

About This Guide

The following topics explain how to use this guide.

- What's New in Each Release, on page i
- About ASA Syslog Messages, on page xvi
- Communications, Services, and Additional Information, on page xx

What's New in Each Release

This section provides the following new or changed logging information for ASA.

- **Timestamp Logging:** Beginning with version 9.10(1), ASA provides the option to enable timestamp as per RFC 5424 in eventing syslogs. When this option is enabled, all timestamp of syslog messages would be displaying the time, in UTC, as per RFC 5424 format. Following is a sample output with RFC 5424 format:

  ```
  <166>2018-06-27T12:17:46Z asa : %ASA-6-110002: Failed to locate egress interface for
  protocol from src interface :src IP/src port to dest IP/dest port
  ```

The following section provides new, changed, and deprecated syslog messages for the following ASA releases:

- Version 9.24(10)
- Version 9.24(1)
- Version 9.23(1)
- Version 9.22(1)
- Version 9.20(2)
- Version 9.20(1)
- Version 9.19(1)
- Version 9.18(1)
- Version 9.17(1)
- Version 9.16(1)
- Version 9.15(1)
- Version 9.14(1)

- Version 9.13(1)
- Version 9.12(1)
- Version 9.10(1)
- Version 9.9(2)
- Version 9.9(1)
- Version 9.8(2)
- Version 9.8(1)
- Version 9.7(1)
- Version 9.6(2)
- Version 9.6(1)
- Version 9.5(2)
- Version 9.5(1)
- Version 9.4(1.225)
- Version 9.4(1.150)
- Version 9.4(1)
- Version 9.3(3)
- Version 9.3(2)
- Version 9.3(1)
- Version 9.2(1)
- Version 9.1(7)
- Version 9.1(5)
- Version 9.1(4)
- Version 9.1(3)
- Version 9.1(2)
- Version 9.1(1)
- Version 9.0(3)
- Version 9.0(2)
- Version 9.0(1)
- Version 8.7(1)
- Version 8.4(6)
- Version 8.4(5)
- Version 8.4.4(1)

- Version 8.3(3)
- Version 8.2(5)
- Version 8.0(1)
- Pre-8.0(1) Release
- Version 7.0.7(8)

Table 1: New, Changed, and Deprecated Syslog Messages for Version 9.24(10)

New Syslog Messages	305024, 305025, 305026, 305027
Changed Syslog Messages (Document)	None
Changed Syslog Messages (Code)	None

Table 2: New, Changed, and Deprecated Syslog Messages for Version 9.24(1)

New Syslog Messages	716163, 716164
Changed Syslog Messages (Document)	None
Changed Syslog Messages (Code)	302014, 302016

Table 3: New, Changed, and Deprecated Syslog Messages for Version 9.23(1)

New Syslog Messages	339010, 339011, 339012, 339013, 339014, 717067, 717068, 707069, 717070
Changed Syslog Messages (Document)	None
Changed Syslog Messages (Code)	None

Table 4: New, Changed, and Deprecated Syslog Messages for Version 9.22(1)

New Syslog Messages	413009, 610003
Changed Syslog Messages (Document)	None
Changed Syslog Messages (Code)	None

For Version 9.20(2), there are no new, changed, or deprecated syslog messages.

The following table lists the new, changed, and deprecated syslog message for Version 9.20(1). For complete syslog message descriptions, see respective chapters.

Table 5: New, Changed, and Deprecated Syslog Messages for Version 9.20(1)

New Syslog Messages	717068, 717071, 717072, 870001, 880001, 880002
Changed Syslog Messages (Document)	None

Changed Syslog Messages (Code)	302020, 302021

For Version 9.19(1), there are no new, changed, or deprecated syslog messages.

For Version 9.18(1), there are no new, changed, or deprecated syslog messages.

The following table lists the new, changed, and deprecated syslog message for Version 9.17(1). For complete syslog message descriptions, see respective chapters.

Table 6: New, Changed, and Deprecated Syslog Messages for Version 9.17(1)

New Syslog Messages	709009, 709010, 709011, 709012, 709013
Changed Syslog Messages (Document)	None
Changed Syslog Messages (Code)	None

The following table lists the new, changed, and deprecated syslog message for Version 9.16(1). For complete syslog message descriptions, see respective chapters.

