System and Message Logging

- System and Message Logging, on page 1
- Using the Debug Facility, on page 10

System and Message Logging

System logging allows controllers to log their system events to up to three remote syslog servers. The controller sends a copy of each syslog message as it is logged to each syslog server configured on the controller. Being able to send the syslog messages to multiple servers ensures that the messages are not lost due to the temporary unavailability of one syslog server. Message logging allows system messages to be logged to the controller buffer or console.

For more information about system messages and trap logs, see http://www.cisco.com/c/en/us/support/wireless/wireless-lan-controller-software/products-system-message-guides-list.html.
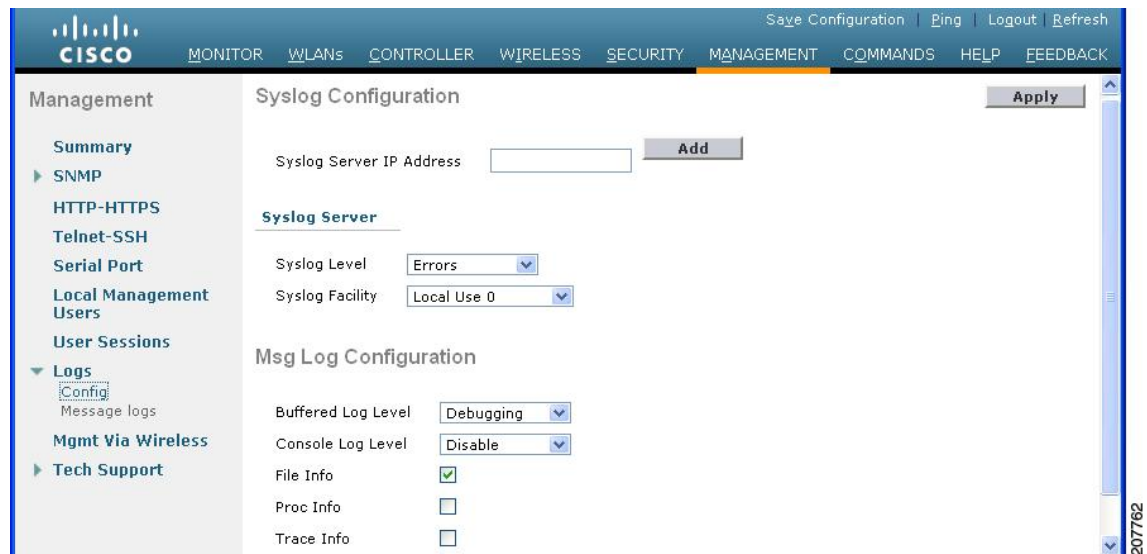
This section contains the following subsections:

Configuring System and Message Logging (GUI)

Procedure

Step 1   Choose **Management > Logs > Config**. The Syslog Configuration page appears.

Figure 1: Syslog Configuration Page

Step 2   In the **Syslog Server IP Address (IPv4/IPv6)** text box, enter the IPv4/IPv6 address of the server to which to send the syslog messages and click **Add**. You can add up to three syslog servers to the controller. The list of syslog servers that have already been added to the controller appears below this text box.

Note   If you want to remove a syslog server from the controller, click **Remove** to the right of the desired server.

Step 3   To set the severity level for filtering syslog messages to the syslog servers, choose one of the following options from the **Syslog Level** drop-down list:

- **Emergencies** = Severity level 0
- **Alerts** = Severity level 1 (default value)
- **Critical** = Severity level 2
- **Errors** = Severity level 3
- **Warnings** = Severity level 4
- **Notifications** = Severity level 5
- **Informational** = Severity level 6
- **Debugging** = Severity level 7

If you set a syslog level, only those messages whose severity is equal to or less than that level are sent to the syslog servers. For example, if you set the syslog level to Warnings (severity level 4), only those messages whose severity is between 0 and 4 are sent to the syslog servers.

