



## INDEX

---

### A

#### ACE

- initialization failure [2-43](#)
- logging, enabling [1-20](#)
- logging, rejecting new connections [1-21](#)
- logging levels [1-4](#)
- logging overview [1-2](#)
- log message format [1-3](#)
- network processor error [2-50](#)
- physical memory for load-balancing [2-49](#)
- severity levels [1-4](#)
- subsystem levels [1-4](#)

#### ACL resources

- minimum not guaranteed [2-13](#)
- usage beyond limit [2-13](#)

#### ACLs

- compilation process out of memory [2-3](#)

#### address translation slot

- created [2-18](#)

#### alert messages [3-1](#)

#### ARP

- collision [2-21](#)
- inspection check failure [2-20](#)
- poisoning [2-21](#)

#### attacks

- ARP poisoning [2-21](#)
- spoofing [2-2, 2-19, 2-20, 2-23](#)

---

### B

- buffer, logging to [1-9](#)

---

### C

- cache alignment error [2-47](#)

- clearing log messages [1-22](#)

- configuration, modified by command, system message [2-4](#)

#### configuration files

- replication failure [2-36](#)

- configuration modified by command message [2-2, 2-3](#)

#### console

- logging to [1-11](#)

#### content type verification

- failed, unexpected number in message body [2-24](#)

#### context

- adding context with an associated sticky group [2-46](#)

- associated sticky group [2-46](#)

- configuration synchronization failure [2-38](#)

- removing with an associated sticky group [2-46](#)

- show command failure [2-47](#)

- state change [2-38](#)

- sticky entry request [2-46](#)

- control processor, unrecognized message [2-51](#)

- critical messages [3-2](#)

---

### D

- debugging messages [3-9](#)

- debug logging failure [2-53](#)

#### DNS

- packet message [2-22](#)

---

**E**

EMBLEM-format logging [1-12](#)  
 Encap table full [2-20](#)  
 error messages [3-2](#)

---

**F**

facility, changing [1-17](#)  
 fault tolerance  
     See HA  
 Flash memory  
     logging to [1-14](#)  
 FT group  
     context name mismatch [2-35](#)  
     peer state change [2-52](#)  
     two active devices detected [2-36](#)  
 FT interface, peer unreachable [2-35](#)  
 FTP port command  
     address other than the address used in the  
     connection [2-22](#)  
     low port number [2-22](#)  
 FTP traffic  
     strict inspection policy denies request command [2-17](#)  
     unrecognized command in request message when  
     using strict inspection policy [2-17](#)  
 FT track state change [2-41](#)

---

**H**

HA  
     alternate pings [2-41, 2-42](#)  
     communication failure [2-37](#)  
     configuration replication failure [2-38](#)  
     context name mismatch [2-35](#)  
     context state change [2-38](#)  
     data dropped [2-53](#)  
     FT track state change [2-41](#)  
     heartbeat interval mismatch [2-40](#)

    heartbeats unidirectional [2-40](#)  
     initialization failure [2-37](#)  
     internal error [2-37](#)  
     mapping failure [2-52](#)  
     module [2-37](#)  
     peer compatibility [2-42](#)  
     peer incompatibility [2-36](#)  
     peer reachable [2-40, 2-42](#)  
     peer state change [2-52](#)  
     peer unreachable [2-35, 2-48](#)  
     receive error [2-48](#)  
     redundancy heartbeat stopped [2-42](#)  
     replication failure [2-36, 2-38](#)  
     replication in process [2-40](#)  
     state transitions [2-38](#)  
     two active devices detected [2-36](#)

hash table, invalid index [2-50](#)

## heartbeat

    interval mismatch [2-40](#)  
     started [2-42](#)  
     stopped [2-35, 2-41, 2-42](#)  
     unidirectional [2-40](#)

## High Availability

    See HA

## HTTP

    body length within configured range [2-26](#)  
     body matches regular expression [2-24](#)  
     header length within configured range [2-26](#)  
     parser unable to detect valid message [2-25](#)  
     request method matches regular expression [2-25](#)  
     return code, threshold reached [2-53](#)  
     transfer/content encoding matches regular  
     expression [2-25](#)  
     URI length within configured range [2-25](#)  
     URI matches regular expression [2-24](#)

## HTTP content

    instant messenger protocol detected [2-27](#)  
     peer-to-peer protocol detected [2-27](#)  
     tunneling protocol detected [2-26](#)

## HTTP header

matches regular expression [2-24, 2-26](#)

## I

## ICMP

health probe error [2-8](#)

initialization failure [2-18](#)

memory failure [2-19](#)

packet denied [2-18](#)

probe error [2-7, 2-8](#)

session established [2-15](#)

session removed [2-16](#)

unexpected server response [2-9](#)

informational messages [3-7](#)

initialization failure [2-37, 2-43](#)

