

Aysha Bilal: 100916114
Sidrah Hashmi: 100915053

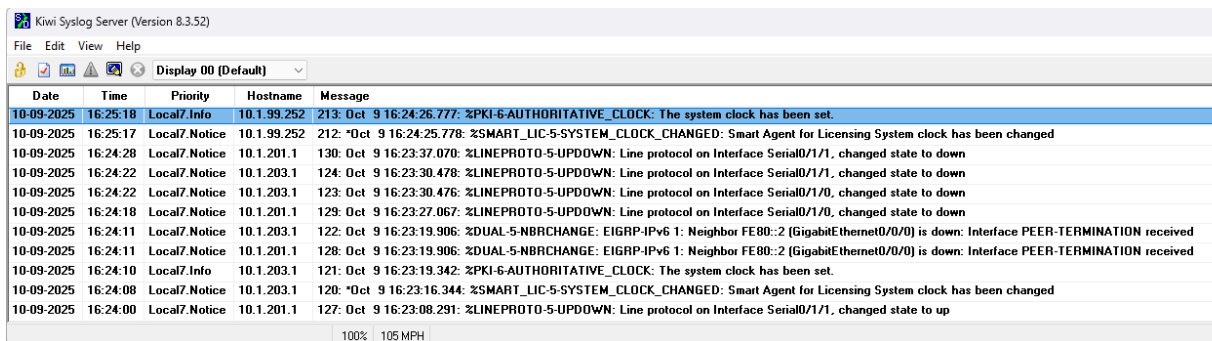
Troubleshooting method: spot check method

- Checked the interface ip addresses of ALS1 since that device could not send any messages and found incorrect ip addresses for all the VLANS

Steps taken to find issue:

→ sent a syslog command to check if any messages are going through and nothing shows up on the kiwi syslog.

```
ALS1#send log 6 hello!  
ALS1#  
*Oct 9 16:26:14.192: %SYS-6-USERLOG_INFO: Message from tty0(user id: ): hello!  
ALS1#
```



| Date | Time | Priority | Hostname | Message |
|------------|----------|---------------|-------------|--|
| 10-09-2025 | 16:25:18 | Local7.Info | 10.1.99.252 | 213: Oct 9 16:24:26.777: %PKI-6-AUTHORITATIVE_CLOCK: The system clock has been set. |
| 10-09-2025 | 16:25:17 | Local7.Notice | 10.1.99.252 | 212: *Oct 9 16:24:25.778: %SMART_LIC-5-SYSTEM_CLOCK_CHANGED: Smart Agent for Licensing System clock has been changed |
| 10-09-2025 | 16:24:28 | Local7.Notice | 10.1.201.1 | 130: Oct 9 16:23:37.070: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to down |
| 10-09-2025 | 16:24:22 | Local7.Notice | 10.1.203.1 | 124: Oct 9 16:23:30.478: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to down |
| 10-09-2025 | 16:24:22 | Local7.Notice | 10.1.203.1 | 123: Oct 9 16:23:30.476: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to down |
| 10-09-2025 | 16:24:18 | Local7.Notice | 10.1.201.1 | 129: Oct 9 16:23:27.067: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to down |
| 10-09-2025 | 16:24:11 | Local7.Notice | 10.1.203.1 | 122: Oct 9 16:23:19.906: %DUAL-5-NBRCHANGE: EIGRP-IPv6 1: Neighbor FE80::2 (GigabitEthernet0/0/0) is down: Interface PEER-TERMINATION received |
| 10-09-2025 | 16:24:11 | Local7.Notice | 10.1.201.1 | 128: Oct 9 16:23:19.906: %DUAL-5-NBRCHANGE: EIGRP-IPv6 1: Neighbor FE80::2 (GigabitEthernet0/0/0) is down: Interface PEER-TERMINATION received |
| 10-09-2025 | 16:24:10 | Local7.Info | 10.1.203.1 | 121: Oct 9 16:23:19.342: %PKI-6-AUTHORITATIVE_CLOCK: The system clock has been set. |
| 10-09-2025 | 16:24:08 | Local7.Notice | 10.1.203.1 | 120: *Oct 9 16:23:16.344: %SMART_LIC-5-SYSTEM_CLOCK_CHANGED: Smart Agent for Licensing System clock has been changed |
| 10-09-2025 | 16:24:00 | Local7.Notice | 10.1.201.1 | 127: Oct 9 16:23:08.291: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up |