Note   If you have enabled logging of debug messages to the logging buffer, some messages from application debug could be listed in message log with severity that is more than the level set. For example, if you execute the **debug client** *mac-addr* command, the client event log could be listed in message log even though the message severity level is set to **Errors**.

Step 4 To set the facility for outgoing syslog messages to the syslog servers, choose one of the following options from the **Syslog Facility** drop-down list:

- **Kernel** = Facility level 0

- **User Process** = Facility level 1

- **Mail** = Facility level 2

- **System Daemons** = Facility level 3

- **Authorization** = Facility level 4

- **Syslog** = Facility level 5 (default value)

- **Line Printer** = Facility level 6

- **USENET** = Facility level 7
- **Unix-to-Unix Copy** = Facility level 8
- **Cron** = Facility level 9
- **FTP Daemon** = Facility level 11
- **System Use 1** = Facility level 12
- **System Use 2** = Facility level 13
- **System Use 3** = Facility level 14
- **System Use 4** = Facility level 15
- **Local Use 0** = Facility level 16
- **Local Use 2** = Facility level 17
- **Local Use 3** = Facility level 18
- **Local Use 4** = Facility level 19
- **Local Use 5** = Facility level 20
- **Local Use 5** = Facility level 21
- **Local Use 5** = Facility level 22
- **Local Use 5** = Facility level 23

Step 5 Click **Apply**.

Step 6 To set the severity level for logging messages to the controller buffer and console, choose one of the following options from both the **Buffered Log Level** and **Console Log Level** drop-down lists:

- **Emergencies** = Severity level 0
- **Alerts** = Severity level 1
- **Critical** = Severity level 2
- **Errors** = Severity level 3 (default value)
- **Warnings** = Severity level 4
- **Notifications** = Severity level 5
- **Informational** = Severity level 6
- **Debugging** = Severity level 7
- **Disable**— This option is available only for Console Log level. Select this option to disable console logging.

If you set a logging level, only those messages whose severity is equal to or less than that level are logged by the controller. For example, if you set the logging level to Warnings (severity level 4), only those messages whose severity is between 0 and 4 are logged.

Step 7 Select the **File Info** check box if you want the message logs to include information about the source file. The default value is enabled.

Step 8 Select the **Trace Info** check box if you want the message logs to include traceback information. The default is disabled.

Step 9 Click **Apply**.

Step 10 Click **Save Configuration**.

Viewing Message Logs (GUI)

To view message logs using the controller GUI, choose **Management > Logs > Message Logs**. The Message Logs page appears.

Note To clear the current message logs from the controller, click **Clear**.

Configuring System and Message Logging (CLI)

Procedure

Step 1 Enable system logging and set the IP address of the syslog server to which to send the syslog messages by entering this command:

config logging syslog host *server_IP_address*

You can add up to three syslog servers to the controller.

Note To remove a syslog server from the controller by entering this command: **config logging syslog host** *server_IP_address* **delete**

Step 2 Set the severity level for filtering syslog messages to the syslog server by entering this command:

config logging syslog level *severity_level*

where *severity_level* is one of the following:

- emergencies = Severity level 0
- alerts = Severity level 1
- critical = Severity level 2
- errors = Severity level 3
- warnings = Severity level 4
- notifications = Severity level 5
- informational = Severity level 6
- debugging = Severity level 7

Note As an alternative, you can enter a number from 0 through 7 for the *severity_level* parameter.

Note   If you set a syslog level, only those messages whose severity is equal to or less than that level are sent to the syslog server. For example, if you set the syslog level to Warnings (severity level 4), only those messages whose severity is between 0 and 4 are sent to the syslog server.

Step 3   Set the severity level for filtering syslog messages for a particular access point or for all access points by entering this command:

config ap logging syslog level *severity_level* {*Cisco_AP* | **all**}

where *severity_level* is one of the following:

- emergencies = Severity level 0
- alerts = Severity level 1
- critical = Severity level 2
- errors = Severity level 3
- warnings = Severity level 4
- notifications = Severity level 5
- informational = Severity level 6
- debugging = Severity level 7

Note   If you set a syslog level, only those messages whose severity is equal to or less than that level are sent to the access point. For example, if you set the syslog level to Warnings (severity level 4), only those messages whose severity is between 0 and 4 are sent to the access point.

