name.

%RDISC-E-IFNOTFOUND: <name> is not a known interface.

Explanation:

The interface name that has been specified does not exist.

Recommended Action:

Check the name and try the again.

%RDISC-E-IFOVFL: No more free interfaces max <number> current <number>.

Explanation:

The maximum number of interfaces that can be configured for RDISC has been reached.

Recommended Action:

Delete any interfaces on which router advertisement does not need to be enabled.

%RDISC-E-INVCFG: RDISC cannot run because of invalid configuration

Explanation:

You have specified conflicting RDISC parameters in the configuration.

Recommended Action:

Correct the configuration and restart RDISC.

%RDISC-E-NOSUCHTASK: RDISC Task does not exist

Explanation:

RDISC has not started.

Recommended Action:

Start RDISC using the 'rdisc start' command.

%RDISC-E-NUMOFADDRERR: Num of addresses mismatch (max <number> cur <number>).

Explanation:

Internal error.

Recommended Action:

Call DIGITAL Technical Support.

%RDISC-E-NUMOFIFERR: Num of interfaces mismatch (max <number> cur <number>).

Explanation:

Internal error.

Recommended Action:

Please call DIGITAL Technical Support.

%RDISC-E-OBJMISS: RDISC object to be displayed must be specified

Explanation:

No RDISC object was specified with the 'rdisc show' command.

Recommended Action:

Specify an address or an interface name along with the show command.

%RDISC-E-TSKDELETED: RDISC Task is in deleted state

Explanation:

RDISC has not started.

Recommended Action:

Start RDISC using the 'rdisc start' command.

Chapter 37

Resolver Error Messages

This chapter describes the error messages for the Resolver facility.

Informational Messages

%RES-I-BADARCRD gethostbyaddr: A record of <name> != PTR record [<name>]

Explanation:

This message appears when the host address is not found.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-I-NOHST gethostbyaddr: No A record for <name> (verifying [<name>])

Explanation:

This message appears when DNS could not resolve a host name.

Recommended Action:

Verify host name and re-enter command.

%RES-I-QUERY1 gethostby*.getanswer: asked for "<name>", got "<name>"

Explanation:

This message appears when an informational message denoting QUERY1 has been received.

Recommended Action:

Informational Message. No action necessary.

%RES-I-QUERY3gethostby*.getanswer: asked for "<name> <name> <name>", got type "<name>"

Explanation:

This message appears when an informational message denoting QUERY3 has been received.

Recommended Action:

Informational Message. No action necessary.

Error Messages

%RES-E-BADAF bad address family '<number>'

Explanation:

This message appears when you have entered a bad address family.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-BADQTYPE bad query type '<number>'

Explanation:

This message appears when you have entered a bad query type.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-BASE64 output is not in base-64

Explanation:

This message appears when the output from DNS is not base-64.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-FAILED DNS resolver failed: <name>(<name>)

Explanation:

This message appears when the Domain Name Server resolver failed.

Recommended Action:

Check name for DNS. Check to make sure DNS is configured properly.

Chapter 38

RIP Error Messages

This chapter describes the error messages for the Routing Information Protocol facility.

Error Messages

%RIP-E-IFEXISTS Interface *<interface_name>* already exists.

Explanation:

A RIP parameter has been configured for an interface that does not exist.

Recommended Action:

Use a valid interface.

%RIP-E-IFNOTFOUND *<interface_name>* is not a known interface.

Explanation:

A RIP parameter has been configured for an interface that does not exist.

Recommended Action:

Use a valid interface.

%RIP-E-IFOVFL No more free interfaces max <number> current <number>.

Explanation:

The maximum number of interfaces that can be added to RIP has been reached.

Recommended Action:

If possible, remove unused interfaces.

%RIP-E-NOSUCHTASK RIP Task does not exist.

Explanation:

The user attempted to display RIP information. However, RIP is not running.

Recommended Action:

Either RIP has not been started, or RIP was started but the routing configuration is invalid. Refer to error messages that were displayed after the configuration changes were made active.

%RIP-E-NUMOFIFERR Numof interfaces mismatch (max <number> cur <number>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%RIP-E-NUMOFSGWAYERR Numof source gateways mismatch (max <number> cur <number>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%RIP-E-NUMOFTGWAYERR Numof trusted gateways mismatch (max <number> cur <number>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%RIP-E-OBJMISS RIP object to be displayed must be specified.

Explanation:

Insufficient information provided while executing the **rip show** CLI command.

Recommended Action:

Choose a valid option while executing the **rip show option** command.

%RIP-E-SGWAYEXISTS Source Gateway <name> already exists.

Explanation:

A RIP source-gateway has been defined multiple times.

Recommended Action:

Remove the duplicate source-gateway entries.

%RIP-E-SGWAYOVFL No more free source gateways max <number> current <number>.

Explanation:

The maximum number RIP source-gateways that can be configured has been reached.

Recommended Action:

If possible, remove unused source-gateways.

%RIP-E-TGWAYEXISTS Trusted Gateway <name> already exists.

Explanation:

A RIP trusted-gateway has been defined multiple times.

Recommended Action:

Remove the duplicate trusted-gateway entries.

%RIP-E-TGWAYOVFL No more free trusted gateways max <number> current <number>.

Explanation:

The maximum number RIP trusted-gateways that can be configured has been reached.

Recommended Action:

If possible, remove unused source-gateways.

%RIP-E-TSKDELETED RIP Task is in deleted state (flags=0x<hex_value>)

Explanation:

The user attempted to display RIP information. However, RIP is not running.

Recommended Action:

RIP was started but the routing configuration is invalid. Refer to error messages that were displayed after the configuration changes were made active.

Fatal Errors

%RIP-F-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the RIP request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 39

RMON Error Messages

This chapter describes the error messages for the Remote Network Monitoring facility.

Informational Messages

%RMON-I-ADD_MEM A total of <number> bytes has been allocated for RMON

Explanation:

The number of bytes of memory shown is allocated to RMON.

Recommended Action:

Informational message. No action required.

%RMON-I-DISABLED RMON has been disabled.

Explanation:

RMON has been disabled on the GSR.

Recommended Action:

Informational message. No action required.

%RMON-I-ENABLED RMON has been enabled.

Explanation:

RMON is enabled on the GSR.

Recommended Action:

Informational message. No action required.

%RMON-I-IS_DISABLED RMON is disabled.

Explanation:

RMON must be enabled. By default, RMON is disabled on the GSR.

Recommended Action:

Issue the rmon enable command.

%RMON-I-LITE_DEF Lite default tables have been enabled.

Explanation:

Default control tables for the Lite group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-LITE_DEL_DEF Lite default tables have been deleted.

Explanation:

Default control tables for the Lite group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-LITE_NON_DEF Manual CLI Lite commands have been enabled.

Explanation:

RMON is enabled with Lite groups.

Recommended Action:

Informational message. No action required.

%RMON-I-LITE_OFF Lite has been disabled.

Explanation:

RMON Lite groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-MARKED_DEL RMON additional RMON memory has been marked for deletion.

Explanation:

Memory has been freed from RMON. When memory is marked for deletion, it is returned to the system.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_DEF Professional default tables have been enabled.

Explanation:

Default control tables for the Professional group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_DEL_DEF Professional default tables have been deleted.

Explanation:

Default control tables for the Professional group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-PRO_NON_DEF Manual CLI Professional commands have been enabled.

Explanation:

RMON is enabled with Professional groups.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_OFF Professional has been disabled.

Explanation:

RMON Professional groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_DEF Standard default tables have been enabled.

Explanation:

Default control tables for the Standard group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_DEL_DEF Standard default tables have been deleted.**Explanation:**

Default control tables for the Standard group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-STD_NON_DEF Manual CLI Standard commands have been enabled.**Explanation:**

RMON is enabled with Standard groups.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_OFF Standard has been disabled.**Explanation:**

RMON Standard groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-WAIT Waiting 3 seconds for SNMP agent to complete RMON config task**Explanation:**

The RMON configuration is being processed by the SNMP agent.

Recommended Action:

Informational message. No action required.

Warning Messages

%RMON-W-BUCKETS <name> index <number> - <number> buckets out of <number> were allocated.

Explanation:

Buckets are used in history tables to collect a serial of data (number of buckets) over a certain interval.

Recommended Action:

No action required.

%RMON-W-CONTROL_INDEX <group> Control Index <number> does not exist. Cannot add index entry.

Explanation:

Configuring the RMON Host-Top-N group requires that you specify an index for the Host table, while configuring the AI-Matrix-Top-N and NL-Matrix-Top-N groups require that you specify an index for the HL-Matrix table. The index specified does not exist.

Recommended Action:

Check the index that you specified for the Host or HL-Matrix table. If necessary, you must configure the index entry in the Host or HL-Matrix table first.

%RMON-W-LITE_OFF RMON Lite is disabled.

Explanation:

The RMON groups Alarm, Event, History, and Etherstats are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

%RMON-W-MAX_ROWS Cannot add <name> row for port <port> - maximum number of rows <number> reached.**Explanation:**

A maximum of 65535 rows can be specified for the RMON group.

Recommended Action:

Do not configure more than 65535 rows for the group.

%RMON-W-MEM_RANGE Memory requested is less than presently allocated. Restart RMON to take effect.**Explanation:**

The memory allocation specified with the rmon set memory command is less than the amount of memory allocated when RMON was enabled.

Recommended Action:

Restart RMON to use the new memory allocation.

%RMON-W-NO_IFINDEX Cannot add <name> index <number> row - could not find ifIndex for port <port>.**Explanation:**

The index number uniquely identifies a row in a table. Some RMON commands refer to other commands by the index number.

Recommended Action:

Check the RMON configuration.

%RMON-W-NO_MEM RMON memory failure: <name> index <number> (max <size> Meg). Please add memory and restart RMON.**Explanation:**

RMON is out of memory.

Recommended Action:

Allocate more memory with the rmon set memory command. Verify the memory with the rmon show status command.

%RMON-W-OID_BIND Cannot add <name> index <number> row - could not bind oid for ifIndex <number>.

Explanation:

The index number uniquely identifies a row in a table. Some RMON commands refer to other commands by the index number.

Recommended Action:

Check the RMON configuration.

%RMON-W-PRO_OFF RMON Professional is disabled.

Explanation:

The RMON 2 groups are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

%RMON-W-REBOOT_NOW RMON coldBoot command accepted from <name>.

Explanation:

The GSR has accepted a reboot request via SNMP from the specified host IP system.

Recommended Action:

No action required.

%RMON-W-ROW_EXISTS Row index = <index> was already active, deleting it.

Explanation:

A row containing collected data was deleted. Data will no longer be collected for the data source specified by the row.

Recommended Action:

Verify that you do not want data collected for the deleted entry. To collect data for the deleted entry, you need to use the appropriate rmon command to add a table row.

%RMON-W-SNMPOFF SNMP is disabled. Cannot turn on RMON.

Explanation:

SNMP must be enabled for RMON to function.

Recommended Action:

Enable SNMP.

%RMON-W-STD_OFF RMON Standard is disabled.

Explanation:

The RMON groups Host, Matrix, Matrix-Top-N, Filter, and Channel are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

Error Messages

%RMON-E-ALIGN Request for unaligned memory of size <number> bytes rounded up.

Explanation:

Internal error.

Recommended Action:

Please call DIGITAL Technical Support.

