

UNH-IOL Open Networking Consortium

Open Networking Integrators List Policy
Version 1.1
Policy Document



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UNH-IOL Open Networking Consortium
21 Madbury Rd Suite 100
Durham, NH 03824

Tel: +1 603-862-0090
Fax: +1 603-862-4181
Email: ocp-lab@iol.unh.edu

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MODIFICATION RECORD

2015 August 18 (Version 0.1 DRAFT)

David Woolf: Initial Release

2015 September 15 (Version 0.2 DRAFT)

David Woolf: Initial Release

2015 September 15 (Version 0.3 DRAFT)

David Woolf: Initial Release, fixed definitions.

2016 January 5 (Version 1.0 RELEASE)

David Woolf: Edited section 4 to allow for product combinations to meet the Integrators List qualifications, even if not all tests were performed, as long as the test optimization rules were followed, per the Test Plan.

2016 March 31 (Version 1.1 RELEASE)

David Woolf: Edited section 4 to allow for switch companies to provide and support a non-commercial NOS product for interoperability testing with their product. Added URL to test plan in references section.

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INTRODUCTION

The University of New Hampshire’s InterOperability Laboratory (IOL) is an institution designed to improve the interoperability of standards-based products by providing a neutral environment where a product can be tested against other implementations of a common standard, both in terms of interoperability and conformance. The Open Compute Project community and UNH-IOL have worked closely to define test procedures and policies for a public Open Networking Integrators List. This document describes the Integrators List, how to qualify products for it, and policies surrounding the Integrators List. The goal of the Open Networking Integrators List is to help implementers evaluate the functionality and interoperability of their products.

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REFERENCES

The following documents are referenced in this text:

1. Open Network Systems Interoperability Test Plan;
<https://www.iol.unh.edu/testing/open-networking/ocp/test-suites>

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Section 1: Integrators List Policies

Overview: This section describes policies and procedures for listing qualifying products on the Open Networking Integrators List.

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1 - Purpose

The following outlines the policies for the Open Networking Integrators list (IL) and shows how companies participating in the UNH-IOL Open Networking consortium can have their products included in the public Open Networking Integrators List.

The Open Networking Integrators List will serve as a means for component suppliers to indicate conformance to the Open Networking specification and interoperability with other Open Networking products. While listing on the Integrators List does not guarantee conformance or interoperability it provides a reasonable degree of confidence that a tested product will work well in a multi-vendor environment.

2 - Location

The Open Networking Integrators List will be hosted on the UNH-IOL website at www.iol.unh.edu. The exact URL will be published by UNH-IOL. The list will be maintained by UNH-IOL.

3 - Definitions

Switch - Any switch which supports ONIE for the purpose of using various Network Operating Systems.

Network Operating System (NOS) - An Network Operating System that can be installed and run on a switch.

Non-Commercial Network Operating System (NOS) - An Network Operating System that can be installed and run on a switch, which is not a commercial product, is open source, and is freely available to the public for use.

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Module – A module that can be installed into a switch to connect to other switches or hosts using optical cable.

Cable Assembly – A cable and module integrated as a single unit which can be installed into a switch to connect to other switches or hosts.

Interop Configuration – Any combination of the following:

- NOS
- Bare Metal Switch
- Module/Cable Assembly

4 - Eligibility

Products must meet the following requirements to be eligible for the Open Networking Integrators List.

- 1) Pass all necessary conformance tests for the device type, as documented in the most recent version of the Open Networking Systems Interoperability test plan. (<https://www.iol.unh.edu/testing/open-networking/ocp>).
- 2) In at least one interoperability configuration, the product under test must pass all necessary interoperability tests for the device type, as documented in the most recent version of the Open Networking Systems Interoperability test plan.
- 3) UNH-IOL has provided a digitally signed test report documenting that the Product Under Test has met the requirements.