Step 4   Set the facility for outgoing syslog messages to the syslog server by entering this command:

config logging syslog facility *facility-code*

where *facility-code* is one of the following:

- ap = AP related traps.

- authorization = Authorization system. Facility level = 4.

- auth-private = Authorization system (private). Facility level = 10.
- cron = Cron/at facility. Facility level = 9.
- daemon = System daemons. Facility level = 3.
- ftp = FTP daemon. Facility level = 11.
- kern = Kernel. Facility level = 0.
- local0 = Local use. Facility level = 16.
- local1 = Local use. Facility level = 17.
- local2 = Local use. Facility level = 18.
- local3 = Local use. Facility level = 19.
- local4 = Local use. Facility level = 20.
- local5 = Local use. Facility level = 21.
- local6 = Local use. Facility level = 22.
- local7 = Local use. Facility level = 23.
- lpr = Line printer system. Facility level = 6.
- mail = Mail system. Facility level = 2.
- news = USENET news. Facility level = 7.
- sys12 = System use. Facility level = 12.
- sys13 = System use. Facility level = 13.

- sys14 = System use. Facility level = 14.
- sys15 = System use. Facility level = 15.
- syslog = The syslog itself. Facility level = 5.
- user = User process. Facility level = 1.
- uucp = Unix-to-Unix copy system. Facility level = 8.

Step 5   Configure the syslog facility for AP using the following command:

config logging syslog facility *AP*

where *AP* can be:

- associate= Associated sys log for AP

- disassociate=Disassociate sys log for AP

Step 6   Configure the syslog facility for an AP or all APs by entering this command:

config ap logging syslog facility *facility-level* {*Cisco_AP* | **all**}

where *facility-level* is one of the following:

- auth = Authorization system
- cron = Cron/at facility
- daemon = System daemons
- kern = Kernel
- local0 = Local use
- local1 = Local use
- local2 = Local use
- local3 = Local use
- local4 = Local use
- local5 = Local use
- local6 = Local use
- local7 = Local use
- lpr = Line printer system
- mail = Mail system
- news = USENET news
- sys10 = System use
- sys11 = System use
- sys12 = System use
- sys13 = System use
- sys14 = System use
- sys9 = System use
- syslog = Syslog itself
- user = User process
- uucp = Unix-to-Unix copy system

Step 7   Configure the syslog facility for client by entering this command:

config logging syslog facility client {**assocfail** | **associate** | **authentication** | **authfail** | **deauthenticate** | **disassociate** | **excluded**} {**enable** | **disable**}

where:

- **assocfail**: 802.11 association fail syslog for clients.

- **authentication**: Authentication success syslog for clients

- **authfail**: 802.11 authentication fail syslog for clients

- **deauthenticate**: 802.11 deauthentication syslog for clients

- **disassociate**: 802.11 disassociation syslog for clients

- **excluded**: Excluded syslog for clients

Step 8 Configure transmission of syslog messages over IPSec by entering this command:

config logging syslog ipsec {**enable** | **disable**}

Step 9 Configure transmission of syslog messages over transport layer security (TLS) by entering this command:

config logging syslog tls {**enable** | **disable**}

Enabling syslog over TLS on the controller enables the feature for all syslog hosts defined in the controller. You can define up to three syslog hosts per controller. The controller transmits messages concurrently to all the configured syslog hosts.

Check if the controller has an active TLS connection to the syslog server by entering the **show logging** command. The following is a sample output:

```
- syslog over tls............................... Enabled
  - Host 0...................................... 209.165.200.224
    - TLS auth status........................... connected
    - packets sent.............................. 3879
    - packets dropped........................... 2
  - Host 1......................................
  - Host 2......................................
```

Caution Issue: Some messages are not transmitted to the syslog server even though it is reachable.