%RMON-E-DS_BIND Cannot add <name> index <number> row - could not bind data source ifIndex <number>.

Explanation:

A system error occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%RMON-E-ENABLE_FAILURE Cannot enable RMON without enabling either Lite, Std, or Pro.

Explanation:

You must configure the Lite, Standard, or Professional RMON groups before enabling RMON.

Recommended Action:

Specify an `rmon set lite | standard | professional` command in your configuration.

%RMON-E-FILTER_ID_EXISTS Filter Id <number>, is already taken.

Explanation:

The specified filter ID is already being used.

Recommended Action:

Use a different identifier when creating the filter.

%RMON-E-FILTER_ID_NOTEXISTS Filter Id <number>, does not exist.

Explanation:

The specified filter ID does not exist.

Recommended Action:

Check the existing filters for the correct ID.

%RMON-E-ICERROR Invalid sample data <data>=<number> sample=<number> found.

Explanation:

Internal error.

Recommended Action:

Please call DIGITAL Technical Support.

%RMON-E-INCONSISTENT RMON configuration is in an inconsistent state. RMON tables do not reflect configuration file.**Explanation:**

Internal error.

Recommended Action:

Please call DIGITAL Technical Support.

%RMON-E-INVALID_OID Object identifier is not an integer or doesn't exist. Index: <number>**Explanation:**

A command attempted to set a control for a port that does not exist.

Recommended Action:

Check the object identifier and make sure that it references an existing port.

%RMON-E-NOMEM Reached max of <number> Meg, <?> - Index(<index>).**Explanation:**

The GSR is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%RMON-E-NOSSRMEM No more memory available on GSR.**Explanation:**

The GSR is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%RMON-E-PROTOCOL Protocol <name>, not found.

Explanation:

The probe does not support the requested protocol in the protocol directory.

Recommended Action:

Use the `rmon show protocol-directory` to see supported protocols.

%RMON-E-REG_CTRL Register Control table entry failed. No more memory.

Explanation:

The GSR is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the `system show capacity memory` command to see memory usage.

%RMON-E-SYNTAX_ERR A Syntax Error occurred while specifying an RMON filter.

Explanation:

There was a syntax error in the command to specify an RMON filter.

Recommended Action:

Check and correct the configuration command to specify a filter.

%RMON-E-TMR_BIND Cannot add <name> index <number> row - timerbind call failed.

Explanation:

A system error has occurred.

Recommended Action:

Please call DIGITAL Customer Support.

Chapter 40

Serial (WAN) Error Messages

This chapter describes the error messages for the Serial facility used by the WAN software.

Informational Messages

%SERIAL-I-DOWN frame-relay|ppp on port <port> is down

Explanation:

The specified port is operationally down. This could be due to no cable being connected, the port was disabled by the user, or the frame relay or PPP connection has been lost.

Recommended Action:

Informational message. No action required.

%SERIAL-I-FRCOMP_DOWN Compression is down on port <port> vc <number>

Explanation:

The message appears when Frame Relay compression (FRRF.9) has gone down. This message may not be seen very often, as the only way for compression to go down is for the VC to down in which case the "VC down" message is displayed.

Recommended Action:

Informational message. No action required.

%SERIAL-I-FRCOMP_UP Compression is up on port <port> vc <number>

Explanation:

The message appears when Frame Relay compression (FRF.9) was successfully negotiated and is now up.

Recommended Action:

Informational message. No action required.

%SERIAL-I-MP_DOWN PPP on <bundle> is up

Explanation:

The specified MLP bundle has gone down. All of the ports in the bundle are closed.

Recommended Action:

Informational message. No action required.

%SERIAL-I-MP_UP PPP on <bundle> is up

Explanation:

The specified MLP bundle has been opened (i.e., negotiation successfully completed). At least one port in the bundle is opened.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_MP_PROTOCOL_DOWN IP|IPX on <bundle> is down

Explanation:

The specified PPP protocol has closed the connection for the specified MLP bundle.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_MP_PROTOCOL_UP IP|IPX on <bundle> is up

Explanation:

The PPP protocol has been opened (i.e., negotiations successfully completed) for the specified MLP bundle.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_PROTOCOL_DOWN IP|IPX|Bridging on port <port> is up

Explanation:

The specified PPP protocol has closed the connection for the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_PROTOCOL_UP IP|IPX|Bridging on port <port> is up

Explanation:

The specified PPP protocol has been opened (i.e. negotiation successfully completed) for the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_SHUTDOWN PPP on port <port> was shutdown due to ECP negotiation failure

Explanation:

The PPP encryption protocol (ECP) was not successfully negotiated on the specified port. Instead of sending unencrypted traffic over the link, the link is shut down.

Recommended Action:

Check the ECP configuration.

%SERIAL-I-PPP_UNKNOWN_PROTOCOL_UP ppp protocol <number> on port <port> is up

Explanation:

An unknown protocol with the given protocol number is up on the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_UNKNOWN_PROTOCOL_DOWN ppp protocol <number> on port <port> is down

Explanation:

An unknown protocol with the given protocol number is down on the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPPSHIM_STATIC_ADDR ppp shim: Cannot update peer IP address on port <port>: address is static

Explanation:

During the PPP negotiation for IP, the peer sent its IP address. However, the user had already specified the peer IP address with the **interface create** CLI command.

Recommended Action:

Informational message. No action required.

%SERIAL-I-UP frame-relay|ppp on port <port> is up

Explanation:

The specified port is operationally up. Either frame relay or PPP was able to establish a connection.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_DOWN VC <number> on port <port> is down

Explanation:

The message appears when the specified VC on the port is down.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_RANGE_DOWN VCs <number> through <number> on port <port> are down

Explanation:

The message appears when all of the VCs in the range have gone down. This takes the place of individual “down” messages for each VC.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_RANGE_UP VCs <number> through <number> on port <port> are up

Explanation:

The message appears when all of the VCs in the range have come up. This takes the place of individual “up” messages for each VC.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_UP VC <number> on port <port> is up

Explanation:

The message appears when the specified VC on the port is up.

Recommended Action:

Informational message. No action required.

Warning Messages

%SERIAL-W-CTL_PKT_LOOPBACK frame-relay LMI|PPP LCP packet was looped back on port <port>

Explanation:

A frame relay LMI packet or a PPP Link Control Protocol packet on the specified port was looped back.

Recommended Action:

If this message appears only a few times immediately following boot up, no action is required. If this message continues to appear, check the CSU/DSU connection with the specified port to ensure it is not in loopback mode.

%SERIAL-W-DEC_DRIVER <text>

Explanation:

Generic warning message from the serial card's ethernet driver.

Recommended Action:

If this message appears repeatedly, contact DIGITAL Technical Support.

%SERIAL-W-EGRESS_DEC_SEND dec_send (wan to gs/r) failed

Explanation:

The WAN card could not send a packet to the main GSR.

Recommended Action:

If this message appears repeatedly, contact DIGITAL Technical Support.

%SERIAL-W-EGRESS_ERROR_INARP egress: inarp error

Explanation:

Could not resolve the inarp request.

Recommended Action:

If this message appears, one should check for IP or IPX addresses on both local and remote routers.

%SERIAL-W-EGRESS_ERROR_INARP_ADDR error: src and dst address are not on the same network(src <name>, dst <name>, netmask <number>)

Explanation:

This message appears when local and peer IP addresses configured for a VC or PPP port are on different subnets.

Recommended Action:

Check configuration to make sure local IP address is correct.

%SERIAL-W-ENGRESS_ERROR_INARP_DSTADDR inarp error: could not find any L3 entry which is on the same subnet as the given peer address(<ipaddr>)

Explanation:

Could not find L3 address which is on the same subnet as specified in the inarp request.

Recommended Action:

Check local and remote router's L3 address.

%SERIAL-W-ENGRESS_ERROR_INARP_IPX_ADDR error: src and dst address(<ipxaddr>) are not on the same network(src <ipxaddr>, dst <ipxaddr>)

Explanation:

This message appears when local and peer IPX addresses configured for a VC or PPP port are on different subnets.

Recommended Action:

Make sure both local and peer addresses are on the same network.

%SERIAL-W-ENGRESS_ERROR_INARP_RESOLVE inarp error: peer address(<ipaddr>) is the same as local address(<ipaddr>)

Explanation:

This message appears when the source address of inarp request/response is the same as the local address.

Recommended Action:

Make sure both local and peer addresses are on the same network.

%SERIAL-W-EGRESS_FR_FORMAT egress; wrong PDU format from vc <number> on port <name>

Explanation:

WAN card received packets with unrecognized protocol data unit format.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_NLPID egress: invalid nlpid(%x) or proto from vc <number>

Explanation:

Egress path received a packet with invalid nlpid of protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_OUI egress: invalid fr oui from vc <number> on port <port>

Explanation:

Egress path has received a packet with invalid organization unique ID of frame relay header.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_PID egress: invalid fr L3 pid(%x0 from vc <number> on port <port>

Explanation:

Egress path has received a frame relay packet with unrecognized protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_VC_DISABLED egress: VC <number> is not up on port <port>

Explanation:

Frame relay VC is operationally/administratively disabled.

Recommended Action:

Enable the frame relay VC or check if LMI is running.

%SERIAL-W-EGRESS_FR_VC_NOTCONF egress: VC <number> is not configured on port <name>

Explanation:

This message appears when receiving packets on a non-configured VC.

Recommended Action:

Configure the frame relay VC.

%SERIAL-W-EGRESS_MAC_TYPE egress: invalid MAC type on port <name>

Explanation:

Incoming packet does not have the 802.3 MAC type.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_PORT_DISABLED egress: PPP port is not up

Explanation:

PPP port is operationally or administratively disabled.

Recommended Action:

Enable the PPP port or check LCP/NCP.

%SERIAL-W-EGRESS_PPP_MP_PID egress: received mlp frames on port <name> which is not configured for mlp, discarding

Explanation:

The egress data path is not configured for MLP, but received an MLP packet.

Recommended Action:

Check the configuration.

%SERIAL-W-EGRESS_PPP_PID egress: invalid PPP proto id(%x) on port <name>

Explanation:

Received packets with unrecognized PPP protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-HDLC_DRIVER <text>

Explanation:

Generic warning message from the serial card's HDLC driver.

Recommended Action:

If this message appears repeatedly, contact DIGITAL Technical Support.

%SERIAL-W-LMISHIM_ERROR_NOMEM lmi shim: Cannot allocate frcc info memory

Explanation:

The LMI processing has run out of memory.

Recommended Action:

Hotswap the WAN card or reboot the GSR. Contact DIGITAL Technical Support.

%SERIAL-W-PORT_CABLE_BAD Port <name>: External clocks are unstable: Try reseating the cable

Explanation:

The external clock supplied to the serial card is unstable.

Recommended Action:

Try reseating the serial cable. If problem persists, contact DIGITAL Technical Support.

%SERIAL-W-PPPSHIM_DUP_IPADDR ppp shim: Cannot update peer IP address on port <port>: local and peer addresses are the same

Explanation:

During IP PPP negotiation, the IP addresses for the local and peer routers are the same.

Recommended Action:

Check the configuration.

%SERIAL-W-PPPSHIM_MLP_FAILED ppp shim: mlp negotiation failed for port <port>

Explanation:

Unable to negotiate MLP with the peer router.

Recommended Action:

Check the configuration.

