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

Creating a Verified Lab
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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