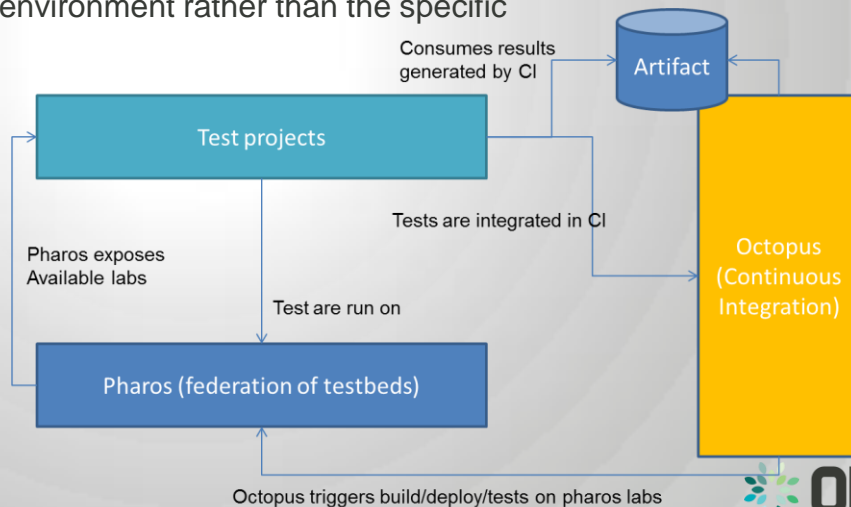


Pharos Plan Update - Agenda

- Pharos Refresher
- Pharos Progress
- Pharos Vision
- Pharos RIs 2 Deliverables
- LF Infrastructure
- Upcoming

Pharos Refresher

- Project for federated test-bed infrastructure hosted by community members and the Linux Foundation
 - Defines a hw environment
 - Defines a uniform way to access disparate lab infrastructures
- Defines pre-install state of the environment into which the platform is deployed
 - Defines capabilities and state of the environment rather than the specific implementation



Pharos Progress

- Supported Arno release with development / deployment environments
 - Ericsson and Intel community labs
 - Linux Foundation infrastructure
- Pharos Specification published with Arno
- 10 Community labs are listed on Wiki

Pharos Vision

- Dashboard for project and community monitoring
 - Capability, capacity, availability and utilization tracking
- Provide diverse test environments
 - Deployments and tests coordinated by Jenkins
 - Test results consolidated from N community labs
 - Test results visible and accessible by community
 - Test analytics applied with dashboard of results
- Provide infrastructure management tools
- Formal infrastructure specification that can be “read” by installer to tailor deployments
- Various infrastructure profiles targeting alternative deployment models and use-cases
 - E.g. developer working on laptop
 - Collaborative development and test projects
 - Small, Medium, Large
 - Data plane performance, security, ... use-cases

Pharos RIs 2 Deliverables

- Pharos features/capabilities/projects delivered as part of rls 2 are still WIP
- Deliver revised / comprehensive specification
 - Naming conventions
 - Guidelines and templates
 - Requirements vs optional aspects
 - Define uniform way to access with user guide
 - Baseline specification ... specific hardware is part of test projects
- Pharos compliant lab requirements / definition
 - Compliance checklist
 - Acceptance tests (tools, scripts)
 - Infrastructure access and user guides for quick-start
- Tools to evaluate compliance of the community labs
 - CI/automation and community requirements
- Dashboards for capability, availability, utilization
 - Project usage and statistics
 - Test history

LF Infrastructure

Support and maintenance teams (Pharos and LF)

- Clarify roles & responsibilities between LF and community teams
- Define the expectations and procedures for all operational aspects
- Establish structured way for changes to get done and supported
- Establish escalation / support paths
- Build competence with group of key individuals as caretakers of the LF infra

Define how we use the LF infra

- Bare metal live deploy and test (at least 1 POD)
- Compile / build / package / nested deployments (1 POD)
- Developer sandbox (?)