%SERIAL-W-PPPSHIM_NO_DST ppp shim: Cannot update peer IP|IPX address on port <port>: peer does not have an address

Explanation:

During PPP IP/IPX negotiation for the specified port, the peer did not supply its IP/IPX address.

Recommended Action:

Statically specify peer IP/IPX address on the **interface create** CLI command for the specified port.

%SERIAL-W-PPPSHIM_NO_SRC ppp shim: Cannot update peer IP address on port <name>: no source address

Explanation:

During PPP IP negotiation for the specified port, the peer supplied its IP address but the interface for this port has none.

Recommended Action:

Check the configuration. The GSR may be set up for bridging, while the peer may be configured for routing.

%SERIAL-W-PPPSHIM_SUBNET_MISMATCH ppp shim: Cannot update peer IP address on port <port>: not on same subnet as source(src <ipaddr>, dst <ipaddr>)

Explanation:

During PPP IP negotiation for the specified port, the local and peer IP addresses were not on the same subnet.

Recommended Action:

Check the configuration. Both the GSR and the peer should be on the same IP subnet.

Error Messages

%SERIAL-E-CLI_ERROR_NOT_WAN_PORT Trying to set wan parameters on a LAN port

Explanation:

Attempt to configure a LAN port with WAN parameters.

Recommended Action:

Make sure the port number correctly specifies a WAN port.

%SERIAL-E-CLI_ERROR_SEND_FAIL cli command was not sent to due to IPC failure

Explanation:

Failed to communicate with WAN module.

Recommended Action:

Attempt to execute CLI command again. If commands fails, hotswap the WAN module. If the error persists, call DIGITAL Technical Support.

%SERIAL-E-CLI_FR_VC_REQD cli: This option requires vc number to be specified for frame relay port

Explanation:

No VC specified for the Frame Relay CLI command.

Recommended Action:

Specify VC for the CLI command.

%SERIAL-E-CLI_LMI_NO_VC_ALLOWED cli: Cannot specify vc - LMI parameters apply to all vc's on port

Explanation:

A VC was specified in the port list for the CLI command when it is not allowed.

Recommended Action:

Remove the VC designator from the command.

%SERIAL-E-CLI_NON_FR_PROFILE cli: Trying to set a non-frame-relay service (<name>) on a frame relay port (<name>)

Explanation:

Attempt to set non-frame-relay service on a port configured for Frame Relay.

Recommended Action:

Use or create relevant service profile based on the configuration of the specified port.

%SERIAL-E-CLI_NON_FR_PORT card <number> port <name> is not a frame relay port

Explanation:

The specified port is not a frame relay port, while the CLI command pertains to frame relay.

Recommended Action:

Correct the port in the CLI command or use the **port set** CLI command to set the desired port to be a frame relay port.

%SERIAL-E-CLI_NON_PPP_PROFILE cli: Trying to set a non-ppp service (%s) on a PPP port (%d)

Explanation:

Attempt to set non PPP service on a port configured for PPP.

Recommended Action:

Use or create relevant service profile based on the configuration of the specified port.

%SERIAL-E-CLI_NON_WAN_PORT cli: Port <port> is not a WAN port

Explanation:

The specified port is not a WAN port, while the CLI command pertains to WAN.

Recommended Action:

Correct the port in the CLI command.

%SERIAL-E-CLI_SERVICE_PROFILE_IN_USE cli: the service profile is being used

Explanation:

Cannot negate a service profile definition while it is applied to the port.

Recommended Action:

Negate the CLI command that applies the service profile to the port before negating the service profile definition.

%SERIAL-E-CLI_SERVICE_PROFILE_NON_EXISTING cli: Service profile: <name> does not exist. Please use WAN define command first

Explanation:

Attempt to apply a non-existent service profile to a port.

Recommended Action:

Make sure the specified service profile is defined before application.

%SERIAL-E-CLI_WAN_PORT_OUT_OF_RANGE cli: Port num <port> is out of range

Explanation:

The specified port is not valid for a WAN card. WAN cards may have 2 or 4 ports.

Recommended Action:

Correct the port number.

%SERIAL-E-EGRESS_FR_DEC_FAIL egress: failed to forward from vc <number> on port <name>

Explanation:

Frame relay packet received can't be forwarded.

Recommended Action:

Please contact DIGITAL Technical Support.

%SERIAL-E-EGRESS_PPP_DEC_FAIL egress: failed to forward on port <name>

Explanation:

PPP packet received can't be forwarded.

Recommended Action:

Please contact DIGITAL Technical Support.

%SERIAL-E-IPC_SEND_FAILED IPC send failed in routine <name> with code <number>

Explanation:

GSR failed to communicate with WAN module.

Recommended Action:

Hotswap the WAN module.

%SERIAL-E-IPDSTADDR_REUSE_PORT peer address <ip-address> is already used by interface on slot: <number> port: <port> and can't be reassigned to slot: <number>, port: <port>

Explanation:

This message appears when trying to assign the same IP peer address to different ports.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPDSTADDR_REUSE_VC peer address <ip-address> is already used by interface on slot: <number> port: <port> and can't be reassigned to slot: <number>, port: <port>, vc: <number>

Explanation:

This message appears when trying to assign the same IP peer address to different frame relay VCs.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPXDSTADDR_REUSE_PORT peer address <ipx-address> is already used by interface on slot: <number> port: <port> and can't be reassigned to slot: <number>, port: <port>

Explanation:

This message appears when trying to assign the same IPX peer address to different ports.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPXDSTADDR_REUSE_VC peer address <ipx-address> is already used by interface on slot: <number> port: <port> vc: <number> and can't be reassigned to slot: <number>, port: <port>, vc: <number>

Explanation:

This message appears when trying to assign the same IPX peer address to different frame relay VCs.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-MLPASSEMBLY received a new frame on <port> before the previous frame was assembled

Explanation:

The frame cannot be assembled because one or more fragments were lost.

Recommended Action:

No action.

%SERIAL-E-MLPCREATIONFAILED failed to create mp group (<group>) since slot <slot> can only have <number> mp groups

Explanation:

An attempt was made to create more MP groups than the number of available physical ports.

Recommended Action:

Check the configuration and make sure that the number of MP bundles are less than the number of physical ports on the module.

%SERIAL-E-WAN_NO_MEM can't allocate memory on wan card

Explanation:

Ran out of memory on WAN card.

Recommended Action:

Please contact DIGITAL Technical Support.

Chapter 41

SmartTRUNK Error Messages

This chapter describes the error messages for the SmartTRUNK facility.

Informational Messages

%STRNK-I-CREATED SmartTRUNK(s) *<name>* are successfully created

Explanation:

This message appears to display that a SmartTRUNK has been successfully created.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-PORTSADDED Ports *<port_name>* added to SmartTRUNK *<name>*

Explanation:

This message appears when ports have been added to a SmartTRUNK.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-PORTSREMOVED Ports *<port_name>* removed from SmartTRUNK *<name>*

Explanation:

This message appears when ports have been removed from a SmartTRUNK.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-REMOVED SmartTRUNK *<name>* removed

Explanation:

This message appears when a SmartTRUNK has been removed.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-STATUS SmartTRUNK status change detected: st.*<name>* - *<status>*

Explanation:

This message appears when a SmartTRUNK operational status has changed.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%STRNK-W-ADDED Port *<port_name>* already part of SmartTRUNK *<name>*

Explanation:

This error message appears when the user attempts to add a port to a SmartTRUNK and the port is already a member of the same SmartTRUNK.

Recommended Action:

Verify the port specified is not a member of the specified SmartTRUNK.

%STRNK-W-AGGINGERROR SmartTRUNK <name> aged out due to <string>, probable misconfiguration

Explanation:

This message appears when the DEC Hunt Group Control Protocol receives an invalid control message or does not receive a hello message within a specific period. The SmartTRUNK is brought down as a result of this.

Recommended Action:

Check connection and remote switch state.

%STRNK-W-INVLD Received ctrl pkt on <port_name> port <port_number> not part of hunt group

Explanation:

This message appears when a SmartTRUNK control packet was received on a SmartTRUNK port which does not have the DEC Hunt Group Control Protocol enabled.

Recommended Action:

Verify SmartTRUNK has DEC Hunt Group Control Protocol enabled.

%STRNK-W-MISCONFIG SmartTRUNK <name> misconfigured on port <port_name>

Explanation:

This message appears when SmartTRUNK is misconfigured, e.g. 2 ports of a SmartTRUNK are connected to 2 different remote switches. Seen only if the DEC Hunt Group Control Protocol is enabled.

Recommended Action:

Verify SmartTRUNK connections/configuration.

%STRNK-W-TIMEOUTIGNORED Timeout <seconds> ignored for SmartTRUNKs <name> as no protocol is enabled, using default timeout of 1 second

Explanation:

This message appears when the timeout is specified for a SmartTRUNK in a no-protocol mode.

Recommended Action:

No action required, timeout is ignored.

Error Messages

%STRNK-E-DIFFGRP Port(s) <port_name> already part of a different SmartTRUNK

Explanation:

This error message appears when the user attempts to add a port to a SmartTRUNK and the port is already a member of an existing SmartTRUNK group.

Recommended Action:

Verify the port specified is not a member of another SmartTRUNK.

%STRNK-E-DISABLED SmartTRUNK is disabled, cannot transmit data

Explanation:

This message appears when a SmartTRUNK has been administratively disabled or all ports of a SmartTRUNK are inactive.

Recommended Action:

Enable SmartTRUNK or check for misconfiguration of SmartTRUNK.

%STRNK-E-EXISTS SmartTRUNK <name> already exists

Explanation:

This message appears when the SmartTRUNK being created already exists.

Recommended Action:

Verify the name of the SmartTRUNK being created.

%STRNK-E-FAILED SmartTRUNK(s) <name> could not be created**Explanation:**

This message appears when an error is encountered while creating a SmartTRUNK because system memory is insufficient.

Recommended Action:

Upgrade memory on Control Module.

%STRNK-E-NEGFAILED SmartTRUNK(s) <name> could not be deleted**Explanation:**

This message appears when a SmartTRUNK is being deleted and if the SmartTRUNK has member ports on it or the SmartTRUNK has other actions created on it.

Recommended Action:

Remove all member ports. Verify no other action is present on the SmartTRUNK.

%STRNK-E-NONENET Cannot add non ethernet port <port_name> to SmartTRUNK**Explanation:**

This message appears when a non ethernet port, WAN HSSI or Serial, is added to a SmartTRUNK. SmartTRUNK only supports Ethernet, Fast Ethernet or Gigabit Ethernet ports.

Recommended Action:

Verify the port being added to a SmartTRUNK is an ethernet port.

%STRNK-E-OTHERCMDS Remove other commands for <name> before deleting SmartTRUNK**Explanation:**

This message appears when SmartTRUNK is deleted and there are actions on SmartTRUNK that have not been removed.

Recommended Action:

Remove command enable on SmartTRUNK before negating SmartTRUNK.

%STRNK-E-PORTSATTACHED Remove member ports from <name> before deleting SmartTRUNK

Explanation:

This message appears when a SmartTRUNK is deleted before the member ports are deleted.

Recommended Action:

Delete ports from SmartTRUNK before deleting SmartTRUNK.

%STRNK-E-STNOTFOUND SmartTRUNK <name> not found

Explanation:

This message appears when a non-existent SmartTRUNK is specified for any SmartTRUNK command.

Recommended Action:

Verify SmartTRUNK has been created.