Table 7: New, Changed, and Deprecated Syslog Messages for Version 9.16(1)

New Syslog Messages	302037, 302038, 305021, 305022, 317077, 317077, 324302, 324303, 717032, 722057, 733201, 812005, 812006
Changed Syslog Messages (Document)	717009
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	716055 and 716056

The following table lists the new, changed, and deprecated syslog message for Version 9.15(1). For complete syslog message descriptions, see respective chapters.

Table 8: New, Changed, and Deprecated Syslog Messages for Version 9.15(1)

New Syslog Messages	None
Changed Syslog Messages (Document)	105042, 105003, 105004, 105043, 305006, 414004
Changed Syslog Messages (Code)	302013, 302014

The following table lists the new, changed, and deprecated syslog message for Version 9.14(1). For complete syslog message descriptions, see respective chapters.

Table 9: New, Changed, and Deprecated Syslog Messages for Version 9.14(1)

New Syslog Messages	209006, 324012

The following table lists the new, changed, and deprecated syslog message for Version 9.13(1). For complete syslog message descriptions, see respective chapters.

Table 10: New, Changed, and Deprecated Syslog Messages for Version 9.13(1)

New Syslog Messages	121001, 121002, 121003, 302311, 305018, 305019, 305020, 324010, 324011, 769007, 769009
Changed Syslog Messages	
Deprecated Syslog Messages	717008, 717009, 717012, 717018, 717024, 717031

The following table lists the new, changed, and deprecated syslog messages for Version 9.12(1). For complete syslog message descriptions, see respective chapters.

Table 11: New, Changed, and Deprecated Syslog Messages for Version 9.12(1)

New Syslog Messages	305017, 308003, 308004, 339006, 339007, 339008, 408101, 408102, 409014, 409015, 409016, 409017, 419004-419006, 503002, 503003, 503004, 503005, 716165 , 737038, 737200-737206, 737400-737407, 747042, 747043, 747044, 768003, 768004, 815002, 815003, 815004
Changed Syslog Messages	737001-737019, 737026, 737031-737036
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.10(1). For complete syslog message descriptions, see respective chapters.

Table 12: New, Changed, and Deprecated Syslog Messages for Version 9.10(1)

New Syslog Messages	339001, 339002, 339003, 339004, 339005, 850001, 850002
Changed Syslog Messages	725002
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.9(1). For complete syslog message descriptions, see respective chapters.

Table 13: New, Changed, and Deprecated Syslog Messages for Version 9.9(2)

New Syslog Messages	199027, 747037, 747038, 747039, 747040, 747041
Changed Syslog Messages (Documentation)	321006, 747023, 747024, 747034, 747035, 747036
Changed Syslog Messages (Code)	747023, 747024, 747034, 747035, 747036
Deprecated Syslog Messages	815001, 815002

Table 14: New, Changed, and Deprecated Syslog Messages for Version 9.9(1)

New Syslog Messages	104500, 104501, 104502, 105500, 105501, 105502, 105503, 105504, 105505, 105506, 105507, 105508, 105509, 105510, 105511, 105512, 105513, 105514, 105515, 105516, 105517, 105518, 105519, 105520, 105521, 105522, 105523, 105524, 105525, 105526, 105527, 105528, 105529, 105530, 105531, 105532, 105533, 105534, 105535, 105536, 105537, 105538, 105539, 105540, 105541, 105542, 105543, 105544, 105545, 105546, 105547, 105548, 105549, 105550, 105551, 105552, 105553, 418018, 418019, 418040, 750015, 751028
Changed Syslog Messages (Documentation)	302014
Changed Syslog Messages (Code)	302014
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.8(2). For complete syslog message descriptions, see respective chapters.

Table 15: New, Changed, and Deprecated Syslog Messages for Version 9.8(2)

New Syslog Messages	753001, 840001, 8300001, 8300002, 8300003, 8300004, 8300005, 8300006
Changed Syslog Messages (Documentation)	
Changed Syslog Messages (Code)	
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.8(1). For complete syslog message descriptions, see respective chapters.

Table 16: New, Changed, and Deprecated Syslog Messages for Version 9.8(1)

New Syslog Messages	109105, 602306, 750013
Changed Syslog Messages (Documentation)	302020, 302021
Changed Syslog Messages (Code)	302020, 302021

Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.7(1). For complete syslog message descriptions, see respective chapters.