Analysis: This issue occurs because syslog over TLS is enabled in the controller, multiple syslog hosts are defined in the controller, the number of syslog messages generated are high, and one of the syslog hosts is not reachable over TLS.

Step 10 Set the severity level for logging messages to the controller buffer and console by entering these commands:

- **config logging buffered** *severity_level*

- **config logging console** *severity_level*

where *severity_level* is one of the following:

- emergencies = Severity level 0

- alerts = Severity level 1

- critical = Severity level 2

- errors = Severity level 3

- warnings = Severity level 4

- notifications = Severity level 5

- informational = Severity level 6

- debugging = Severity level 7

Note As an alternative, you can enter a number from 0 through 7 for the *severity_level* parameter.

Note If you set a logging level, only those messages whose severity is equal to or less than that level are logged by the controller. For example, if you set the logging level to Warnings (severity level 4), only those messages whose severity is between 0 and 4 are logged.

Step 11 Save debug messages to the controller buffer, the controller console, or a syslog server by entering these commands:

- **config logging debug buffered {enable | disable}**

- **config logging debug console {enable | disable}**

- **config logging debug syslog {enable | disable}**

By default, the console command is enabled, and the buffered and syslog commands are disabled.

Step 12 To cause the controller to include information about the source file in the message logs or to prevent the controller from displaying this information by entering this command:

config logging fileinfo {enable | disable}

The default value is enabled.

Step 13 Configure the controller to include process information in the message logs or to prevent the controller from displaying this information by entering this command:

config logging procinfo {**enable** | **disable**}

The default value is disabled.

Step 14 Configure the controller to include traceback information in the message logs or to prevent the controller from displaying this information by entering this command:

config logging traceinfo {enable | disable}

The default value is disabled.

Step 15 Enable or disable timestamps in log messages and debug messages by entering these commands:

- **config service timestamps log {datetime | disable}**

- **config service timestamps debug {datetime | disable}**

where

- **datetime** = Messages are timestamped with the standard date and time. This is the default value.

- **disable** = Messages are not timestamped.

Step 16 Save your changes by entering this command:

save config

Viewing System and Message Logs (CLI)

To see the logging parameters and buffer contents, enter this command:

show logging

Viewing Access Point Event Logs

Information About Access Point Event Logs

Access points log all system messages (with a severity level greater than or equal to notifications) to the access point event log. The event log can contain up to 1024 lines of messages, with up to 128 characters per line. When the event log becomes filled, the oldest message is removed to accommodate a new event message. The event log is saved in a file on the access point flash, which ensures that it is saved through a reboot cycle. To minimize the number of writes to the access point flash, the contents of the event log are written to the event log file during normal reload and crash scenarios only.

Viewing Access Point Event Logs (CLI)

Use these CLI commands to view or clear the access point event log from the controller:

- To see the contents of the event log file for an access point that is joined to the controller, enter this command:

