- BOOTP service question
 - 1. Does the stack support BOOTP service?

We can change the device to the BOOTP mode by CT19.1 Message tool but can't config the IP under BOOTP mode by BOOTP server. (See below figure)

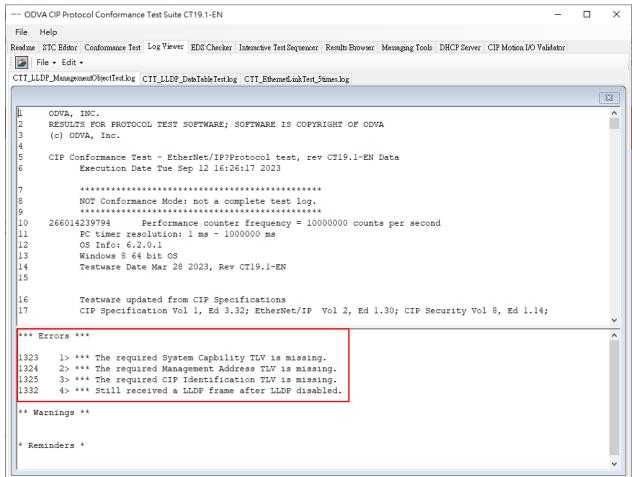
5	🗱 BootP DHCP EtherNet/IP Commissioning Tool – 🗆 🗙								
Fil	e Tools Help								
	Add Relation		Discovery	History			C	lear Histo	ory
	Ethernet Address (MAC)	Туре	(hr:mi	n:sec) i	# IPA	ddress	Host	name	
	3C:E0:64:62:E2:C7	BOOTP	12:04:	09	1				
	<								>
	•		Entered R	elations					-
						-			
	Ethernet Address (MAC)	Туре	IP Address	ŀ	lostnam	e Description	n		
	3C:E0:64:62:E2:C7		192.168.1.1	A 0	\m243x				
	Errors and warnings Relations								
Ľ	Inable to service BOOTP request fi	rom 30:E0:6	4:62:E2:U7.					1 of 2	56
_									

2. If the stack doesn't support BOOTP service, could it be performed as Allen Bradley drives reject mode change and return error state code like below?

••••• OE	OVA CIP Proto	ocol Conformance	e Test Suite (CT19.1-EN						_		×
File	Help											
Readme	STC Editor	Conformance Test	Log Viewer	EDS Checker	Interactive Test Sequencer	Results Browser	Messaging Tools	DHCP Server	CIP Motion I/O Validator			
Host	Interface:			Explic	it Message Type:	Response						
	IP Address: 1 IP Address: 1	92.168.1.201 92.168.1.12			JCMM TCP Connected UDP	Request Serv Reply Servic Unsuccessful	ice: 0x10 e: 0x90 General response with status	Status: 0x10 s code: 0x10			^	
Requ	iest											
Quic	k Commands:	Set Configura	ation Control to	BOOTP mode	~ Run Quick Command							
	Class: Services:	245			~							
	Instance:	1			~							
	Attributes: MemberID:	3		nnection Point	~							
	Request Data:											
	01 00 00 00											
											Ŷ	
			Repeat:	1	Send Request					Clear Respo	onse	

- CT19.1 Conformance Test: 265-LLDP Management Object Test problems
 - 1. We got 3 new errors about TLV and 1 error about unexpected LLDP frame received.

Are they caused by firmware problems or our wrong test configuration or setting?



CT19.1 Conformance Test: 266-LLDP Data Table question

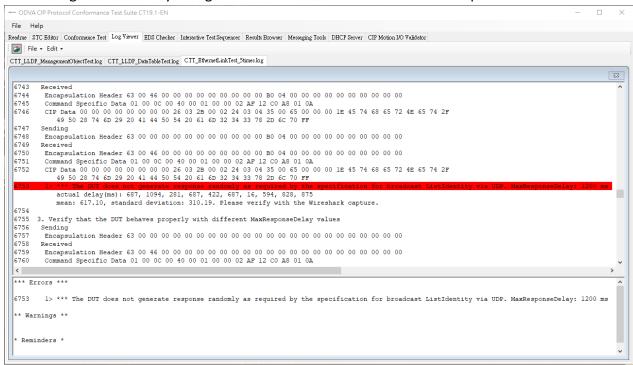
1. We got 1 new warning about the max. instance attribute didn't be changed after receiving a LLDP frame from a new interface.

Is it a known issue of firmware version 9.0.0.3?