Table 17: New, Changed, and Deprecated Syslog Messages for Version 9.7(1)

New Syslog Messages	717061, 717062, 717063, 717064, 4302310, 806001, 806002, 806003, 806004, 806005, 806006, 806007,806008, 806009, 806010, 806011, 806012, 815001, 815002
Changed Syslog Messages (Documentation)	304001
Changed Syslog Messages (Code)	304001
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.6(2). For complete syslog message descriptions, see respective chapters.

Table 18: New, Changed, and Deprecated Syslog Messages for Version 9.6(2)

New Syslog Messages	315013, 337000, 337001, 717059, 717060, 769005, 769006
Changed Syslog Messages (Documentation)	103001,769004
Changed Syslog Messages (Code)	103001, 113015, 113016, 113017, 769004
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.6(1). For complete syslog message descriptions, see respective chapters.

Table 19: New, Changed, and Deprecated Syslog Messages for Version 9.6(1)

New Syslog Messages	604201-604208, 618001, 703008
Changed Syslog Messages (Documentation)	
Changed Syslog Messages (Code)	776005, 776014, 776015, 776017, 776018, 776019, 776251, 776252, 776253, 776254
Deprecated Syslog Messages	

The following table lists the new, changed, and deprecated syslog messages for Version 9.5(2). For complete syslog message descriptions, see respective chapters.

Table 20: New, Changed, and Deprecated Syslog Messages for Version 9.5(2)

New Syslog Messages	717057, 717058, 722056, 747036, 748201-748203, 785001
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.5(1). For complete syslog message descriptions, see respective chapters.

Table 21: New, Changed, and Deprecated Syslog Messages for Version 9.5(1)

New Syslog Messages	302035, 302036, 302305, 302306, 305014, 305016, 725017, 747034, 747035, 748100-748103
Changed Syslog Messages (Documentation)	500001, 500002
Changed Syslog Messages (Code)	500001, 500002
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.4(1.225). For complete syslog message descriptions, see respective chapters.

Table 22: New, Changed, and Deprecated Syslog Messages for Version 9.4(1.225)

New Syslog Messages	218005, 804001-804002, 803003
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	803001, 803002
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.4(1.150). For complete syslog message descriptions, see respective chapters.

Table 23: New, Changed, and Deprecated Syslog Messages for Version 9.4(1.150)

New Syslog Messages	748001-748009, 803001-803002
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.4(1). For complete syslog message descriptions, see respective chapters.

Table 24: New, Changed, and Deprecated Syslog Messages for Version 9.4(1)

New Syslog Messages	109040, 315012, 402149, 402150, 717052-717056, 751027
Changed Syslog Messages (Documentation)	405001, 730005
Changed Syslog Messages (Code)	730005
Deprecated Syslog Messages	337001-337009, 339001-339009, 608006

The following table lists the new, changed, and deprecated syslog messages for Version 9.3(3). For complete syslog message descriptions, see respective chapters.

Table 25: New, Changed, and Deprecated Syslog Messages for Version 9.3(3)

New Syslog Messages	None
Changed Syslog Messages (Documentation)	109006, 113005, 113014-113016, 315011, 603106, 605004, 611101, 611102, 716039
Changed Syslog Messages (Code)	109006, 113005, 113014-113016, 315011, 603106, 605004, 611101, 611102, 716039
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.3(2). For complete syslog message descriptions, see respective chapters.

Table 26: New, Changed, and Deprecated Syslog Messages for Version 9.3(2)

New Syslog Messages	110004, 342001-342008, 607004, 608006, 725016, 802001-802006

Changed Syslog Messages (Documentation)	210005, 302014, 505005, 609001, 609002, 725001-725010, 725012, 725013, 734004, 750003
Changed Syslog Messages (Code)	210005, 302014, 302016, 302018, 302021, 302304, 609001, 609002, 725001-725010, 725012, 725013, 734004
Deprecated Syslog Messages	734005

The following table lists the new, changed, and deprecated syslog messages for Version 9.3(1). For complete syslog message descriptions, see respective chapters.

Table 27: New, Changed, and Deprecated Syslog Messages for Version 9.3(1)

New Syslog Messages	103008, 105033, 105041, 302022-302027, 434004, 709008, 725016, 722055, 751025, 751026, 780001-780004
Changed Syslog Messages (Documentation)	725002
Changed Syslog Messages (Code)	725002
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.2(1). For complete syslog message descriptions, see respective chapters.