  show ap eventlog *Cisco_AP*

  Information similar to the following appears:

```
AP event log download has been initiated
Waiting for download to complete

AP event log download completed.
 ====================== AP Event log Contents ======================
*Sep 22 11:44:00.573: %CAPWAP-5-CHANGED: CAPWAP changed state to IMAGE
*Sep 22 11:44:01.514: %LINEPROTO-5-UPDOWN: Line protocol on Interface Dot11Radio0,
changed state to down
*Sep 22 11:44:01.519: %LINEPROTO-5-UPDOWN: Line protocol on Interface Dot11Radio1,
changed state to down
*Sep 22 11:44:53.539: *** Access point reloading. Reason: NEW IMAGE DOWNLOAD ***
*Mar 1 00:00:39.078: %CAPWAP-3-ERRORLOG: Did not get log server settings from DHCP.
*Mar 1 00:00:42.142: %CDP_PD-4-POWER_OK: Full power - NEGOTIATED inline power source
*Mar 1 00:00:42.151: %LINK-3-UPDOWN: Interface Dot11Radio1, changed state to up
*Mar 1 00:00:42.158: %LINK-3-UPDOWN: Interface Dot11Radio0, changed state to up
*Mar 1 00:00:43.143: %LINEPROTO-5-UPDOWN: Line protocol on Interface Dot11Radio1, changed
 state to up
*Mar 1 00:00:43.151: %LINEPROTO-5-UPDOWN: Line protocol on Interface Dot11Radio0, changed
 state to up
*Mar 1 00:00:48.078: %CAPWAP-3-ERRORLOG: Could Not resolve CISCO-CAPWAP-CONTROLLER
*Mar 1 00:01:42.144: %CDP_PD-4-POWER_OK: Full power - NEGOTIATED inline power source
*Mar 1 00:01:48.121: %CAPWAP-3-CLIENTERRORLOG: Set Transport Address: no more AP manager
 IP addresses remain
*Mar 1 00:01:48.122: %CAPWAP-5-CHANGED: CAPWAP changed state to JOIN
*Mar 1 00:01:48.122: %LINK-5-CHANGED: Interface Dot11Radio0, changed state to
administratively down
*Mar 1 00:01:48.122: %LINK-5-CHANGED: Interface Dot11Radio1, changed state to
administratively down
```

• To delete the existing event log and create an empty event log file for a specific access point or for all access points joined to the controller, enter this command:

clear ap-eventlog {**specific** *Cisco_AP* | **all**}

Using the Debug Facility

The debug facility enables you to display all packets going to and from the controller CPU. You can enable it for received packets, transmitted packets, or both. By default, all packets received by the debug facility are displayed. However, you can define access control lists (ACLs) to filter packets before they are displayed. Packets not passing the ACLs are discarded without being displayed.

Each ACL includes an action (permit, deny, or disable) and one or more fields that can be used to match the packet. The debug facility provides ACLs that operate at the following levels and on the following values:

• Driver ACL

    • NPU encapsulation type

    • Port

• Ethernet header ACL

    • Destination address

    • Source address

    • Ethernet type

    • VLAN ID

• IP header ACL

    • Source address

    • Destination address

    • Protocol

    • Source port (if applicable)

    • Destination port (if applicable)

• EoIP payload Ethernet header ACL

    • Destination address

    • Source address

    • Ethernet type

    • VLAN ID

• EoIP payload IP header ACL

    • Source address

- Destination address

- Protocol

- Source port (if applicable)

- Destination port (if applicable)

- CAPWAP payload 802.11 header ACL

  - Destination address

  - Source address

  - BSSID

  - SNAP header type

- CAPWAP payload IP header ACL

  - Source address

  - Destination address

  - Protocol

  - Source port (if applicable)

  - Destination port (if applicable)

At each level, you can define multiple ACLs. The first ACL that matches the packet is the one that is selected.

This section contains the following subsection:

Configuring the Debug Facility (CLI)

Procedure

Step 1 To enable the debug facility, enter this command:

- **debug packet logging enable** {**rx** | **tx** | **all**} *packet_count display_size*

  where

  - **rx** displays all received packets, **tx** displays all transmitted packets, and **all** displays both transmitted and received packets.

  - *packet_count* is the maximum number of packets to log. You can enter a value between 1 and 65535 packets, and the default value is 25 packets.

  - *display_size* is the number of bytes to display when printing a packet. By default, the entire packet is displayed.

    Note To disable the debug facility, enter this command: **debug packet logging disable**.

- **debug packet logging acl driver** *rule_index action npu_encap port*

where

- *rule_index* is a value between 1 and 6 (inclusive).

- *action* is permit, deny, or disable.

- *npu_encap* specifies the NPU encapsulation type, which determines how packets are filtered. The possible values include dhcp, dot11-mgmt, dot11-probe, dot1x, eoip-ping, iapp, ip, lwapp, multicast, orphan-from-sta, orphan-to-sta, rbcp, wired-guest, or any.

- *port* is the physical port for packet transmission or reception.