%STRNK-E-XMTQFULL Cannot send packet, transmit Q full

Explanation:

This message appears when the queue for sending control packets is full and SmartTRUNK control packets cannot be transmitted.

Recommended Action:

None.

Chapter 42

SNMP Error Messages

This chapter describes the error messages for the Simple Network Management Protocol facility.

Information Messages

%SNMP-I-DISABLED SNMP Agent disabled

Explanation:

The SNMP Agent on the GSR has stopped.

Recommended Action:

Informational message. No action required.

%SNMP-I-ENABLED SNMP Agent enabled

Explanation:

The SNMP Agent on the GSR has started.

Recommended Action:

Informational message. No action required.

%SNMP-I-SENT_TRAP Sending SNMPv1 trap <trap> to management station

Explanation:

The SNMP Agent sent the specified Trap to the Management Station.

Recommended Action:

Informational message. No action required.

Error Messages

%SNMP-E-BINDPORT bind to udp/<number> failed. Agent is disabled : <string>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-NO_ENABLED_TARGETS No configured managers are enabled to receive SNMPv1 traps

Explanation:

Even though a manager has been configured to receive SNMP Traps, a trap cannot be sent by the GSR because the manager has not been enabled.

Recommended Action:

Enable the Management Station to receive SNMPv1 traps.

%SNMP-E-NO_TARGETS No managers defined to receive SNMPv1 traps

Explanation:

The SNMP Agent cannot send a Trap because the user did not define a Management Station to receive the trap.

Recommended Action:

Specify a Management Station to receive SNMPv1 traps.

%SNMP-E-KILLTIMER Internal Error deleting timer failed code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-TRAP_DISABLED This trap type has been disabled

Explanation:

The specified trap cannot be sent because this trap type has been disabled.

Recommended Action:

Enable the sending of this trap type.

%SNMP-E-STOPTIMER Internal Error stop timer failed code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-TEGSET Internal Error signal snmp task failed code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-TMRCREATE Internal error when creating timer code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-TRAP send trap pdu to host "<host_name>" failed : <error>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-WRITECONFIG Internal Error writing startup file code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

%SNMP-E-WRITETRANS Internal Error writing scratchpad file code <number>

Explanation:

This message appears when a system software error has occurred.

Recommended Action:

Please call DIGITAL Technical Support.

Chapter 43

STATIC Error Messages

This chapter describes the error messages for the STATIC facility.

Error Messages

%STATIC-E-GLISTEXISTS Gateway List exists with this static route.

Explanation:

This error message appears when the user attempts to specify a static route for a Gateway List, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Gateway List.

%STATIC-E-GWAYALLOCFAIL Calloc failed for Gateway.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-GWAYEXISTS Gateway exists with this static route.

Explanation:

This error message appears when the user attempts to specify a static route for a Gateway but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Gateway.

%STATIC-E-GWAYNULL Nonexistent Gateway for static route.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-IFLISTEXISTS Interface List exists with this static route.

Explanation:

This error message appears when the user attempts to specify a static route for an Interface List, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Interface List.

%STATIC-E-INTFALLOCFAIL Calloc failed for Interface.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-INTFEXISTS Interface exists with this static route.**Explanation:**

This error message appears when the user attempts to specify a static route for an interface, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated interface.

%STATIC-E-INTFNULL Nonexistent Interface for static route.**Explanation:**

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-NUMOFROUTEERR Numof interfaces mismatch (max <number> cur <number>).**Explanation:**

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-ROUTEEXISTS Static route to network <name> already exists.**Explanation:**

A static route has been added multiple times.

Recommended Action:

Remove the duplicate static route entries.

%STATIC-E-ROUTENOTFOUND Static route to destination <name> not found.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%STATIC-E-ROUTEOVFL No more free routes max <number> current <number>.

Explanation:

The maximum number of static routes that can be configured has been reached.

Recommended Action:

If possible, remove unused static routes.

Fatal Errors

%STATIC-F-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the STATIC request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 44

STP Error Messages

This chapter describes the error messages for the STP facility.

Informational Messages

%STP-I-MISMATCH Port <port> cannot be added to <smart trunk> because of attribute mismatch

Explanation:

The specified port cannot be added to the SmartTRUNK because the attributes of the port do not match that of the SmartTRUNK.

Recommended Action:

Modify the port's attributes to make them compatible with that of the SmartTRUNK.

%STP-I-BPDU_FILTER BPDU filter on port <number> has been <"disabled" or "enabled">

Explanation:

This message is displayed to inform the user whether the BPDU filter on the given port has been enabled or disabled.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%STP-I-PORT_STATUS Port status change detected: <number> - <text>

Explanation:

The link state of the port has changed.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

Warning Messages

%STP-W-PORTSTATE port state value '<number>' not valid

Explanation:

This message appears when the port state is not valid.

Recommended Action:

Verify port's operational state.

Error Messages

%STP-E-CREATEQ error creating '<name>' queue - error=<error_code>

Explanation:

This message appears when there was an error creating STP queue.

Recommended Action:

The error could be due to a lack of resources (-32) or an invalid event was specified (-8).

%STP-E-EVENTWAIT error in wait for events

Explanation:

This message appears when any of the resources required for the full operation of the STP protocol could not be created.

Recommended Action:

This error could be because the STP timer could not be created or the bridge group management address could not be registered or the BPDUs receive queue could not be created. This could be due to a lack of resources. Please call DIGITAL Technical Support.

%STP-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the STP system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%STP-E-FAILREGMGMTADDR failed to register bridge group address

Explanation:

This message appears when bridge group address is not registered.

Recommended Action:

This error is due to an invalid bridge management group address or VLAN or port number.

%STP-E-MCASTREG error registering multicast address - error=<error_code>

Explanation:

This message appears when the bridge group management address could not be registered.

Recommended Action:

The error could be due to the registration table being full (-51) or the address is not a multicast address (-55).

%STP-E-NOFLOWFORCESTP Can't enable flow-bridging-mode and force-STP-state simultaneously on port <number>

Explanation:

This error message appears when the user attempts to issue the **stp force** command for a port that is already assigned flow-bridging-mode.

Recommended Action:

Remove the port from the flow-bridging-mode and then issue the **stp force** command for the desired port.

%STP-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when memory could not be allocated.

Recommended Action:

This error is due to the unavailability of memory. Please call DIGITAL Technical Support.

%STP-E-NOSTP STP should be enabled on port <number> for force-STP-state to succeed

Explanation:

This error message appears when the user attempts to issue the **stp force** command for a port that has not had STP enabled.

Recommended Action:

Enable STP on the desired port and then issue the **stp force** command for the port.

%STP-E-NOSUCHVLAN VLAN '<name>' does not exist

Explanation:

This error message appears when the user attempts to specify an invalid VLAN name.

Recommended Action:

Ensure that you are properly specifying a valid VLAN name and try again.

%STP-E-NOWAN Spanning Tree is not supported on WAN modules**Explanation:**

You cannot enable STP on a WAN port because it is not a supported operation.

Recommended Action:

None.

%STP-E-PORTDISABLEDBYMGMT Unable to set vlan <VLAN_name> to state <state_name> because port is administratively disabled**Explanation:**

This error message appears when the user attempts to issue the **stp force** command on a given port that had been previously disabled by the network administrator using a “port disable” command.

Recommended Action:

Negate (delete) the “port disable” designation on the desired port and then issue the **stp force** command to set the port state.

%STP-E-PORTNO port no '<port_number>' is invalid**Explanation:**

This message appears when the port number is invalid.

Recommended Action:

The port number is currently unavailable on the system.

%STP-E-STRTTIMER error starting '<stp>' timer - error=<error_code>**Explanation:**

This message appears when the STP timer could not be started.

Recommended Action:

The STP timer was not created and therefore could not be started.

%STP-E-TIMER error creating '<stp>' timer - error=<error_code>

Explanation:

This message appears when an STP timer could not be created.

Recommended Action:

The error could be due to a lack of resources (-32) or an invalid parameter was passed to the timer creation routine (-13).

%STP-E-UNABLETOSETSTATE Unable to set vlan <VLAN_name> to state <state_name>

Explanation:

This error message appears when the user attempts to issue the **stp force** command on a port to which this sort of assignment has already been made. (The new **stp force** designation cannot overwrite the old one.)

Recommended Action:

Negate (delete) the original **stp force** command and then try to set the appropriate state for the given port again.

%STP-E-XMTQFULL unable to send frame xmit queue full

Explanation:

This message appears when the STP BPDUs could not be sent.

Recommended Action:

This could be because the transmit queue is full or there is indication that the STP frame is to be dropped.

Chapter 45

SYS Error Messages

This chapter describes the error messages for the SYS facility.

Informational Messages

%SYS-I-ACTIVEBKPLANE switching fabric in slot <number> is currently active

Explanation:

This message shows which switching fabric on a GSR-16 is currently active.

Recommended Action:

Follow the error message output for an appropriate resolution to the problem.

%SYS-I-ADDFAILED Image '<name>' not added

Explanation:

DIGITAL clearVISN CoreWatch is unable to add the specified GSR system address.

Recommended Action:

Follow the error message output for an appropriate resolution to the problem.

%SYS-I-BKPLANEINSERTED <name> module inserted in slot <number>

Explanation:

This message appears when a switching fabric is hotswapped into the GSR-16.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-BKPLANEOFFLINED <name> module in slot <number> off-lined by operator

Explanation:

This message appears when a switching fabric is hotswapped out of the GSR-16.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-BKPLANEREMOVED <name> module removed from slot <number>

Explanation:

This message appears when a switching fabric is hotswapped out of the GSR-16.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-BOOTADDED Image '<name>' added

Explanation:

This message appears when the specified GSR system image has been successfully added to the external flash.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-DSCVMOD discovered '<name>' module in slot <number>**Explanation:**

This message specifies the type of hardware module detected during the GSR's startup sequence.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-FLASHCRD Mounting <number>MB Flash card**Explanation:**

This message indicates that the GSR is attempting to mount an external PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-FLASHMNTD <number>MB Flash card mounted**Explanation:**

This message indicates that the GSR has successfully mounted a PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-HOTSWAPIN module in slot <number> is hotswapped in**Explanation:**

This message appears when a module is hotswapped in to the GSR.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-HOTSWAPOUT module in slot <number> is hotswapped out

Explanation:

This message when a module is hotswapped out of the GSR. The module can be hotswapped out either by pushing the hotswap button on the module or by issuing the **system hotswap out** command.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-INITPORT initialized slot <number>, port <number>

Explanation:

This message indicates that the specified port in the given slot number has been initialized.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-INITSLOTS Initializing system slots - please wait

Explanation:

This message is displayed when the GSR is initializing the system slots.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-INITSYS initializing system <name>

Explanation:

This message is displayed when the GSR is initializing.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-MIRROR_INFO Mirroring on port <monitor-port> for <target-port> is enabled or disabled**Explanation:**

This message indicates whether port mirroring has been enabled or disabled for the specified port.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-MULTICPU additional CPU Module(s) detected in slot: <number>**Explanation:**

This message appears when the GSR has detected an additional CPU module.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NETSTART network interfaces are now enabled**Explanation:**

This message indicates that the network interfaces are up and the GSR is ready to send and receive traffic.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NEWBAUD Console baud rate changing from <number> to <number>**Explanation:**

This message indicates that the GSR console's baud rate has assumed a new value.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NOBOOTIMAGES No boot images available

Explanation:

This message informs the user that there is no GSR boot image stored in the current PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-PORT_AUTONEG Port <number> - Speed: <number> - Duplex: <number> - Auto-Negotiation: <number> - Input Encap: <number>

Explanation:

This message displays the autonegotiating characteristics (if any exist) for the given port.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-REBOOT System rebooting from <location> on <date>

Explanation:

This message informs the user that a command to reboot the system has been issued from the given location at the specified date and time.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-SLAVECPU Redundant CPU Module going into standby mode

Explanation:

This message only appears on the console of the slave CPU. It identifies the slave CPU as working in standby mode.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-WAN_SYNCH_SUCCESS Successfully synchronized with WAN card on channel <number>**Explanation:**

This message appears when the Control Module on the GSR communicates successfully with the specified WAN module during system initialization.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

Warning Messages

%SYS-W-BADPASSWORD incorrect password**Explanation:**

Supplied password is invalid.