Table 28: New, Changed, and Deprecated Syslog Messages for Version 9.2(1)

New Syslog Messages	113041, 113042, 213007, 328002, 336018, 434001-434004, 434007, 520001-520005, 520010, 520011, 520013, 520020-520025, 613004-613008, 613011, 613013-613019, 613021-613043 722054, 778001-778007, 779001-779007
Changed Syslog Messages (Documentation)	201010, 602101, 611101, 611102, 734004
Changed Syslog Messages (Code)	611101, 611102, 734004
Deprecated Syslog Messages	210011, 202011, 321008, 321009

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(7). For complete syslog message descriptions, see respective chapters.

Table 29: New, Changed, and Deprecated Syslog Messages for Version 9.1(7)

New Syslog Messages	202016, 737034, 737035, 737036

Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	337005

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(5). For complete syslog message descriptions, see respective chapters.

Table 30: New, Changed, and Deprecated Syslog Messages for Version 9.1(5)

New Syslog Messages	780001, 780002
Changed Syslog Messages (Documentation)	113005, 113015, 113016, 113017, 210007, 611102, 720073
Changed Syslog Messages (Code)	113005, 113015, 113016, 113017, 210007, 611102, 720073
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(4). For complete syslog message descriptions, see respective chapters.

Table 31: New, Changed, and Deprecated Syslog Messages for Version 9.1(4)

New Syslog Messages	109100-109104, 321008, 321009, 444008, 444009, 716061, 743010, 743011, 747031-747033, 750010, 751024
Changed Syslog Messages (Documentation)	702307
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(3). For complete syslog message descriptions, see respective chapters.

Table 32: New, Changed, and Deprecated Syslog Messages for Version 9.1(3)

New Syslog Messages	None
Changed Syslog Messages (Documentation)	106100, 715080, 746001-746019, 747021
Changed Syslog Messages (Code)	747021

Deprecated Syslog Messages	102001

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(2). For complete syslog message descriptions, see respective chapters.

Table 33: New, Changed, and Deprecated Syslog Messages for Version 9.1(2)

New Syslog Messages	109100-109104, 402140-402148, 405003, 711006, 716600-716603, 730003, 730006-730009, 750011, 750012, 751023, 768001-768003, 769001-769004, 771001-771002, 772002-772006, 774001-774002
Changed Syslog Messages (Documentation)	315011, 713191, 751022
Changed Syslog Messages (Code)	103005, 315011, 713191, 751022
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.1(1). For complete syslog message descriptions, see respective chapters.

Table 34: New, Changed, and Deprecated Syslog Messages for Version 9.1(1)

New Syslog Messages	105050, 341001, 341002, 341004-341008, 341010, 341011, 751022
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.0(3). For complete syslog message descriptions, see respective chapters.

Table 35: New, Changed, and Deprecated Syslog Messages for Version 9.0(3)

New Syslog Messages	747030
Changed Syslog Messages (Documentation)	747022
Changed Syslog Messages (Code)	747022
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.0(2). For complete syslog message descriptions, see respective chapters.

Table 36: New, Changed, and Deprecated Syslog Messages for Version 9.0(2)

New Syslog Messages	199020, 199021, 747001-747029
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 9.0(1). For complete syslog message descriptions, see respective chapters.

Table 37: New, Changed, and Deprecated Syslog Messages for Version 9.0(1)

New Syslog Messages	109038, 109039, 114023, 302022-302027, 313009, 317007, 317008, 318101-318123, 318125-318128, 325004-325006, 402131, 426101-426104, 429007, 503101, 613104, 751019, 751020, 751021, 776001-776020, 776201-776204, 776251-776254, 776301-776313, 767001, 775001-775007
Changed Syslog Messages (Documentation)	103004, 103005, 106023, 106100, 106010, 106014, 109014, 113019, 313005, 418001, 424001, 509001, 722051, 725001-725006, 735026-735029, 737009-737011, 737013, 737014, 737016
Changed Syslog Messages (Code)	103005, 109014, 106100, 113019, 722051, 725001-725006, 735026-735029, 737009-737011, 737013, 737014, 737016
Deprecated Syslog Messages	302009

The following table lists the new, changed, and deprecated syslog messages for Version 8.7(1). For complete syslog message descriptions, see respective chapters.

Table 38: New, Changed, and Deprecated Syslog Messages for Version 8.7(1)

New Syslog Messages	341001-341003
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.4(6). For complete syslog message descriptions, see respective chapters.

Table 39: New, Changed, and Deprecated Syslog Messages for Version 8.4(6)

New Syslog Messages	716600-716603

Changed Syslog Messages (Documentation)	302014
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.4(5). For complete syslog message descriptions, see Chapter 1.