- Use these commands to configure packet-logging ACLs:

  debug packet logging acl eth *rule_index action dst src type vlan*

  where

  - *rule_index* is a value between 1 and 6 (inclusive).

  - *action* is permit, deny, or disable.

  - *dst* is the destination MAC address.

  - *src* is the source MAC address.

  - *type* is the two-byte type code (such as 0x800 for IP, 0x806 for ARP). This parameter also accepts a few common string values such as "ip" (for 0x800) or "arp" (for 0x806).

  - *vlan* is the two-byte VLAN ID.

- **debug packet logging acl ip** *rule_index action src dst proto src_port dst_port*

  where

  - *proto* is a numeric or any string recognized by getprotobyname(). The controller supports the following strings: ip, icmp, igmp, ggp, ipencap, st, tcp, egp, pup, udp, hmp, xns-idp, rdp, iso-tp4, xtp, ddp, idpr-cmtp, rspf, vmtp, ospf, ipip, and encap.

  - *src_port* is the UDP/TCP two-byte source port (for example, telnet, 23) or "any." The controller accepts a numeric or any string recognized by getservbyname(). The controller supports the following strings: tcpmux, echo, discard, systat, daytime, netstat, qotd, msp, chargen, ftp-data, ftp, fsp, ssh, telnet, smtp, time, rlp, nameserver, whois, re-mail-ck, domain, mtp, bootps, bootpc, tftp, gopher, rje, finger, www, link, kerberos, supdup, hostnames, iso-tsap, csnet-ns, 3com-tsmux, rtelnet, pop-2, pop-3, sunrpc, auth, sftp, uucp-path, nntp, ntp, netbios-ns, netbios-dgm, netbios-ssn, imap2, snmp, snmp-trap, cmip-man, cmip-agent, xdmcp, nextstep, bgp, prospero, irc, smux, at-rtmp, at-nbp, at-echo, at-zis, qmtp, z3950, ipx, imap3, ulistserv, https, snpp, saft, npmp-local, npmp-gui, and hmmp-ind.

  - *dst_port* is the UDP/TCP two-byte destination port (for example, telnet, 23) or "any." The controller accepts a numeric or any string recognized by getservbyname(). The controller supports the same strings as those for the *src_port*.

- **debug packet logging acl eoip-eth** *rule_index action dst src type vlan*

- **debug packet logging acl eoip-ip** *rule_index action src dst proto src_port dst_port*

- **debug packet logging acl lwapp-dot11** *rule_index action dst src bssid snap_type*

where

- *bssid* is the Basic Service Set Identifier.

- *snap_type* is the Ethernet type.

- **debug packet logging acl lwapp-ip** *rule_index action src dst proto src_port dst_port*

Note To remove all configured ACLs, enter this command: **debug packet logging acl clear-all**.

Step 2 To configure the format of the debug output, enter this command:

debug packet logging format {**hex2pcap** | **text2pcap**}

The debug facility supports two output formats: hex2pcap and text2pcap. The standard format used by IOS supports the use of hex2pcap and can be decoded using an HTML front end. The text2pcap option is provided as an alternative so that a sequence of packets can be decoded from the same console log file.