## interface

configuration status change [2-23](#)

configuration status changed [2-23](#)

line protocol change of state [2-22, 2-23](#)

VLAN availability [2-34](#)

invalid lookup key [2-51](#)

IP header option error [2-21](#)

## L

## levels

changing [1-18](#)

overview [1-4](#)

severity listing [1-4](#)

## licenses

16G takes effects after reboot [2-31](#)

evaluation time expired [2-31](#)

evaluation time warning [2-31](#)

failed checkout [2-30](#)

installation completed [2-30](#)

manager exiting [2-31](#)

uninstall completed [2-30](#)

limiting the syslog rate [1-19](#)

line protocol, status change [2-22, 2-23](#)

## load balancing

cache alignment error [2-47](#)

general error [2-44](#)

HA data dropped [2-53](#)

internal channel error [2-47](#)

internal error [2-45](#)

mapped memory [2-49](#)

processor communications error [2-47](#)

sticky database error [2-45, 2-49](#)

sticky entry inconsistency [2-49](#)

sticky error [2-45](#)

transmit failure [2-44](#)

unrecognized message [2-51](#)

log files, logging levels [1-4](#)

## logging

changing message levels [1-7, 1-19](#)

connection setup and teardown syslog messages, enabling [1-22](#)

disabling messages [1-18](#)

EMBLEM-format logging [1-12](#)

enabling [1-8, 1-20](#)

facility, changing [1-17](#)

levels [1-4](#)

log messages, clearing [1-22](#)

message format [1-3](#)

message queue size, changing [1-17](#)

overview [1-2](#)

quick start [1-6](#)

rejecting new connections [1-21](#)

severity level of messages, changing [1-18](#)

severity levels [1-4](#)

syslog output locations, specifying [1-8](#)

syslog rate, limiting [1-19](#)

system message timestamp, enabling [1-15](#)

to buffer [1-9](#)

to console [1-11](#)

to Flash memory [1-14](#)

- to SNMP NMS [1-13](#)
- to SSH session [1-9](#)
- to Supervisor engine [1-13](#)
- to syslog server [1-11](#)
- to Telnet session [1-9](#)
- variables [1-4](#)
- viewing log message information [1-23](#)

logging on the ACE, enabling [1-20](#)

---

## M

MAC addresses

- mapping change [2-23](#)

mapping failure [2-52](#)

memory mapping failure [2-53](#)

messages

- format [1-3](#)
- message queue size, changing [1-17](#)
- severity levels [1-4, 3-1](#)
- timestamp, enabling [1-15](#)
- understanding [1-3](#)
- variables [1-4](#)

---

## N

network processor error, sticky [2-50, 2-51](#)

notification messages [3-6](#)

numerical codes of system messages [2-1](#)

---

## O

output locations

- buffer [1-9](#)
- console [1-11](#)
- Flash memory [1-14](#)
- SNMP [1-13](#)
- SNMP NMS [1-13](#)
- specifying [1-8](#)

- SSH session [1-9](#)
- Supervisor module [1-13](#)
- syslog server [1-11](#)
- Telnet [1-9](#)
- Telnet session [1-9](#)

---

## P

peer

- alternate pings [2-41, 2-42](#)
- communication failure [2-37](#)
- heartbeat interval mismatch [2-40](#)
- heartbeats unidirectional [2-40](#)
- incompatibility [2-36](#)
- mapping failure [2-52](#)
- reachable [2-40, 2-42](#)
- receive error [2-48](#)
- replication failure [2-36, 2-38](#)
- replication in process [2-40](#)
- state change [2-52](#)
- unreachable [2-35, 2-48](#)

probe

- connectivity error [2-8](#)
- connectivity error for ICMP probe [2-8](#)
- empty health probe script [2-6](#)
- failure due to internal error [2-7](#)
- internal error for ICMP probe [2-7, 2-8](#)
- internal error when loading script [2-6](#)
- lost script file [2-6](#)
- memory allocation failure [2-5](#)
- unable to load script [2-6](#)
- unexpected ICMP server response [2-9](#)
- unexpected server response [2-9](#)

processing

- ACL compilation process out of memory [2-3](#)
- invalid lookup key [2-51](#)

proxy connection rebalanced [2-48](#)