Table 40: New, Changed, and Deprecated Syslog Messages for Version 8.4(5)

New Syslog Messages	None
Changed Syslog Messages (Documentation)	103004, 103005
Changed Syslog Messages (Code)	103005
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.4.4(1). For complete syslog message descriptions, see respective chapters.

Table 41: New, Changed, and Deprecated Syslog Messages for Version 8.4.4(1)

New Syslog Messages	402140-402148, 429001-429006, 429008, 602303-602305, 752001-752017, 768001-768003, 769001-769004, 771001-771002, 772002-772006, 774001-774002
Changed Syslog Messages (Documentation)	113019, 315011
Changed Syslog Messages (Code)	315011
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.3(3). For complete syslog message descriptions, see respective chapters.

Table 42: New, Changed, and Deprecated Syslog Messages for Version 8.3(3)

New Syslog Messages	114023, 120012, 313009
Changed Syslog Messages (Documentation)	722036

Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.2(5). For complete syslog message descriptions, see respective chapters.

Table 43: New, Changed, and Deprecated Syslog Messages for Version 8.2(5)

New Syslog Messages	103005, 114023, 120012, 313009, 413007, 413008, 447001, 735024-735027
Changed Syslog Messages (Documentation)	722036
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 8.0(1). For complete syslog message descriptions, see respective chapters.

Table 44: New, Changed, and Deprecated Syslog Messages for Version 8.0(1)

New Syslog Messages	109035
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for pre-8.0(1) release. For complete syslog message descriptions, see respective chapters.

Table 45: New, Changed, and Deprecated Syslog Messages for pre-8.0(1) Release

New Syslog Messages	713207, 713275, 713276, 715018, 715031, 715032, 715078, 715079
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None

Deprecated Syslog Messages	None

The following table lists the new, changed, and deprecated syslog messages for Version 7.0.7(8). For complete syslog message descriptions, see respective chapters.

Table 46: New, Changed, and Deprecated Syslog Messages for Version 7.0.7(8)

New Syslog Messages	419003
Changed Syslog Messages (Documentation)	None
Changed Syslog Messages (Code)	None
Deprecated Syslog Messages	None

About ASA Syslog Messages

This section provides information about the ASA syslog messages; lists the message classes and their ID ranges.

- The valid range for message IDs is between 100000 and 999999.

Note When a number is skipped in a sequence, the message is no longer in the ASA code.

- For information about how to configure logging, SNMP, and NetFlow, see the *CLI configuration guide*.
- Most of the ISAKMP messages have a common set of prepended objects to help identify the tunnel. These objects precede the descriptive text of a message when available. If the object is not known at the time the message is generated, the specific **heading = value** combination will not be displayed.

  The objects will be prepended as follows:

  Group = **groupname**, Username = **user**, IP = **IP_address**,...

  Where the Group identifies the tunnel group, the Username is the username from the local database or AAA server, and the IP address is the public IP address of the remote access client or L2L peer.

- Typically, a traffic session displays the connection numbers/IDs for each flow in the syslog messages. However, for some of the connections, though the connection ID is incremented, the syslog messages does not display the ID. Thus, you may find missing sequence numbers in the connection IDs of the subsequent messages.

  For example, during a TCP traffic flow, the syslog messages display the connection IDs as 201, 202, 203, and 204 for each flow. When an ICMP flow begins, though the connection ID is internally incremented to 205 and 206, the syslog messages does not display the numbers. When another TCP flow

follows, its connection numbers are now displayed as 207, 208, and so on, giving an impression of skipping sequence.

The following table lists the message classes and the ranges of message IDs that are associated with each class.

Table 47: Syslog Message Classes and Associated Message ID Numbers

Logging Class	Definition	Syslog Message ID Numbers
auth	User Authentication	109, 113
—	Access Lists	106
—	Application Firewall	415
bridge	Transparent Firewall	110, 220
ca	PKI Certification Authority	717
citrix	Citrix Client	723
—	Clustering	747, 748, 785
—	Card Management	323
config	Command Interface	111, 112, 208, 308
csd	Secure Desktop	724
cts	Cisco TrustSec	776
dap	Dynamic Access Policies	734
eap, eapoudp	EAP or EAPoUDP for Network Admission Control	333, 334
eigrp	EIGRP Routing	336
email	E-mail Proxy	719
—	Environment Monitoring	735
ha	Failover	101, 102, 103, 104, 105, 210, 311, 709
—	Identity-based Firewall	746
ids	Intrusion Detection System	400, 733
—	IKEv2 Toolkit	750, 751, 752
ip	IP Stack	209, 215, 313, 317, 408
ipaa	IP Address Assignment	735
ips	Intrusion Protection System	400, 401, 420
—	IPv6	325