Figure 2: Sample Hex2pcap Output

This figure shows an example of hex2pcap output.

```
tx len=118, encap=n/a, port=1
[0000]: 000C316E 7F80000B 854008c0 08004500  ..1n.....@.@..E.
[0010]: 00680000 40004001 5FBE0164 6C0E0164  .h..@.@._>.dl..d
[0020]: 6C010800 08D9E500 00000000 00000000  l....Ye.........
[0030]: 00000000 00000000 00000000 00001C1D  ................
[0040]: 1E1F2021 22232425 26272829 2A2B2C2D  ...!"#$%&'()*+,-
[0050]: 2E2F3031 32333435 36373839 3A3B3C3D  ./0123456789:;<=
[0060]: 3E3F4041 42434445 46474849 4A4B4C4D  >?@ABCDEFGHIJKLM
[0070]: 4E4F5051 5253                         NOPQRS
rx len=118, encap=ip, port=1
[0000]: 000B8540 08C0000C 316E7F80 08004500  ...@.@..1n....E.
[0010]: 00680000 4000FF01 A0BD0164 6C010164  .h..@....=.dl..d
[0020]: 6C0E0000 10D9E500 00000000 00000000  l....Ye.........
[0030]: 00000000 00000000 00000000 00001C1D  ................
[0040]: 1E1F2021 22232425 26272829 2A2B2C2D  ...!"#$%&'()*+,-
[0050]: 2E2F3031 32333435 36373839 3A3B3C3D  ./0123456789:;<=
[0060]: 3E3F4041 42434445 46474849 4A4B4C4D  >?@ABCDEFGHIJKLM
[0070]: 4E4F5051 5253                         NOPQRS
```

Figure 3: Sample Text2pcap Output

This figure shows an example of text2pcap output.

```
tx len=118, encap=n/a, port=1
0000 00 0C 31 6E 7F 80 00 0B 85 40 08 c0 08 00 45 00  ..1n.....@.@..E.
0010 00 68 00 00 40 00 40 01 5F BE 01 64 6C 0E 01 64  .h..@.@._>.dl..d
0020 6C 01 08 00 08 D9 E5 00 00 00 00 00 00 00 00 00  l....Ye.........
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 1C 1D  ................
0040 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D  ...!"#$%&'()*+,-
0050 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D  ./0123456789:;<=
0060 3E 3F 40 41 42 43 44 45 46 47 48 49 4A 4B 4C 4D  >?@ABCDEFGHIJKLM
0070 4E 4F 50 51 52 53                                NOPQRS
rx len=118, encap=ip, port=1
0000 00 0B 85 40 08 C0 00 0C 31 6E 7F 80 08 00 45 00  ...@.@..1n....E.
0010 00 68 00 00 40 00 FF 01 A0 BD 01 64 6C 01 01 64  .h..@....=.dl..d
0020 6C 0E 00 00 10 D9 E5 00 00 00 00 00 00 00 00 00  l....Ye.........
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 1C 1D  ................
0040 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D  ...!"#$%&'()*+,-
0050 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D  ./0123456789:;<=
0060 3E 3F 40 41 42 43 44 45 46 47 48 49 4A 4B 4C 4D  >?@ABCDEFGHIJKLM
0070 4E 4F 50 51 52 53                                NOPQRS
```

Step 3   To determine why packets might not be displayed, enter this command:

debug packet error {**enable** | **disable**}

Step 4   To display the status of packet debugging, enter this command:

show debug packet

Information similar to the following appears:

```
Status.......................................... disabled
Number of packets to display..................... 25
Bytes/packet to display.......................... 0
Packet display format............................ text2pcap

Driver ACL:
      [1]: disabled
      [2]: disabled
      [3]: disabled
      [4]: disabled
      [5]: disabled
      [6]: disabled
  Ethernet ACL:
      [1]: disabled
      [2]: disabled
      [3]: disabled
      [4]: disabled
      [5]: disabled
      [6]: disabled
  IP ACL:
      [1]: disabled
      [2]: disabled
      [3]: disabled
      [4]: disabled
      [5]: disabled
      [6]: disabled
  EoIP-Ethernet ACL:
      [1]: disabled
      [2]: disabled
      [3]: disabled
      [4]: disabled
      [5]: disabled
```

```
             [6]: disabled
         EoIP-IP ACL:
             [1]: disabled
             [2]: disabled
             [3]: disabled
             [4]: disabled
             [5]: disabled
             [6]: disabled
         LWAPP-Dot11 ACL:
             [1]: disabled
             [2]: disabled
             [3]: disabled
             [4]: disabled
             [5]: disabled
             [6]: disabled
         LWAPP-IP ACL:
             [1]: disabled
             [2]: disabled
             [3]: disabled
             [4]: disabled
             [5]: disabled
             [6]: disabled?
```