Recommended Action:

If you cannot remember the password, and it needs to be changed, enter boot prompt at console and type **boot skipconfig=yes**. This boots without processing the configuration file and hence no password is set. To then modify the password, enter Enable mode, copy the configuration from startup to the scratchpad, modify the password, save back to startup and reboot the system.

%SYS-W-HEAP75FULL heap is at 75 percent of maximum usage**Explanation:**

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-HEAP85FULL heap is at 85 percent of maximum usage

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-HEAP95FULL heap is at 95 percent of maximum usage

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-L4BDG L4 bridging configuration error: receive <string> packet

Explanation:

The Control Module received a non-IP/IPX packet. The packet has been dropped.

Recommended Action:

If this message appears repeatedly, contact DIGITAL Technical Support.

%SYS-W-NIAFREETMOUT network interface not responding to packet free requests

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-W-NIAXMTMOUT network interface not responding to packet transmit requests**Explanation:**

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-W-NOAUTO_10_100 auto-negotiate on by default. Negate cmd to turn default on.**Explanation:**

User attempted to turn on auto-negotiation on ports that already have it on by default.

Recommended Action:

Auto-negotiation is automatically on for 10/100 Mbit ports. To turn off, simply set speed and duplex values for port.

%SYS-W-NOCONFIG no configuration file**Explanation:**

This message appears when the GSR cannot detect any startup configuration file.

Recommended Action:

Ensure that a startup configuration file exists and that the GSR is able to access that file.

%SYS-W-NOPASSWD no password for <system_name>, use 'system set password' to add one**Explanation:**

This is simply a warning informing the user that the system has no security.

Recommended Action:

Enter Configure mode and set a system password using the 'system set password' command.

%SYS-W-NOSPEEDDUPLEX cannot set speed/duplex on 1 Gig Port.

Explanation:

Speed and duplex settings are not individually configurable on gigabit ethernet ports.

Recommended Action:

If you want to turn off auto-negotiation on gigabit ethernet ports and set port to full duplex and 1000 Mbits speed, turn off auto-negotiation on the port. This is also useful when connected to a buffered repeater.

%SYS-W-NOSPEEDFIBER cannot set speed to 10Mbits on 100Mbit Fiber Port

Explanation:

This message appears when the user attempts to assign a 10 Mbits speed to a 100Mbits fiber port.

Recommended Action:

This message is merely a warning that such an action cannot be performed. No action, aside from ensuring that a speed of 100Mbits has been assigned to the given fiber port, is required.

%SYS-W-RTCIVTIME real-time clock had bad time - clock has been reset

Explanation:

This message appears when the real-time clock has become corrupted or otherwise invalid. The time will be reset back to 0.

Recommended Action:

This message is for the user's benefit. No action is required.

Error Messages

%SYS-E-BAD_IPP_MEM Bad IPP Memory at 0x<hex_value> on channel <number>

Explanation:

Module in slot number corresponding to channel number has failed.

Recommended Action:

Replace line card module.

%SYS-E-BAD_PORT_MEM Bad Memory at 0x<hex_value> on port <port_number>

Explanation:

Specified port has failed diagnostics.

Recommended Action:

Replace line card module.

%SYS-E-BAD_OPP_MEM Bad OPP Memory at 0x<hex_value> on channel <number>

Explanation:

Module in slot number corresponding to channel number has failed.

Recommended Action:

Replace line card module.

%SYS-E-BADADDR Bad IP address: <IP_address> ignored

Explanation:

This error message appears when the user attempts to specify an invalid IP address.

Recommended Action:

Ensure that the specified IP address is correct and that it is being referenced with the proper syntax.

%SYS-E-BADCHKSUM Bad CRC in CPU received packet (srcCEPs=0x<hex_value>)

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-BADDEVICE Bad device name: '<name>'

Explanation:

This error message appears when the user attempts to access the GSR's file system with an illegal device name.

Recommended Action:

Use one of the valid device names ("bootflash", "slot0", or "slot1") to access the file system.

%SYS-E-BADURL bad URL specified: <URL>

Explanation:

This error message appears when the user specifies an invalid or otherwise illegal URL.

Recommended Action:

Ensure that the URL being referenced is correct and has been specified using the appropriate syntax.

%SYS-E-BAUDFAIL <name>: Failed to change baud rate

Explanation:

This message appears when the **system set terminal baud** command was run to change the baud rate of the serial management console port, but the system was unable to set the baud rate to the value requested.

Recommended Action:

This message probably indicates a programming error because the CLI parser checks the baud rate for validity before trying to change the serial port. In general, it indicates that the serial hardware cannot run at the requested baud rate.

%SYS-E-FACADD error adding facility '<name>'**Explanation:**

System resources are limited and the SYS system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%SYS-E-FLASHMNTFAIL <number> MB Flash card could not be mounted**Explanation:**

This message appears at boot time when the flash card cannot be mounted.

Recommended Action:

This message may indicate that this type of card is not supported, or that the write-protect switch is turned on, or that the file system contained in the flash card is corrupt. Reboot the GSR using the same flash card. If problem persists, obtain a new flash card or call DIGITAL Technical Support.

%SYS-E-ILLEGALCOPY Copying from <source> to <destination> is not allowed**Explanation:**

This error message appears when the user attempts to perform an illegal copy operation from the specified source to the given destination.

Recommended Action:

Ensure that the copy source and destination are compatible.

%SYS-E-IMAGE_ADD_MULTIPLE image add: another user is adding an image. Please wait and try again.**Explanation:**

This message appears when a user runs the 'system image add' command while another user is already in the process of adding a new image. Only one image can be added at a time.

Recommended Action:

The second user needs to wait until the first user has finished (it generally takes a few minutes to complete the process of adding a new image).

%SYS-E-IMAGE_CANTSET nvram error setting <image_name>

Explanation:

This message appears when the **system image choose** command was unable to record the user's choice of which image should be used at next boot.

Recommended Action:

This message indicates file system corruption or a hardware failure. Please call DIGITAL Technical Support.

%SYS-E-IVCPUMODULE CPU module type <name> unrecognized

Explanation:

This error message appears when the GSR detects an unrecognized CPU module in the system.

Recommended Action:

Please call DIGITAL Technical Support with a description of the circumstances, your system configuration, and the text of this error message.

%SYS-E-MACASSIGNED Requested MAC <MAC_address> already assigned

Explanation:

This error message appears when the user attempts to specify a MAC address that is already in use.

Recommended Action:

Specify a different, unused MAC address.

%SYS-E-MACNOTOWNED Attempting to free unassigned MAC <MAC_address>

Explanation:

This error message appears when the user attempts to specify a MAC address that does not “belong” to the GSR.

Recommended Action:

Ensure that the specified MAC address is correct and the GSR has “ownership” of that address.

%SYS-E-MIRROR_NOT_SET Mirroring not enabled on slot <number>**Explanation:**

This error message appears when port mirroring has not been enabled for the specified slot.

Recommended Action:

Ensure that the correct slot number is being referenced and/or that port mirroring has been enabled for that slot.

%SYS-E-NIAQBROKE Network receive queue error**Explanation:**

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-NOAUTOSPEEDDUPLEX Cannot set both Auto-negotiate and speed/duplex at same time**Explanation:**

These are mutually exclusive configurations.

Recommended Action:

Set port to auto-negotiate OR manually configure speed and duplex settings.

%SYS-E-NODEVICE No device specified: '<name>'**Explanation:**

This error message appears when a required device name has not been appropriately specified by the user in relation to a given command.

Recommended Action:

Ensure that you have specified a valid, required device name in association with the given command.

%SYS-E-NOSUCHIMAGE no image named <image_name>

Explanation:

This message appears when the user tries to delete a non-existent image with the **system image delete** command.

Recommended Action:

The user should run the **system image list** command to see the available images and then choose a name from those displayed. It is important to note the difference between the name of the image (displayed in the left column of **system image list**) and the version number of the image (displayed in parentheses in the right column). The image *name* should be used with the **system image delete** command.

%SYS-E-NOTENABLED Device configuration only permitted from enabled mode

Explanation:

This message appears when a user attempts to enter Configure mode from Diagnostic mode.

Recommended Action:

The user must first leave Diagnostic mode and enter enabled mode with the **enable** command. Only then can the user enter Configure mode with the **config** command.

%SYS-E-PORTBUSPARITY Port bus parity error

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-PORTBUSWRITE Port bus write error at address 0x<hex_value>

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-SRCFILE missing source filename**Explanation:**

This error message appears when the user attempts to conduct a file copy operation, but no source filename has been specified.

Recommended Action:

Ensure that the appropriate source filename is included in the command sequence.

%SYS-E-UNKWNHOST unknown host '<name>'**Explanation:**

This error message appears when the GSR is unable to resolve the specified hostname's IP address.

Recommended Action:

Ensure that DNS is working correctly and that the specified hostname is correct.

%SYS-E-UNKNOWNURL Unrecognized URL: <URL>**Explanation:**

This error message appears when the GSR encounters an unrecognizable URL.

Recommended Action:

Ensure that the specified URL is correct.

**%SYS-E-XBARTMOUT Transmit timeouts to Xbar
(destCEPs=0x<hex_value>)****Explanation:**

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

Fatal Messages

%SYS-F-2MANYCPUS too many CPUs, detected <number>, architectural limit <number>

Explanation:

More than the architectural number of redundant Control Modules were detected.

Recommended Action:

Remove all extra Control Modules.

%SYS-F-BAD_NIA_MEM Bad Memory at 0x<hex_value> on NIA

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and needs replacing.

%SYS-F-BADADDRFLUSH cache flush with bad virtual address, '0x<hex_value>'

Explanation:

This message appears when the CPU was flushing a bad virtual address and the TLB may be corrupt.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no system problems. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-BADBLK memory free failed - block '0x<hex_value>' address is invalid (<number>)

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-BADFREEBLK memory corrupted - block '<hex_value>' on free list clobbered (0x<hex_value>,<number>,<number>)**Explanation:**

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-BADMEMREG memory block '0x<hex_value>' is not in a valid memory region**Explanation:**

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-BADMEMSIZE memory sizing failed - size 0x<hex_value> is larger than max. size of 0x<hex_value>**Explanation:**

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-F-BADMEMWRITE memory write at location 0x<hex_value> failed, wrote 0x%lx, read 0x<hex_value>**Explanation:**

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-F-BADNETBUF bad buffer '0x<hex_value>' from network interface

Explanation:

This message appears when the network interface chip on the Control Module accessed an invalid memory location.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no problems with the Control Module card. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-BADSLOT CPU is in an invalid slot <number> - must be in slot <number>

Explanation:

This message appears when the Control Module (CPU) is in an invalid slot.