Logging Class	Definition	Syslog Message ID Numbers
—	Block lists, Allow lists, and Graylists	338
—	Licensing	444
mdm-proxy	MDM Proxy	802
nac	Network Admission Control	731, 732
nacpolicy	NAC Policy	731
nacsettings	NAC Settings to apply NAC Policy	732
—	Network Access Point	713
np	Network Processor	319
—	NP SSL	725
ospf	OSPF Routing	318, 409, 503, 613
—	Password Encryption	742
—	Phone Proxy	337
rip	RIP Routing	107, 312
rm	Resource Manager	321
—	Smart Call Home	120
session	User Session	106, 108, 201, 202, 204, 302, 303, 304, 305, 314, 405, 406, 407, 500, 502, 607, 608, 609, 616, 620, 703, 710
snmp	SNMP	212
—	ScanSafe	775
ssl	SSL Stack	725
svc	SSL VPN Client	722
sys	System	199, 211, 214, 216, 306, 307, 315, 414, 604, 605, 606, 610, 612, 614, 615,701, 711, 741
—	Threat Detection	733
tre	Transactional Rule Engine	780
—	UC-IME	339
tag-switching	Service Tag Switching	779

Logging Class	Definition	Syslog Message ID Numbers
vm	VLAN Mapping	730
vpdn	PPTP and L2TP Sessions	213, 403, 603
vpn	IKE and IPsec	316, 320, 402, 404, 501, 602, 702, 713, 714, 715
vpnc	VPN Client	611
vpnfo	VPN Failover	720
vpnlb	VPN Load Balancing	718
—	VXLAN	778
webfo	WebVPN Failover	721
webvpn	WebVPN and AnyConnect Client	716
—	NAT and PAT	305

Syslog Message Format

Syslog messages are structured as follows:

`[<PRI>]: [Timestamp] [Device-ID] : %ASA-Class-Level-Message_number: Message_text`

Field descriptions are as follows:

<PRI>	Priority value. When the logging EMBLEM is enabled, this value is displayed in the syslog message. Logging EMBLEM is compatible with UDP and not with TCP.
Timestamp	Date and time of the event is displayed. When logging of timestamps is enabled, and if the timestamp is configured to be in the RFC 5424 format, all timestamp in syslog messages display the time in UTC, as indicated by the RFC 5424 standard.
Device-ID	The device identifier string that was configured while enabling the logging device-id option through the user interface. If enabled, the device ID does not appear in EMBLEM-formatted syslog messages.
Class	The syslog message class provides a method of categorizing syslog messages by type, equivalent to a feature or function of the device. For example, the vpnc class denotes VPN Client. Message class appears only in EMBLEM-formatted syslog messages.
ASA	The syslog message facility code for messages that are generated by the ASA. This value is always `ASA`.
Level	0 through 7. The level reflects the severity of the condition described by the syslog message—the lower the number, the more severe the condition.
Message_number	A unique six-digit number that identifies the syslog message.

Message_text	A text string that describes the condition. This portion of the syslog message sometimes includes IP addresses, port numbers, or usernames.

All syslog messages that are generated by the device are documented in this guide.

The EMBLEM syslog format is a Cisco-specific convention that is built upon the RFC 3164 and RFC 5424 standards. Hence, when EMBLEM is enabled, the syslog message prints colon (:) after <PRI> field.

Example of a syslog message with logging EMBLEM, logging timestamp rfc5424, and device-id enabled. Note the colon (:) after the <PRI> field (*<166>*) and the message class before *Level*.

```
<166>:2018-06-27T12:17:46Z: %ASA-bridge-6-110002: Failed to locate egress interface for
protocol from src interface :src IP/src port to dest IP/dest port
```

Example of a syslog message without logging EMBLEM, but with logging timestamp rfc5424 and device-id enabled. No colon (:) is present before the timestamp, and the configured device-id (example, *asa1*) is included after the timestamp.

```
2018-06-27T12:17:46Z asa1: %ASA-6-110002: Failed to locate egress interface for protocol
from src interface :src IP/src port to dest IP/dest port
```

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