



UNH-IOL IPV6 ADDRESS ARCHITECTURE INTEROPERABILITY TEST REPORT

N/A

N/A

N/A

DEVICE AND TEST PLAN INFORMATION	
Device Under Test (DUT)	Ubuntu
Test Specification/Suite	UNH-IOL IPv6 Address Architecture Interoperability, Version 3.1, June 2021
Result ID (1-4)	0
Result ID (3-0)	0
This testing pertains to a set of standard requirements, put forth in RFC(s) 4193, 4291, 4007, 3879, 6724, 2526, 4862, and 4443. This report is in accordance with the USGv6 Test Program. Note, please refer to the result ID for the corresponding version of the test specification. A Result ID of 0 indicates Not Applicable.	

CONTACT INFORMATION		
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SUMMARY OF RESULTS

The following table contains a summary of results other than PASS. The definition of result types can be found in the [Result Key](#).

	RESULTS
TEST NUMBER & LABEL	USGv6 Addr Arch
AAlop_1_02e: The DUT does not support tracking which next-hops advertised which prefixes.	N/S

TESTING NOTES

NOTES
No unusual device activity was observed during this testing.



REVISION HISTORY

The following table contains a revision history for this report.

REVISION	DATE	AUTHOR	EXPLANATION
1.0	08/22/2022	Michayla Newcombe	Initial Report.

DEVICE UNDER TEST AND INITIALIZATION INFORMATION

The following table contains the state of the DUT during testing.

COMPONENT	DESCRIPTION
Product Name	Ubuntu
Product Description	Ubuntu OS
UNH-IOL Product ID	29196
Product Version	20.04 (Kernal:5.8.0-59-generic, NetworkManager:1.22.10, systemd:245.4-4ubuntu3.15)
Product Category	Host
Device Under Test MAC Address - Net 0	00:50:56:B1:A3:86



TEST TOOL AND ENVIRONMENT INFORMATION

The following table contains the test tool and test suite versions used during testing.

TOOL	Version
IOL INTACT® Version	3.3.1.1
Test Script Version	3-1_00
Test Specification	IPv6 Address Architecture IOP-Host
Test Specification ID	AddrInterop
Test Selection Table Version	Addr_Arch_R1_v1.2_I



TESTBED DEVICES

The following tables contain devices from the UNH-IOL testbed used during testing.

TESTBED DEVICE	
TN1 Product Name	Apple macOS
Product Description	Operating Systems
Software Version	10.11.3
Product Category	HOST
MAC Address	10:DD:B1:D1:4A:9D

TESTBED DEVICE	
TN2 Product Name	Microsoft Windows
Product Description	Operating System
Software Version	10
Product Category	HOST
MAC Address	00:50:56:B0:6B:3F

TESTBED DEVICE	
TN3 Product Name	Oracle Solaris OS
Product Description	Operating System
Software Version	11.3
Product Category	HOST
MAC Address	00:E0:81:01:04:04

TESTBED DEVICE	
REF Router1 Int1: MAC Address	A8:D0:E5:52:6D:60
REF Router1 Int2: MAC Address	A8:D0:E5:52:6D:60



TESTBED DEVICE	
REF Router2 Int1: MAC Address	74:8E:F8:34:62:90
REF Router2 Int2: MAC Address	74:8E:F8:34:62:90

TESTBED DEVICE	
DNS Server IP address	2001:2:0:aa80:20c:29ff:fed4:1536



RESULTS

The following table contains all results from testing.

TEST NUMBER & LABEL	RESULTS
	USGv6 Addr Arch
AAlop_1_01a	PASS
AAlop_1_01b	PASS
AAlop_1_01c	PASS
AAlop_1_01d	PASS
AAlop_1_02a	PASS
AAlop_1_02b	PASS
AAlop_1_02c	PASS
AAlop_1_02d	PASS
AAlop_1_02e	N/S
AAlop_1_03a	PASS
AAlop_1_03b	PASS
AAlop_1_04a	PASS
AAlop_1_04b	PASS
AAlop_1_05a	PASS
AAlop_1_05b	PASS



APPENDICES

APPENDIX 1: RESULT KEY

The following table contains possible results and their meanings.

RESULT	MEANING	INTERPRETATION
PASS	Pass	The Device Under Test (DUT) was observed to exhibit conformant behavior.
N/S	Not Supported	The Device Under Test (DUT) was not observed to support the necessary functionality required to perform these tests or the requirement is optional and not supported by this device.