Capacity expansion

Discussion started 7th July – present TSC with options / recommendations

Upcoming

- Dedicated meetings to drive Pharos topics
- Explore Infrastructure management tools
 - MAAS (Canonical) demo and discussion in T&P meeting July 9th
 - APIs to manage deployment environment
- Update templates for labs (work with lab owners / managers)
- Define configuration template for installers to deploy compute, network, storage (work with installer projects)
- Resource reservation and prioritization aligned with TSC recommendations
- Detailed deliverables for RIs2
- Update Jira as tasks are planned (ongoing)

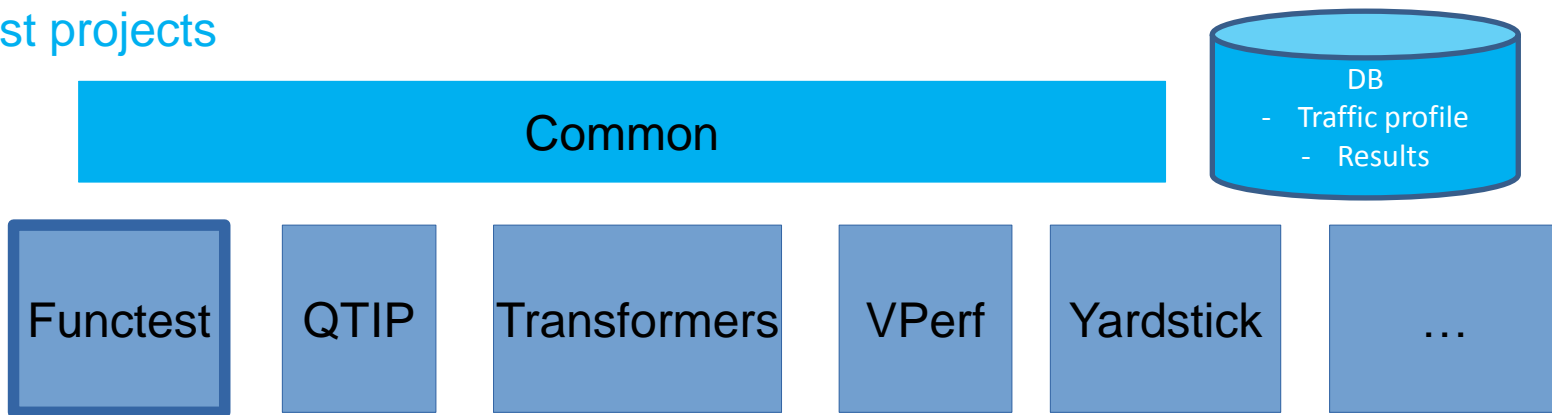
Backup

OPNFV Testbed Infrastructure Project

- Testbed governance and policy
 - Federation of labs with common docs / tooling
 - Consistent web interface to test-beds ... common information, status, user guide, governance, operational policies
 - Process to share tools, knowledge amongst test beds; improve interoperability/portability
 - On-line reporting to share the results (dissemination of results)
 - inventory of resources, history of tests, tools to perform tests
- Reference platform hardware and software definition
 - Latest x86 servers PCIe, 1G / 10G NICs, local storage, 10GE switches
 - “Bootstrap” software configuration to get started ... migrate to OPNFV release/s
- Platform tooling
 - Reservation process and tool
 - Infrastructure and software tools for users to access remotely (effective documentation!)
 - Automation tools for running smoke test and validating test-bed setup
 - Tools developed per project documented and made available for the community
 - Support from IXIA and Spirent with SW test tools and expertise

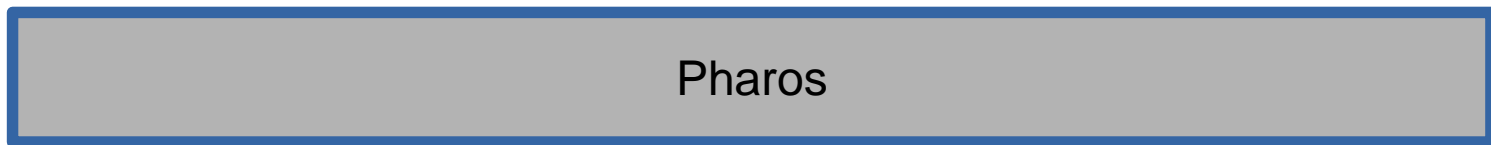
Overview of the different projects

Test projects



Octopus

Testbed



Note: to be discussed

Common could be managed by Funcstest (avoid creation of new project..)

In R1

Project Interactions

