



IPV6 READY INTEROPERABILITY CORE PROTOCOLS TEST REPORT

N/A

N/A

N/A

| DEVICE AND TEST PLAN INFORMATION | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Device Under Test (DUT) | Ubuntu |
| Test Specification/Suite | IPv6 Ready Interoperability Core Protocols, Version 5.0.5, January 2022 |
| Result ID (USGv6 - 2008) | 0 |
| Result ID (IPv6 Ready Logo / USGv6r1) | 0 |
| This testing pertains to a set of standard requirements, put forth in RFC(s) 4862, 2474, 3168, 4443, 4291, 8200, 4861, 8201, 5095, 4191, 6980, 7217, and 8106. This report is in accordance with the USGv6 Revision 1 Test Program and IPv6 Ready Logo. 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](#).

| TEST NUMBER & LABEL | RESULTS | | |
|-------------------------------------------------------|--------------------|------------|-------------|
| | IPv6 Ready Logo | USGv6 Core | USGv6 SLAAC |
| No non-passing results were uncovered during testing. | | | |

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 |
| Host 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 | 5-0-5_02 |
| Test Specification | Core IPv6 Interoperability - Host |
| Test Specification ID | Core-Interoperability |
| Test Selection Table Version | Core_R1v1.3_I,SLAAC_R1v1.3_I |



TESTBED DEVICES

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

| TESTBED DEVICE | |
|---------------------|-------------------|
| Product Name | Apple macOS |
| Product Description | Operating System |
| Software Version | 11.4 |
| Product Category | Host |
| MAC Address | 14:98:77:5A:4A:6F |

| TESTBED DEVICE | |
|---------------------|----------------------|
| Product Name | Cisco Nexus 9000 |
| Product Description | Operating System |
| Software Version | NXOS: version 9.3(7) |
| Product Category | Router |
| Int1: MAC Address | 00:81:C4:14:81:27 |
| Int2: MAC Address | 00:81:C4:14:81:27 |

| TESTBED DEVICE | |
|----------------------|-------------------|
| REF HOST MAC Address | 00:50:56:b1:41:58 |

| 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 | |
|-------------------------------|-------------------|
| REF Router3 Int1: MAC Address | CC:4E:24:6F:11:00 |
| REF Router3 Int2: MAC Address | CC:4E:24:6F:11:00 |



RESULTS

The following table contains all results from testing.

| TEST NUMBER & LABEL | RESULTS | | |
|---------------------|-----------------|------------|-------------|
| | IPv6 Ready Logo | USGv6 Core | USGv6 SLAAC |
| IP6Interop_1_1a | PASS | PASS | N/A |
| IP6Interop_1_1b | PASS | PASS | N/A |
| IP6Interop_1_1c | PASS | N/A | N/A |
| IP6Interop_1_1d | PASS | PASS | N/A |
| IP6Interop_1_1e | PASS | PASS | N/A |
| IP6Interop_1_1f | PASS | N/A | N/A |
| IP6Interop_1_2a | PASS | N/A | PASS |
| IP6Interop_1_2b | PASS | N/A | PASS |
| IP6Interop_1_2c | PASS | N/A | PASS |
| IP6Interop_1_2d | PASS | N/A | PASS |
| IP6Interop_1_3a | PASS | N/A | PASS |
| IP6Interop_1_3b | PASS | N/A | PASS |
| IP6Interop_1_3c | PASS | N/A | PASS |
| IP6Interop_1_4a | PASS | PASS | N/A |
| IP6Interop_1_4b | PASS | PASS | N/A |
| IP6Interop_1_5 | PASS | PASS | N/A |
| IP6Interop_1_6a | PASS | PASS | N/A |
| IP6Interop_1_6c | PASS | PASS | N/A |
| IP6Interop_1_6d | PASS | PASS | N/A |
| IP6Interop_1_7a | PASS | PASS | N/A |
| IP6Interop_1_7b | PASS | PASS | N/A |



| | | | |
|-----------------|------|------|------|
| IP6Interop_1_7c | PASS | PASS | N/A |
| IP6Interop_1_7d | PASS | PASS | N/A |
| IP6Interop_1_8a | PASS | N/A | N/A |
| IP6Interop_1_8b | PASS | N/A | N/A |
| IP6Interop_1_8c | PASS | N/A | N/A |
| IP6Interop_1_8d | PASS | N/A | N/A |
| IP6Interop_1_8e | PASS | N/A | N/A |
| IP6Interop_1_9a | PASS | N/A | PASS |
| IP6Interop_1_9b | PASS | N/A | PASS |
| IP6Interop_1_9c | PASS | N/A | PASS |
| IP6Interop_1_9d | PASS | N/A | 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/A | Not Applicable | This test does not apply to the device type or is not applicable to the testing program selected. |