Some tests may be applicable, but are not necessary, and therefore not performed according to the Test Optimization guidelines provided in the Open Networking Systems Interoperability test plan.

Products appearing on the Open Networking Integrators list are products from companies that are actively supporting the community interoperability efforts either through participation in Open Networking plugfests at UNH-IOL, or through membership in the UNH-IOL Open Networking consortium. If a switch vendor submits products for testing which are not supported by current NOS members of the consortium and/or NOS plugfest participants, the switch vendor may provide a non-commercial NOS for testing with their switch products and inclusion in the Open Networking Integrators List. The switch vendor would be expected to provide any necessary technical support to UNH-IOL to enable and install the non-commercial NOS.

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One of the goals of the Open Networking Integrators List is to publically document demonstrated interoperability among Open Networking products. As such, documenting and listing publically the ‘interop partners’ of the product under test is important. When a product under test meets the eligibility requirements to be listed, a notice will be provided via email from UNH-IOL to the Primary Contact at the company of the product under test, as well as the Primary Contact for the company of each of the interop partners. From the day the notice is provided, each company will have 10 business days to respond whether their product can be included as an interop partner. If no response is received, approval will be assumed. If a company acting as an interop partner refuses to be listed, the original listing will still take place, but without the refusing companies product listed.

It is the responsibility of all Open Networking Consortium members to provide a primary contact to UNH-IOL for this purpose.

Products that do not pass conformance testing are not eligible for the Integrators List. If a product passes interoperability tests in certain configurations, but does not pass in other configurations, only the passing configurations would be eligible to be listed on the integrators list.

When UNH-IOL issues reports for a product, they will include a notice on whether the Product Under Test is eligible for the Integrators List or not. In order to have an eligible product included on the Integrators List, the participating company must specifically request UNH-IOL to list the eligible products. Products will not be automatically listed. UNH-IOL will not list products that are not eligible. UNH-IOL will not list products that the participating company has not requested to have listed on the Integrators List.

A participating company could request conformance and interop testing according to the most recent version of the Test Plan, but not immediately request a product be posted to the IL, perhaps waiting for the product to be announced publically. If the Test Pan changes after the product is tested, but before the request for listing occurs, the product would remain eligible for listing, but the listing would indicate which Test Plan version the test was performed to.

A participating company may request testing be performed on their product according to the previous version of the Test Plan (rather than the most recent version). If the testing is performed using the previous version of the Test Plan, within 6 months of the release date of the newest Test Plan, the product would be eligible for the Integrators List. If the testing is performed using the previous version of the Test Plan, more than 6 months after the release date of the newest Test Plan, the product would not be eligible for the Integrators List.

The Test Plan, and this policy documents are products of the Open Networking Community. Participating companies are listed in the acknowledgments section of the Test Plan. Approval of changes to the test plan or the accompanying Integrators List policy must be approved by the community through either a vote, or general consensus (i.e. no sustained objection by any party).

Periodically minor changes tests, or corrections to tests will be approved by the community. When this occurs UNH-IOL will update its test procedures accordingly. When major test plan changes are approved by the community, the community may choose to hold plugfest to further demonstrate the tests.

5 - Information in Listing

The following information must be provided with each listing request, this information will be included in the listing on the public Open Networking Integrators List.

- Product, includes Manufacturer, Model Name.
- Product type (accepted products types are: Switch, NOS, Module, Cable Assembly).
- Operating System Version (NOS Only)
- Firmware revision (Switch Only)
- Test Plan Revision (i.e. 1.0, 1.1, 1.2 etc...)
- Other products that the Product Under Test has demonstrated interoperability with, as documented in the UNH-IOL Interoperability Test Report.

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- Date of listing
- Test ID
- Further Information (primary contact or website)

The Listing does not include test reports issued by UNH-IOL. IL listing is considered permanent. If the Test Plan is revised, listings for previously tested products will remain on the public IL (i.e. listings for products tested against version 1.0, are not removed when version 1.1 becomes available).

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