Recommended Action:

Move the Control Module (CPU) to the appropriate slot. System will reboot.

%SYS-F-BLKFREE memory free failed - block '0x<hex_value>' is already free (<number>) (by: 0x<hex_value> 0x<hex_value> 0x<hex_value>)

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-BLKNOALLOC memory block '0x<hex_value>' should have been allocated

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-BUSERR bus error due to '<error>', at virtual address 0x<hex_value>**Explanation:**

This message appears when a system bus error has occurred.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no system problems. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-CODEIVSEQ invalid code sequencing in file <filename>, line <number>**Explanation:**

This message appears when there is a problem creating VLAN for subnets.

Recommended Action:

System will reboot. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-FATALSYS <text>: fatal system error**Explanation:**

This fatal error message appears when the GSR experiences a system error from which it is unable to recover, resulting in a “crash”.

Recommended Action:

Call DIGITAL Technical Support to resolve the problem.

%SYS-F-HEAPEMPTY insufficient heap memory**Explanation:**

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-F-IVSYSTEM unrecognized or invalid system '<number>'

Explanation:

This message appears when The system ID is invalid.

Recommended Action:

The backplane ID is not valid for this version of Control Module and Software. Please contact DIGITAL Technical Support to resolve the problem.

%SYS-F-L2DBLALLOC L2 entry 0x<hex_value>, allocated twice on port <number>

Explanation:

This message appears when an L2 table entry was erroneously allocated twice on the same port.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L2DBLFREE L2 entry 0x<hex_value>, freed twice on port <number>

Explanation:

This message appears when an L2 table entry was erroneously deleted twice on the same port.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L2IVLDVLAN invalid VLAN ID '<number>'

Explanation:

This message appears when an invalid VLAN ID was passed to the L2 software drivers.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L2TBLBAD entry to be deleted 0x<hex_value>, not found on port <number>, bucket <number>**Explanation:**

This message appears when an L2 table entry was requested to be deleted on a port and not found.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L3DBLALLOC L3 entry 0x<hex_value>, allocated twice on channel <number>**Explanation:**

This message appears when an L3 table entry was erroneously allocated twice on the same channel.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L3DBLFREE L3 entry 0x<hex_value>, freed twice on channel <number>**Explanation:**

This message appears when an L3 table entry was erroneously deleted twice on the same channel.

Recommended Action:

The system will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L3HASHADRBAD bad entry address of 0x<hex_value> in segment 0x<hex_value>

Explanation:

This message appears when an L3 table pointer got corrupted.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L3HASHBAD bad hash value of 0x<hex_value> in segment 0x<hex_value>

Explanation:

This message appears when a bad hash value was computed for an L3 table entry.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-L3TBLBAD entry to be deleted 0x<hex_value>, not found on channel <number>, bucket <number>

Explanation:

This message appears when an L3 table entry was requested to be deleted on a channel and not found.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call DIGITAL Technical Support to resolve the problem.

%SYS-F-MEMCORRUPT memory block '0x<hex_value>' has been corrupted

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-MEMHDRBAD malloc header size '<number>' is invalid

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

%SYS-F-MEMHDRIDX malloc block '0x<hex_value>' header index '<number>' is invalid

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to DIGITAL Technical Support.

Chapter 46

Syslog Error Messages

This chapter describes the error messages for the Syslog facility.

Informational Messages

%SYSLOG-I-EMPTY Syslog buffer is empty.

Explanation:

This message appears when there is no local syslog output from the buffer for the user to view.

Recommended Action:

This message is for the user's benefit. No action is required.

Warning Messages

%SYSLOG-W-NOBUFFER Syslog buffer is empty because syslog server is not defined.

Explanation:

This error message appears when the local syslog buffer is empty as a result of no syslog server having been defined for the GSR.

Recommended Action:

Configure a syslog server using the **system set syslog server** command.

%SYSLOG-W-UNKWNHOST Cannot resolve syslog server '<name>'.

Explanation:

This error message appears when the GSR is unable to resolve the hostname of the given syslog server into its IP address.

Recommended Action:

Specify the syslog server using its existing IP address and/or ensure that the GSR is able to resolve the syslog server's hostname.

Error Messages

%SYSLOG-E-SENDMSG failed to contact syslog server '<name>': <name>

Explanation:

This message appears when the syslog server is unreachable.

Recommended Action:

Ensure the syslog server is reachable if not on the system.

Chapter 47

Telnet Error Messages

This chapter describes the error messages for the Telnet facility.

Warning Messages

%TELNETD-W-BADPASSWORD bad password from <name>

Explanation:

This message appears when a user enters a bad password over a telnet connection. It includes the IP address of the host making the connection.

Recommended Action:

This may indicate that a user at the specified host is trying to break into the router by guessing at the password. You should check to see who is logged in to that host. Ask them not to attempt to break into your router. You can disallow telnet access from a specified host with the **ACL ?** command.

%TELNETD-W-LOGINFAIL repeated login failures from <name>

Explanation:

This message appears when a user enters a bad password (multiple times) over a telnet session multiple times. It includes the IP address of the host making the connection.

Recommended Action:

This message may indicate that a user at the specified host is trying to break in to the router by guessing at the password. You should check to see who is logged in to that host. Ask them not to attempt to break into the router. You can disallow telnet access from a specific host using the **ACL ?** command.

Error Messages

%TELNETD-E-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the Telnet request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

Chapter 48

TFTP Error Messages

This chapter describes the error messages for the Trivial File Transfer Protocol facility.

Informational Messages

%TFTP-I-XFERRATE *<name>* *<number>* bytes in *<number>*.*<number>* seconds

Explanation:

This message appears to denote the transfer rate of the TFTP.

Recommended Action:

Informational Message. No action necessary.

Error Messages

%TFTP-E-BADTFTPURL Bad TFTP URL '<url_type>:/ /<url_name>'

Explanation:

This message appears when the TFTP URL is bad.

Recommended Action:

Ensure you have the correct format to get to the file on the TFTP server. For example, tftp://10.50.88.100/qa/img8.

%TFTP-E-FACADD error adding facility '<name>'

Explanation:

System resources are limited and the TFTP system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%TFTP-E-IOCTL ioctl(<number>) failed, errno = <number>

Explanation:

System resources are limited and the TFTP request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%TFTP-E-NORESPONSE No response from server: <name>

Explanation:

This message appears when there was no response from the TFTP server.

Recommended Action:

Check the IP address. Ensure you have a route. Attempt to ping the TFTP server to ensure you have a route to it.

%TFTP-E-REMOTE Remote error <number>: <name>

Explanation:

This message appears when the TFTP server had an error.

Recommended Action:

Verify the TFTP server is up and functioning. Also, ensure the file exists and has correct protections.

Chapter 49

Traceroute Error Messages

This chapter describes the error messages for the Traceroute facility.

Error Messages

%TR-E-BADVALUE invalid value (must be between *<number>* and *<number>*).

Explanation:

This message appears when there was a bad entry.

Recommended Action:

Enter valid entry between suggested values.

%TR-E-FACADD error adding facility '*<name>*'

Explanation:

System resources are limited and the Traceroute system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%TR-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when system resources are limited.

Recommended Action:

Increase system resources with more memory. If problem persists, contact DIGITAL Technical Support.

%TR-E-UNKWNHOST unknown host '<host_name>'

Explanation:

This message appears when the hostname could not be resolved.

Recommended Action:

Ensure you have a valid hostname and the DNS is working.

Chapter 50

Unicast Error Messages

This chapter describes the error messages for the Unicast facility.

Informational Messages

%UNICAST-I-NETSPECFIXED Network specification changed to (<IP_address/mask>).

Explanation:

An IP routing command expected a network IP address as a parameter. The mask was misconfigured by the user and therefore modified so that the command could successfully execute.

Recommended Action:

Other messages are also displayed providing more detailed information about the misconfiguration.

Warning Messages

%UNICAST-W-INVNETSPEC Non-masked bits not zero (<IP_address>).

Explanation:

An IP routing command expected a network IP address as a parameter. The non-masked portion of the IP address was misconfigured (should be all zeros).

Recommended Action:

Modify the network IP address parameter.

Error Messages

%UNICAST-E-IFEXISTS Interface <interface_name> already exists.

Explanation:

This message appears when you attempt to create a RIP interface which already exists.

Recommended Action:

Verify interface name and re-enter command.

%UNICAST-E-IFNOTFOUND <interface_name> is not a known interface.

Explanation:

A routing option was applied to a non-existent interface.

Recommended Action:

Select a valid interface.

%UNICAST-E-IFOVFL No more free interfaces max <number> current <number>.

Explanation:

The number of interfaces that can participate in IP routing has been reached.

Recommended Action:

Please contact DIGITAL Technical Support.

%UNICAST-E-INVBETENDS Lower limit of mask (<number>) is greater than upper limit (<number>).**Explanation:**

While defining a route filtering policy, the *between* option was misconfigured.

Recommended Action:

Reconfigure the lower and upper limits for the *between* option.

%UNICAST-E-INVBETLOWEND Lower limit of mask (<number>) is mask than specified mask len (<number>).**Explanation:**

While defining a route filtering policy, the *between* option was misconfigured. There is a conflict between the network's mask length and the lower limit defined by *between*.

Recommended Action:

Reconfigure the lower limit for the *between* option.

%UNICAST-E-INVBETWEENOPT Invalid between option.**Explanation:**

While defining a route filtering policy, the *between* option was misconfigured.

Recommended Action:

Reconfigure the lower and upper limits for the *between* option.

%UNICAST-E-INVCONFIG Gated is waiting for valid configuration.**Explanation:**

The current configuration contains invalid commands or is missing required commands that prevented the GateD task from starting.

Recommended Action:

Other error messages describe the misconfiguration in more detail.

%UNICAST-E-INVMASKLEN Masklen (<number>) specified is greater than 32.

Explanation:

While defining a route filtering policy, the *between* option was misconfigured. There is a conflict between the network's mask length and the range defined by the *between* option.

Recommended Action:

Make sure that both the lower and upper limits are numerical values equal or lower than 32.

%UNICAST-E-MARTIANEXISTS Martian <martian_name> already exists.

Explanation:

Duplicate martian addresses have been configured.

Recommended Action:

Remove one of the duplicate martians.

%UNICAST-E-MARTIANNOTFOUND <name> is not a known martian.

Explanation:

The software component that manages martian addresses has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%UNICAST-E-MARTIANOVFL No more free martians max <number> current <number>.

Explanation:

The maximum number of martian addresses that can be configured has been reached.

Recommended Action:

If possible, remove unused martians.

%UNICAST-E-NUMOFIFERR Numof interfaces mismatch (max <number> cur <number>).**Explanation:**

The software component that manages IP routing interfaces has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact DIGITAL Technical Support.

%UNICAST-E-NUMOFMARTIANERR Numof martians mismatch (max <number> cur <number>).**Explanation:**

Duplicate martian addresses have been configured.

Recommended Action:

Remove one of the duplicate martians.

Fatal Errors

%UNICAST-F-IOCTL ioctl(<number>) failed, errno = <number>**Explanation:**

System resources are limited and the Unicast request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact DIGITAL Technical Support.