**Q**

quick start

logging 1-6

**R**

real servers

HTTP return code threshold 2-53

state change 2-29

state change to down 2-29

state change to down in specified server farm 2-28

state change to up 2-29

state change to up in specified server farm 2-28

regex resources

minimum not guaranteed 2-54

usage beyond limit 2-54

regular expression table compilation process, out of memory 2-54

reload

reasons 2-4

record 2-4

RTSP

connection, opened by ASA for specified IP address and ports 2-19

**S**

SCCP

command denied by inspection policy 2-34

connection preallocated for session-negotiated media streams 2-33

message over configured size dropped 2-33

message that is too small dropped 2-33

registration not completed 2-34

scripts

empty 2-6

error determining size 2-10

error reading 2-10

internal error when loading 2-6

lost file 2-6

memory allocation error 2-6

security context

added to system 2-32

removed from system 2-32

server connection

lost 2-44

rebalanced 2-48

server farms

failover back in service notification 2-28

failover to backup notification 2-28

HTTP return code threshold 2-53

severity codes of system messages 3-1

severity level messages

Level 1 messages 3-1

Level 2 messages 3-2

Level 3 messages 3-2

Level 4 messages 3-4

Level 5 messages 3-6

Level 6 messages 3-7

Level 7 messages 3-9

overview 1-4

severity levels

alerts 3-1

changing 1-18

critical 3-2

debugging 3-9

errors 3-2

informational 3-7

notifications 3-6

of messages 3-1

overview 1-4

warning 3-4

show command

failure 2-47

site security policy, averting 2-22

SNMP

daemon initialization failure 2-5

- memory allocation failure [2-5](#)
- network management station [1-13](#)
- Shadow Table error [2-27](#)
- spoofing attack [2-2, 2-19, 2-20, 2-23](#)
- SSH
  - session, sending syslog messages [1-9](#)
- SSL
  - CRL, failure to retrieve [2-12](#)
- SSL certificate
  - expired [2-10, 2-12](#)
  - invalid or nonexistent [2-11](#)
  - not currently valid [2-10](#)
  - revoked by certificate authority [2-11](#)
  - signature invalid [2-11](#)
  - unknown certificate authority [2-11](#)
- sticky
  - associated group [2-46](#)
  - database error [2-45](#)
  - entries added or removed [2-50](#)
  - entry dropped [2-52](#)
  - entry inconsistency [2-49](#)
  - initialization failure [2-43](#)
  - key, invalid [2-51](#)
  - network processor error [2-51](#)
  - processor error [2-45, 2-50](#)
  - request not responded to [2-49](#)
  - resources exceeded [2-46](#)
  - unexpected sticky group lookup result [2-49](#)
- subsystems [1-4](#)
- supervisor
  - logging to [1-13](#)
- syslog output locations
  - buffer [1-9](#)
  - console [1-11](#)
  - Flash memory [1-14](#)
  - SNMP NMS [1-13](#)
  - specifying [1-8](#)
  - SSH session [1-9](#)
  - Supervisor engine [1-13](#)
  - syslog server [1-11](#)
  - Telnet session [1-9](#)
- syslog rate, limiting [1-19](#)
- syslog server
  - device ID, specifying [1-16](#)
  - EMBLEM-format logging [1-12](#)
  - identifying messages sent [1-15](#)
  - sending syslog messages [1-11](#)
- system message logging
  - connections
    - setup and teardown syslog messages, enabling [1-22](#)
  - disabling messages [1-18](#)
  - EMBLEM-format logging [1-12](#)
  - enabling [1-8, 1-20](#)
  - facility, changing [1-17](#)
  - format [1-3](#)
  - log messages, clearing [1-22](#)
  - overview [1-2](#)
  - queue, changing [1-17](#)
  - quick start [1-6](#)
  - rejecting new connections [1-21](#)
  - severity level, changing [1-18](#)
  - severity levels [1-4](#)
  - syslog output locations, specifying [1-8](#)
  - syslog rate, limiting [1-19](#)
  - to buffer [1-9](#)
  - to console [1-11](#)
  - to Flash memory [1-14](#)
  - to SNMP NMS [1-13](#)
  - to SSH session [1-9](#)
  - to Supervisor engine [1-13](#)
  - to syslog server [1-11](#)
  - to Telnet session [1-9](#)
  - understanding [1-3](#)
  - variables [1-4](#)
  - viewing log message information [1-23](#)
- system messages
  - by numerical code [2-1](#)

by severity code [3-1](#)  
timestamps, enabling [1-15](#)

---

## T

### TCP

connection failure [2-37](#)  
connection slot creation [2-14, 2-16](#)  
connection slot termination [2-14, 2-16](#)  
termination reasons [2-14, 2-16](#)

### Telnet

session, sending syslog messages [1-9](#)

---

## U

### UDP

connection slot creation [2-15, 2-16](#)  
connection slot deletion [2-15, 2-17](#)  
DNS packet [2-22](#)

### URL

host access record [2-17](#)

---

## V

### variables

fields [1-4](#)  
in messages [1-4](#)

viewing log message information [1-23](#)

### VLANs

number availability [2-34](#)

---

## W

warning messages [3-4](#)