···· ODV	A CIP Protocol Conformance Test Suite CT19.1-EN -		\times
File H	Help		
Readme	STC Editor Conformance Test Log Viewer EDS Checker Interactive Test Sequencer Results Browser Messaging Tools DHCP Server CIP Motion I/O Validator		
: 🔁 Fi	ie - Edit -		
CTT LLI	DP ManazementObjectTestLog CTT_LLDP_DataTableTestLog CTT_EthemetLinkTest SizmesLog		
			8
			23
8058	1> ** Warning: The Max Instance attribute did not changed after receiving a LLDP frame from a new interface. The DUT reuses previous instance nu Sending	Mber?	^
8060	Encapsulation Header 70 00 20 00 01 00 00 00 00 00 00 02 A5 28 00 00 00 00 00 00 00 00 00		
8061	Command Specific Data 00 00 00 00 00 00 00 01 00 04 00 3F 22 30 90 Bl 00 0C 00 F3 5D		
8062	CIP Data 0E 04 21 00 0A 01 24 01 30 02		
8063 8064	Received Encapsulation Header 70 00 20 00 01 00 00 00 00 00 00 D2 A5 28 00 00 00 00 00 00 00 00 00		
8065	Incapsulation measure 10 00 20 00 01 00 00 00 00 00 00 02 20 00 00 00 00 00		
8066	CIP Data SE 00 00 00 88 88 88 88 89 99		
8067	Sending		
8068 8069	Encapsulation Header 70 00 20 00 01 00 00 00 00 00 00 00 D3 A5 28 00 00 00 00 00 00 00 00 00 00		
8069	Command Specific Data 00 00 00 00 00 00 00 00 00 30 00 37 22 30 90 Bl 00 0C 00 P4 5D CIP Data 0E 04 21 00 0A 01 24 01 30 03		
8071	Received		
8072	Encapsulation Header 70 00 26 00 01 00 00 00 00 00 00 00 D3 A5 28 00 00 00 00 00 00 00 00 00 00		
8073	Command Specific Data 00 00 00 00 00 00 02 00 Al 00 04 00 00 00 00 00 Bl 00 12 00 F4 5D		
8074	CIP Data 8E 00 00 00 84 F44 56 41 20 50 6F 72 74 20 39		
8075	Sending Encapsulation Header 70 00 20 00 01 00 00 00 00 00 00 04 A5 28 00 00 00 00 00 00 00 00 00		
<			×
	Strong ***		_
*** E	irrors ***		
			۳.
** Wa	arnings **		
0.050	1> ** Warning: The Max Instance attribute did not changed after receiving a LLDP frame from a new interface. The DUT reuses previous instance numbers		
8058	1> ** Warning: The Max Instance attribute aid not changed after receiving a LLDP frame from a new interface. The DUT reuses previous instance number of the standard stand Standard standard	uper?	
* Ren	ninders *		
248	1> * Reminder: The DUT supports the new Identification TLV.		

- CT19.1 Conformance Test: multiple encapsulation test problem
 - 1. When we run 5 times of encapsulation test continuously, we occasionally get an error as the figure below. We think it may be a firmware bug need to be fix.

Note: We get this issue by doing the EthernetLink test 5 times with encapsulation test.



Can't change the IP configuration mode by Rockwell EtherNet/IP Address Commissioning Tool

 When we use the tool to send the request to change the IP configuration mode to "Static", the tool responds the device don't support CIP and the mode change fail.

We wonder if it's also a firmware issue, and if it could be fixed.

	And and Demonstr							
Unassigned	Assigned Requests + Add to Configuration	Refresh State 🛛 🔞 Set IF	P Configuration Mode	Delete 🕞 Export		Q, Filter		
Assigned	- Host Name							
Configuration		192.168.1.52	MAC 10:63:49:20:70:FA	Request Type Description	IP Configuration Mode	CIP Information	Modified 4	
Configuration	E2	192.168.1.10	3C/£0/64/62/E2/C7	DHCP	Dynamic	VendorID:1722;DeviceTyp VendorID:806;DeviceType	2023-09-12 15:08:54 2023-09-12 15:07:20	
Settings	CompackLogis5380		50,88-16-07-F2-R1	DHCP	Dynamic Static	VendorID:1;DeviceType:1	2023-09-12 14:27:46	
Settings	K5300_1007	192.168.1.12	40	1.110	Static	VendorID:1;DeviceType:3	2023-08-31 18:52:57	
Log	Kinetix5300	192.168.1.11	40 Set IP Mod	ie and a second s	Dynamic	Unknown	2023-08-10 16:44:44	
			MAC Addres Set IP Mode	10.00 CT 10.00				
			aning Tasl Marsing 2.00. C	Rockwell Automation opyright © 2022 Rockwell Automation Technol	Inclusion All Diable Decor			

ioning Tool

Address Commissioning Tool

Assigned Requests										
+	Add to	o Cont	figuration	🚺 Refresh State	👸 Sei	t IP Configuration Mode	前 Delete	Export		
			Host Name	IP		Request Type	MAG	2	=	IP Configuration Mode
			E2	192.168	8.1.52	DHCP	1C:6	3:49:20:7C:FA		Dynamic
(Θ		AM243x	192.168	3.1.10	DHCP	3C:E	0:64:62:E2:C7		Dynamic
			CompackLogix	5380 192.168	3.1.1	DHCP	5C:8	8:16:D7:F2:B1		Static
			K5300_1007	192.168	3.1.12	DHCP	40:4	1:01:DF:4D:0F		Static

Set IP Mode	
The device doe	sn't support CIP.
IP Address:	192.168.1.10
MAC Address:	3C:E0:64:62:E2:C7
Set IP Mode:	Static Mode
	Apply Cancel