%UNICAST-F-NOSPAWN Failed to spawn Gated (status <number>).**Explanation:**

The GateD task could not be spawned.

Recommended Action:

Restart the system. If the problem persists, please call DIGITAL Technical Support.

Chapter 51

VLAN Error Messages

This chapter describes the error messages for the VLAN facility.

Informational Messages

%VLAN-I-ACCESSCHNG Port *<port_list>* successfully changed to *<port_type>*.

Explanation:

This message appears when the specified ports were successfully changed to be trunk ports (or access ports).

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-ADDPORTR Adding ports *<port_list>* to VLAN *<vlan_name>*[*<vlan_id>*]

Explanation:

This message appears when the system is in the process of adding the specified ports to the specified VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-ADDSUCCESS <number_of_ports> <port_list> successfully added to VLAN <vlan_name>

Explanation:

This message appears when at the completion of the **vlan add ports** command.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-CHANGED Port <port_name> has been changed to be an access port

Explanation:

This message appears when the specified port was successfully changed from a trunk port to an access port.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-CREATED VLAN <vlan_name> created with VLAN ID <vlan_id>

Explanation:

This message appears when a VLAN was created successfully.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-PORTCHANGED Port <port_name> changed from <vlan_name> to <vlan_name>.

Explanation:

This message appears when a port has been move from one VLAN to another VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-REMOVED VLAN <vlan_name> successfully removed.**Explanation:**

This message appears when a VLAN was negated (removed) successfully.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-RMPORTS Removing ports <port_list> from VLAN <vlan_name>[<vlan_id>]**Explanation:**

This message appears when the system is in the process of removing the specified ports from the specified VLAN.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%VLAN-W-ADDFailure <number_of_ports> <port_list> could not be added to VLAN <vlan_name>**Explanation:**

This message appears when the specified ports could not be added to the VLAN. This could happen if they already belong to another VLAN and are access ports.

Recommended Action:

Check to see if the ports belong to another VLAN.

%VLAN-W-ALREADY The port is already in <vlan_type> mode**Explanation:**

This message appears when the specified port is to be a trunk or access port and the port is already specified as a trunk or access port.

Recommended Action:

Ensure that the port is an access or trunk port.

%VLAN-W-CMDNOTAPPLY Make port trunk/access port command does not apply to T1/T3 card

Explanation:

This message appears when the user specifies a WAN (HSSI or Serial) port is to be a trunk or access port.

Recommended Action:

WAN (HSSI/Serial) ports cannot be made trunk or access ports.

Error Messages

%VLAN-E-ADDFailure <number> port(s) <port_list> could not be added to VLAN <VLAN_name>

Explanation:

This message is displayed when none of the specified ports could be added to the given VLAN. This usually occurs when the user tries to assign access ports to a VLAN which are already part of another VLAN.

Recommended Action:

Remove the desired ports from the VLAN to which they are currently assigned, then reassign them to the new VLAN.

%VLAN-E-BADNAME_L3VLAN Only VLANs created implicitly by the system may begin with "SYS_". Please select another name.

Explanation:

This message appears when a user chose a name that began with "SYS_". Names beginning with "SYS_" are reserved.

Recommended Action:

Please select another name.

%VLAN-E-BADNAME_RSVD The VLAN name *<vlan_name>* conflicts with a reserved name. Please select another name.

Explanation:

VLAN names beginning with "SYS_" are reserved, as are other names such as "Default".

Recommended Action:

Use a different name for the VLAN.

%VLAN-E-BADNAME_TOOBIG The VLAN name cannot exceed 32 characters. Please select another name.

Explanation:

This message appears when the VLAN name exceeds 32 characters.

Recommended Action:

Please select another name that does not exceed 32 characters.

%VLAN-E-BADNAME_VLAN_ALNUM VLAN names must begin with an alphanumeric character. Please select another name.

Explanation:

This message appears when the user is trying to create a VLAN with a name that begins with a non- alphanumeric character, such as an underscore. This is not allowed.

Recommended Action:

Use a VLAN name which begins with an alphanumeric character (A-Z, a-z, 0-9).

%VLAN-E-BADNAME_WS The VLAN name must have at least 1 non-whitespace character. Please select another name.

Explanation:

This message appears when the user is trying to name a VLAN with a name that consists only of tabs and spaces. This is not allowed.

Recommended Action:

Use a name which has alphanumeric characters.

%VLAN-E-BOUND <vlan_name> is bound to a layer 3 (IP/IPX) interface. Please delete the interface first.

Explanation:

This message appears when the user is trying to delete a VLAN which is bound to an IP or IPX interface. The interface must be deleted first, before the VLAN can be deleted.

Recommended Action:

Delete all layer 3 interfaces to which this VLAN is bound. Then the VLAN can be deleted.

%VLAN-E-CMDNOTAPPLY Make port trunk/access port command does not apply to T1/T3 card

Explanation:

This message appears when the user specifies a WAN (HSSI or Serial) port is to be a trunk or access port.

Recommended Action:

WAN (HSSI/Serial) ports cannot be made trunk or access ports.

%VLAN-E-DUPNAME <vlan_name> already exists. Please use another name.

Explanation:

This message appears when the user is trying to create a VLAN with the same name as a VLAN which has already been created.

Recommended Action:

Use a different name for the VLAN being created.

%VLAN-E-DUPVID VLAN ID <id_number> already exists. Please use a different VLAN ID.

Explanation:

This message appears when the user is trying to create a VLAN with a VLAN ID that is already being used by another VLAN.

Recommended Action:

Use another VLAN ID for the VLAN being created.

%VLAN_E_L4BDGCONFIGERR Non-IP/IPX traffic not supported for L4-Bridging - Vlan <vlan-id>**Explanation:**

Non-IP/IPX traffic is currently permitted for the specified VLAN. Only IP/IPX traffic is allowed on a VLAN for which Layer 4 bridging is enabled.

Recommended Action:

Reconfigure the VLAN for IP-only, IPX-only or IP/IPX-only.

%VLAN_E_L4BDGNOTALLOW L4 Bridging not supported by Module <string> in slot <number>**Explanation:**

The specified module does not provide Layer 4 bridging capability.

Recommended Action:

Contact DIGITAL Technical Support.

%VLAN-E-NOACCESSCHNG Port <port_number> could not be changed from a trunk port to an access port. Please remove the port from all VLANs before retrying this command.**Explanation:**

An access port can belong to at most one VLAN per protocol type (IP/IPX/bridged-protocol). A trunk port may belong to any number of VLANs. When changing a port from a trunk port to an access port, if the trunk port belongs to too many VLANs, this message is displayed.

Recommended Action:

It is recommended that the port be removed from all VLANs before being converted to an access port. Then it can be added to the desired VLAN(s).

%VLAN-E-NOCREATE Failed to create VLAN <vlan_name>.**Explanation:**

This message appears when the system failed to create a VLAN.

Recommended Action:

Please call DIGITAL Technical Support for information about this message.

%VLAN-E-NOMEM Command failed because system has run out of memory.

Explanation:

This message appears when the GSR has run out of free memory.

Recommended Action:

Add more memory to the GSR Control Module.

%VLAN-E-NOREMOVE VLAN <vlan_name> cannot be removed because it contains ports. Please remove all ports in this VLAN before removing the VLAN.

Explanation:

A VLAN must have all ports removed from it before the VLAN can be removed.

Recommended Action:

Negate all commands which add ports to the VLAN before negating the VLAN.

%VLAN-E-NOREMOVEFROMDEFAULTVLAN Ports cannot be removed from the default VLAN.

Explanation:

This error message is displayed when the user attempts to remove a port from the default VLAN when the port does not belong to any other VLAN.

Recommended Action:

Do not attempt to remove a port from the default VLAN if it does not belong to any other VLAN.

%VLAN-E-NOSUCHVLAN VLAN '<vlan_name>' does not exist

Explanation:

This message appears when the user is trying to remove a VLAN which does not exist.

Recommended Action:

Check the VLAN name and try again.

%VLAN-E-NOT_REMOVED <vlan_name> could not be removed.

Explanation:

This message appears when the user is trying to delete a reserved VLAN, or a VLAN which does not exist.

Recommended Action:

Check the name of the VLAN; do not try to remove reserved VLANs.

%VLAN-E-PORTSINLGRPS Some ports (<port_name>) could not be added because they belong to SmartTRUNKs.

Explanation:

This error message is displayed when the user attempts to add one or more ports that belong to a link group (SmartTRUNK) to a VLAN, as well.

Recommended Action:

Add the entire link group (SmartTRUNK) to the VLAN or remove the specified port from the link group before adding it to a VLAN.

%VLAN-E-STNOTFOUND SmartTRUNK st.<number> not found.

Explanation:

This message appears when the SmartTRUNK specified does not exist.

Recommended Action:

Verify SmartTRUNK.

Chapter 52

IP Redundancy (VRRP) Error Messages

This chapter describes the error messages for the IP Redundancy (VRRP) facility.

Informational Messages

**%IPRED-I-CONFIGUPDATE updated config for virtual router
<id_number> on interface <interface_name>**

Explanation:

This message appears when the Virtual Router configuration on an interface has changed.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-STATE <event>, <old_state>-><new_state>, I/F <Interface name>, vid <router ID>

Explanation:

This message appears for the following events: Startup (Startup), Shutdwn (Shutdown), Adv Tmr (Advertise Timer), Mas Dwn (Master down timer), Rcv ZPP (Received zero priority packet), Rcv EPP (Received equal priority packet), Rcv HPP (Received higher priority packet), Rcv LPP (Received lower priority packet), and Int Dwn (Interface Down). Old_state/new_state can be M (Master), B (Backup), or I (Initialize).

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_CREATED successful creation of virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when a Virtual Router has been successfully added on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_IPADDED added IP address <IP_address> to virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when an IP address has been added to a Virtual Router defined on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_IPREMOVED removed IP address <IP_address> from virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when an IP address has been removed from a Virtual Router defined on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_REMOVE_REQ initiated deletion of virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when a Virtual Router is being deleted from an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_REMOVE_DONE successful shutdown and deletion of virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when deletion of a Virtual Router from an interface has succeeded.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_STARTED started virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when a Virtual Router has been initialized on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_STOPPED stopped virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when a Virtual Router has been halted on an interface.

Recommended Action:

Informational Message. No action necessary.

Warning Messages

%IPRED-W-INVALID_EVENT received invalid event (VRRP state=<state name> event=<event name> interface=<name> vrid=<ID number> code=<ID>)

Explanation:

This message appears when a Virtual Router receives one of the following unrecognized events: Startup (Startup), Shutdwn (Shutdown), Adv Tmr (Advertise Timer), Mas Dwn (Master down timer), Rcv ZPP (Received zero priority packet), Rcv EPP (Received equal priority packet), Rcv HPP (Received higher priority packet), Rcv LPP (Received lower priority packet), and Int Dwn (Interface Down). State can be M (Master), B (Backup), or I (Initialize).

Recommended Action:

No action is necessary.

%IPRED-W-MSG_RX IPRED queue received unrecognized message <ID>

Explanation:

This message appears when receiving an unrecognized message from the IP RED task queue.

Recommended Action:

No action is necessary.

%IPRED-W-MSG_TX send message to IPRED queue failed (<function name> - <ID>)

Explanation:

This message appears when the sending of a message to the IP RED task queue fails.

