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### 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#
```

Kiwi Syslog Server (Version 8.3.52)  
File Edit View Help  
Display 00 (Default) ▾

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

100% 105 MPH

### Define the problem:

→ No syslog messages are being received on SRV1

### Description of the issue:

→ the ip addresses are assigned incorrectly

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

```

ALS1#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

```

```

ALS1#
Oct  9 16:33:00.731: %SYS-6-USERLOG_INFO: Message from tty0(user id: ): hello!
ALS1#

```

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

100% 105 MPH

```

ALS1#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
ALS1#

```