Define the problem:

→No syslog messages are being received on SRV1

Description of the issue:

→ the ip addresses are assigned incorrectly

```
ALS1#show ip int bri  
Interface IP-Address OK? Method Status Protocol  
Vlan1 unassigned YES unset administratively down down  
Vlan99 10.10.99.251 YES TFTP up up  
Vlan110 10.10.110.251 YES TFTP up up  
Vlan120 10.10.120.251 YES TFTP up up  
Vlan200 10.10.200.251 YES TFTP up up  
GigabitEthernet0/0 unassigned YES TFTP administratively down down  
GigabitEthernet1/0/1 unassigned YES unset up up
```

Commands entered to resolve the issue:

Commands:

- int vlan 99
- no ip address 10.10.99.251 255.255.255.0
- ip address 10.1.99.251 255.255.255.0
- int vlan 110
- no ip address 10.10.110.251 255.255.255.0

```

→ip address 10.1.110.251 255.255.255.0
→ int vlan 120
→ no ip address 10.10.120.251 255.255.255.0
→ ip address 10.1.120.251 255.255.255.0
→ int vlan 200
→ no ip address 10.10.200.251 255.255.255.0
→ ip address 10.1.200.251 255.255.255.0

```

Now the ip addresses are correct for all the VLANs

```

ALSI#show ip int br
Interface      IP-Address      OK? Method Status      Protocol
Vlan1          unassigned      YES unset  administratively down  down
Vlan99         10.1.99.251     YES manual up          up
Vlan110        10.1.110.251    YES manual up          up
Vlan120        10.1.120.251    YES manual up          up
Vlan200        10.1.200.251    YES manual up          up
GigabitEthernet0/0 unassigned      YES TFTP  administratively down  down
GigabitEthernet1/0/1 unassigned      YES unset  up          up

```

```

ALSI#
Oct  9 16:33:00.731: %SYS-6-USERLOG_INFO: Message from tty0(user id: ): hello!
ALSI#

```

Kiwi Syslog Server (Version 8.3.52)

File Edit View Help

Display 00 (Default)

| Date | Time | Priority | Hostname | Message |
|------------|----------|---------------|-------------|---|
| 10-09-2025 | 16:33:52 | Local7,Info | 10.1.99.251 | 176: Oct 9 16:33:00.731: %SYS-6-USERLOG_INFO: Message from tty0(user id:): hello! |
| 10-09-2025 | 16:33:15 | Local7,Notice | 10.1.99.251 | 175: Oct 9 16:32:23.378: %SYS-5-CONFIG_I: Configured from console by console |
| 10-09-2025 | 16:33:13 | Local7,Notice | 10.1.99.251 | 174: Oct 9 16:32:21.984: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:exit |
| 10-09-2025 | 16:33:12 | Local7,Notice | 10.1.99.251 | 173: Oct 9 16:32:20.673: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:no shutdown |
| 10-09-2025 | 16:33:08 | Local7,Notice | 10.1.99.251 | 172: Oct 9 16:32:16.532: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:ip address 10.1.200.251 255.255.255.0 |
| 10-09-2025 | 16:32:55 | Local7,Notice | 10.1.99.251 | 171: Oct 9 16:32:03.508: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:no ip address 10.10.200.251 255.255.255.0 |
| 10-09-2025 | 16:32:52 | Local7,Info | 10.1.99.251 | 170: Oct 9 16:32:00.608: %PKI-6-AUTHORITATIVE_CLOCK: The system clock has been set. |
| 10-09-2025 | 16:32:51 | Local7,Notice | 10.1.99.251 | 169: *Oct 9 16:31:59.688: %SMART_LIC-5-SYSTEM_CLOCK_CHANGED: Smart Agent for Licensing System clock has been changed |
| 10-09-2025 | 16:32:39 | Local7,Notice | 10.1.99.251 | 168: *Oct 9 16:31:47.954: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:interface Vlan200 |
| 10-09-2025 | 16:32:29 | Local7,Notice | 10.1.99.251 | 167: *Oct 9 16:31:37.510: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:exit |
| 10-09-2025 | 16:32:28 | Local7,Notice | 10.1.99.251 | 166: *Oct 9 16:31:36.406: %PARSER-5-CFGLOG_LOGGEDCMD: User:console logged command:no shutdown |

```

ALSI#ping 10.1.100.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.1.100.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
ALSI#

```