

LFN OVP

(Compliance and Verification program for the
NFV/SDN/VNF Ecosystem)

Creating a Verified Lab

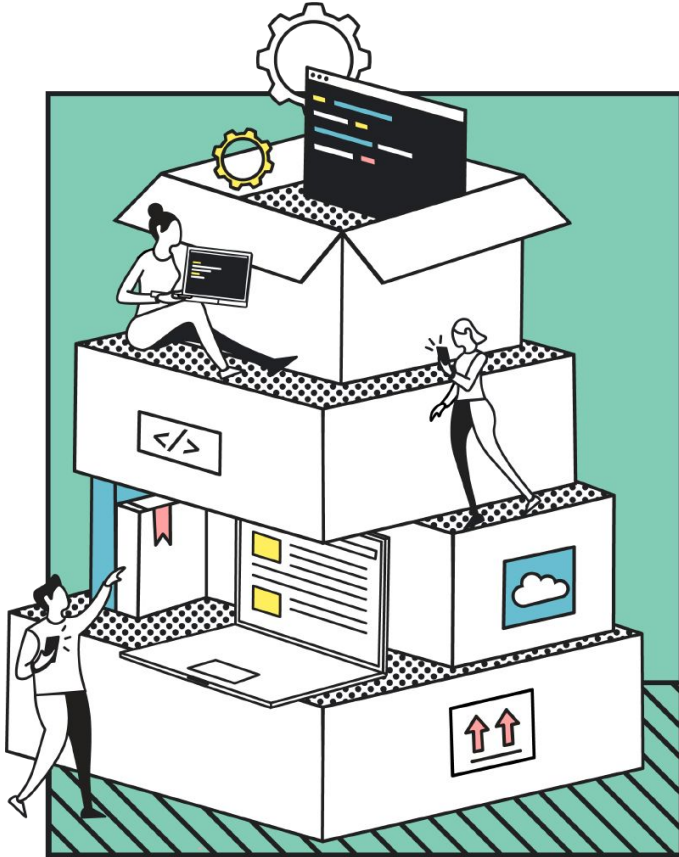
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 **LFN** NETWORKING

 **THE LINUX** FOUNDATION

Why Labs?



- › Let's back up, what are the fundamentals of the OVP program
 - › Open / fair testing / requirements set by community
 - › Multiple testing paths, including self testing and 3rd party labs
 - › Thorough results review process, by community members
 - › Common governance structure for all programs

So, how do labs fit?

- › Labs function as shared resource to gain access to third-party testing
- › Provide access to testing subject matter experts, and additional test/equipment infrastructure
- › Act as a neutral proving ground for vendors and end users to cooperation on solutions and problem solving
- › Typically involved in other activities, include plugfests and developer gatherings



Lab Governance & Requirements

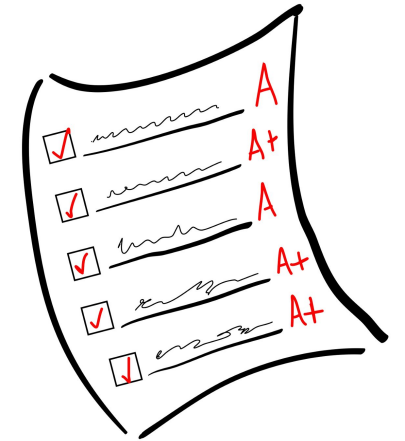
- › Compliance & Verification Committee defined the scope and requirements for the verified labs program
 - › Primary goal to promote and protect integrity of the program
 - › Divided between Qualifications (requirements) and Expectations (project participation)
- › Provided as formal documentation, approved by the LFN Board, as part of the OVP Governance
 - › <https://wiki.lfnetworking.org/display/LN/In-force+Documents>

Lab Qualifications

- ☑ Member of the Linux Foundation, participating in CVC and at least one LF Networking project
 - ☑ Should also be contributing to the testing related projects (Dovetail, Functest, VVP, VNF SDK, etc.)
 - ☑ It's expected the labs would participate in the results review processes
- ☑ Provide testing services to the community in a nondiscriminatory, professional fashion
- ☑ Demonstrate competence in testing for the program of interest

Expectations on Labs

- › Maintain the lab, testing, and related infrastructure
- › Perform testing with unmodified version of the OS tools
- › Participation in LFN projects related to OVP
 - › Actively provide feedback and continuous improvements
- › Participation in review processes
- › Encourage participants to submit results for review and badging
- › Cooperate with other labs on best practices, troubleshooting, and knowhow (build a community)
- › Utilize CI/CD practices from the projects to maintain knowhow and laboratory tooling



Lab Approval Process



- › Combination of documentation and actual test results
- › Lab must demonstrate they possess the necessary infrastructure to perform the testing
- › Lab must setup and conduct a sample test run, providing results for the “normal” review process
 - › Results can contain failures, but the lab must provide an analysis of those failures
- › Provide documentation on lab processes, technical teams, infrastructure, and scope
- › CVC provides the final review and approval of the lab’s appointment / award of the OVP Verified Badge

Houston, We have a lab

First OVP Verified Lab has been announced, welcome



University of New Hampshire
**InterOperability
Laboratory**

Expect additional labs to come online during this year