Recommended Action:

No action is necessary.

%IPRED-W-TMR_MISSING timer expired - info not found (<name> - <ID>)**Explanation:**

This message is usually displayed when a VRRP state transitions and can be ignored. However, if it's displayed repeatedly, follow the recommended action below.

Recommended Action:

Stop the currently configured VRRP Virtual Routers (negate the **vrrp start** CLI commands), and then re-start them.

Error Messages

%IPRED-E-ADDRMASK invalid subnet (interface <interface_name>, virtual-router <id_number>)**Explanation:**

This error message appears when the mask given to an IP address associated with a Virtual Router is invalid.

Recommended Action:

Correct the network mask and re-execute the CLI command.

%IPRED-E-AUTHKEY a key is required for the type of authorization selected (interface <interface_name>; virtual-router <id_number>)**Explanation:**

This error message appears when a Virtual Router has been configured to one of several authorization types that require a key. However, the "key" parameter/option is missing.

Recommended Action:

Ensure that you have properly configured a "key" for the Virtual Router referred to in the error message.

%IPRED-E-BAD_AF interface *<interface_name>* is not an IP interface

Explanation:

The message appears when the interface added to a Virtual Router is not an IP interface.

Recommended Action:

Verify interface is an IP interface.

%IPRED-E-CONFIGCMD remove config parameters currently applied to virtual-router *<id_number>* on interface *<interface_name>*

Explanation:

This message appears when the user attempts to remove a Virtual Router from the system. However, CLI commands referring to (or dependent upon) the existence of the Virtual Router in question still exist.

Recommended Action:

Remove all CLI commands that refer to this Virtual Router.

%IPRED-E-DUPL_CFG *<parameter name>* parameter already configured - ignoring (interface *<interface_name>*; virtual-router *<id_number>*)

Explanation:

This message appears when the same parameter is configured more than once with conflicting values.

Recommended Action:

Be sure to remove any extra configuration CLI commands.

%IPRED-E-DUPLICATE virtual-router *<id_number>* already exists on interface *<interface_name>*

Explanation:

This message appears when a Virtual Router has been applied to an interface and a Virtual Router already exists on the specified interface.

Recommended Action:

Verify the Virtual Router configuration.

%IPRED-E-ENO en0 is not a valid interface**Explanation:**

This message appears when en0 is added to a Virtual Router. en0 is not a valid interface.

Recommended Action:

Do not specify en0 as a Virtual Router interface.

%IPRED-E-IF_MISMATCH IP address <IP_address> is currently in use by interface <interface_name>**Explanation:**

This message appears when an address is associated with a Virtual Router. However, the IP address is currently in use on the GSR on a different interface from the one where the Virtual Router has been configured.

Recommended Action:

Verify that the Virtual Router configuration is correct.

%IPRED-E-KEYLEN invalid key length (<number>). Maximum length = 8 characters (interface <interface_name>; virtual-router <id_number>)**Explanation:**

This message appears when the user attempts to configure an authorization key with an illegal length.

Recommended Action:

Redefine the length of the authorization key, ensuring that the value is within the guideline specified in the error message text.

%IPRED-E-MANY_IPADDRS remove associated IP addresses before removing virtual-router <id_number> on interface <interface_name>**Explanation:**

This error message appears when the user attempts to remove a Virtual Router from the system that still has IP addresses associated with it.

Recommended Action:

Be sure to remove all of the associated IP addresses before removing the Virtual Router.

%IPRED-E-MISCONFIG at least 1 option to configure is required

Explanation:

This error message appears when the user attempts to select a Virtual Router to which a number of options are to be applied. However, at this time, no options are defined for the Virtual Router.

Recommended Action:

Verify the Virtual Router configuration.

%IPRED-E-NETMASK invalid netmask (interface <interface_name>, virtual-router <id_number>)

Explanation:

This error message appears when the mask given to an IP address associated with a Virtual Router is invalid.

Recommended Action:

Correct the network mask and re-execute the CLI command.

%IPRED-E-NOADDRS at least 1 associated IP address is required (interface <interface_name>; virtual-router <id_number>)

Explanation:

This error message appears when the user attempts to start a Virtual Router without having first associated an IP address with the Virtual Router.

Recommended Action:

Be sure to associate an IP address with the Virtual Router before attempting to restart it.

%IPRED-E-NO_MCAST interface <name> does not support IP multicasts

Explanation:

This error message appears when the user attempts to create a Virtual Router on an interface that does not support multicast IP addresses.

Recommended Action:

Select a valid interface for the Virtual Router.

%IPRED-E-NOSUCHIF invalid interface <interface_name>

Explanation:

This message appears when an invalid interface has been added to a Virtual Router.

Recommended Action:

Verify the interface is valid.

%IPRED-E-NOSUCHIP IP address not found (interface <interface_name>; virtual-router <id_number>)

Explanation:

This message appears when an invalid IP address has been added to a Virtual Router.

Recommended Action:

Verify the IP address is valid.

%IPRED-E-NOSUCHVR virtual router <id_number> not found on interface <interface_name>

Explanation:

This message appears when the user attempts to configure an option for a Virtual Router that has not yet been created.

Recommended Action:

Configure a Virtual Router before attempting to assign any options to it.

%IPRED-E-OWNER virtual-router <id_number> on interface <interface_name> has to be the address owner of ALL or NONE of the associated IP addresses. The following IP addresses cause a conflict: <IP address>

Explanation:

This message appears when multiple IP addresses have been associated with a Virtual Router.

Recommended Action:

Remove the IP address that causes a conflict.

Note: The IP addresses assigned to a Virtual Router must either all match the IP addresses of the interface where the Virtual Router has been configured, or must all be different from the interface IP address.

%IPRED-E-PRIORITY invalid priority assigned to virtual-router <id_number> on interface <interface_name> <explanation>

Explanation:

This message appears when a Virtual Router priority has been configured incorrectly.

Recommended Action:

Reconfigure the priority as stated in the “explanation” portion of the message text.

%IPRED-E-RXD_VRRP_PKT <explanation>

Explanation:

This message appears when a VRRP packet with conflicting information is received.

Recommended Action:

The “explanation” portion of the message text describes what portion of the received packet is incorrect. It may also display the IP address of the router responsible for generating the invalid/conflicting VRRP packets. Ensure that the local and remote routers both have an identical configuration for the Virtual Router.

%IPRED-E-STARTCMD remove 'start' command currently applied to virtual-router <id_number> on interface <interface_name>

Explanation:

This message appears when the user attempts to remove a Virtual Router. However, a CLI **start** command referring to the Virtual Router about to be removed still exists.

Recommended Action:

Be sure to remove the CLI **start** command in question before removing the Virtual Router.

%IPRED-E-SEND_VRRP detected interface down

Explanation:

This message appears when the GSR attempts to transmit a VRRP packet on an interface which is not currently “up”.

Recommended Action:

Verify that the interface is “up” before attempting to resend the VRRP packet.

Chapter 53

WAN Error Messages

This chapter describes the error messages for the WAN facility.

Warning Messages

%WAN-W-MSG invalid nlpid (<number>) or proto from vc <number> on port <name>

Explanation:

This warning message appears when the GSR receives an illegal nlpid value while connected to a Cisco product via Frame Relay.

Recommended Action:

Ensure that the Permanent Virtual Circuit on the Cisco product is set to IETF PVC.

Chapter 54

Web Cache Error Messages

This chapter describes the error messages for the web cache facility.

Informational Messages

%WC-I-BYPASS_LIST Bypass list *<list>* for web caching *<name>*

Explanation:

Hosts for which HTTP requests are not redirected for the caching policy.

Recommended Action:

Informational message. No action necessary.

%WC-I-CREATED Web caching *<name>* has been successfully created for server group *<group>*

Explanation:

The cache group has been created.

Recommended Action:

Informational message. No action necessary.

%WC-I-DELETED Web caching <name> has been successfully deleted for server group <group>

Explanation:

The cache group has been deleted.

Recommended Action:

Informational message. No action necessary.

%WC-I-INTERFACE Policy <name> has been successfully attached to/attached from <interface> interface

Explanation:

The caching policy has been applied to the specified interface.

Recommended Action:

Informational message. No action necessary.

%WC-I-NOALL No policy applied to all IP interfaces

Explanation:

There is no caching policy that is applied to all IP interfaces.

Recommended Action:

Informational message. No action necessary.

%WC-I-USER_LIST User list <list> for web caching <name>

Explanation:

List of clients for the web caching policy.

Recommended Action:

Informational message. No action necessary.

Error Messages

%WC-E-ACLNOTFOUND Rule *<acl/>* not present

Explanation:

The specified ACL is not found.

Recommended Action:

Check the ACL name and make sure it exists.

%WC-E-APPLIED Policy has other commands attached -- negate these commands first

Explanation:

The policy that is being negated has other commands applied to it. This policy cannot be deleted before the other applied commands.

Recommended Action:

Negate the other commands that are applied to this policy before deleting this policy.

%WC-E-EXCEEDED Total number of servers specified *<number>* exceeded maximum capacity *<maximum>*

Explanation:

The number of servers specified exceeds the maximum allowed (128).

Recommended Action:

A maximum of 128 servers can be part of a cache group. Make sure that there are no more than 128 servers specified for the cache group.

%WC-E-IFAPPLIED Interface *<name>* has a cache applied -- cannot apply multiple cache blocks to an interface

Explanation:

A caching policy is already applied to the specified interface.

Recommended Action:

Compare the applied caching policy with the new policy. To apply the new policy to the interface, first delete the already-applied policy from the interface.

%WC-E-INCORRECT_LIST IP list specified is invalid

Explanation:

The list of IP addresses is specified in an incorrect format.

Recommended Action:

Specify the IP address list in the format "ip-addr1 ... ip-addr4".

%WC-E-INCORRECT_RANGE IP range specified should have only 2 elements "start IP address end IP address"

Explanation:

The range of IP addresses is specified in an incorrect format.

Recommended Action:

Specify the IP address range in the format "start-IP end-IP".

%WC-E-INVALID Range or list specified not in correct format e.g. range "lower-IP-address higher-IP address"

Explanation:

The IP address range or list is specified in an incorrect format.

Recommended Action:

Check the command syntax and specify the range or list in the correct format.

%WC-E-IPONLY Policy can be applied to IP ACLs only -- ignoring <acl>

Explanation:

Only IP ACLs can be specified for the policy.

Recommended Action:

Specify an IP ACL.

%WC-E-NOCACHE Could not find cache <name>

Explanation:

The specified cache is not found.

Recommended Action:

Check the cache name and make sure it exists.

%WC-E-NOMEM Processing error -- out of memory <string>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact DIGITAL Technical Support.

%WC-E-NONIPF Cannot apply policy to non IP interface <name>

Explanation:

The interface to which the policy is being applied is a non-IP interface.

Recommended Action:

Apply the policy to an IP interface.

%WC-E-NOSUCHIF Interface <name> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name and make sure it exists.

%WC-E-NOSVRLIST Could not find server list *<list>* for cache *<name>*

Explanation:

The specified server group name does not exist in the specified cache group.

Recommended Action:

Check the server group name and make sure it exists.

%WC-E-SVRLIST_EXISTS Server list *<list>* already exists

Explanation:

The specified server group name already exists in the specified cache group. Duplicate server names are not allowed.

Recommended Action:

Verify the server group name. Otherwise, no further action is necessary.

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