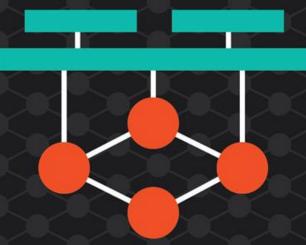
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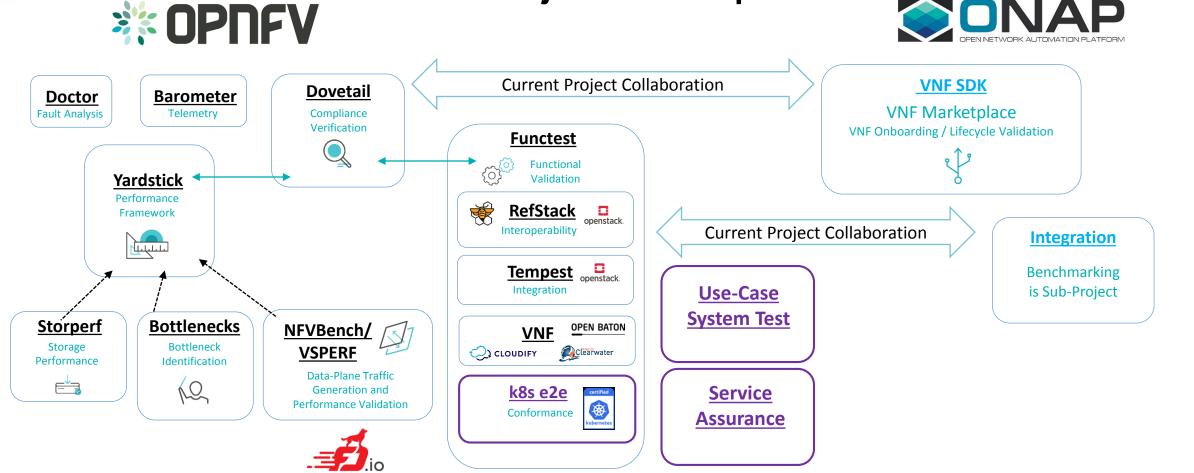
LFN Developer Forum ONAP/OPNFV Cross-Community Collaboration PoC VNF SDK / Dovetail Integration

Bruce Thompson – Amdocs Moshe Hoadley – Amdocs Eddie Arrage - Huawei



LFN Validation & Verification Project Landscape





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LFN 'Verified' Web Portal

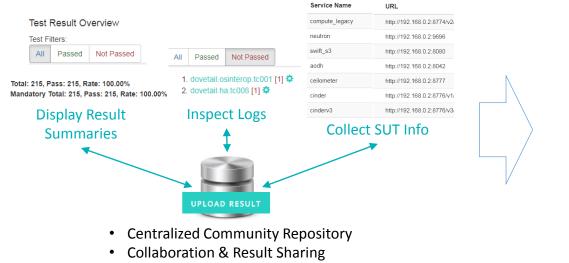
Governance & Workflow

Overview 🕑 Governance Guidelines 🕑 Terms & Conditions 🗹 Process Workflow 🕑 Participation Form 🕑

Training Resources

Release Information

- Provide Key Resources
- Support Learning
- Incentivize Participation



• Self-Testing / Community Review

Acceptance & Marketing Category label



Date versioning

Q Common Verification Framework

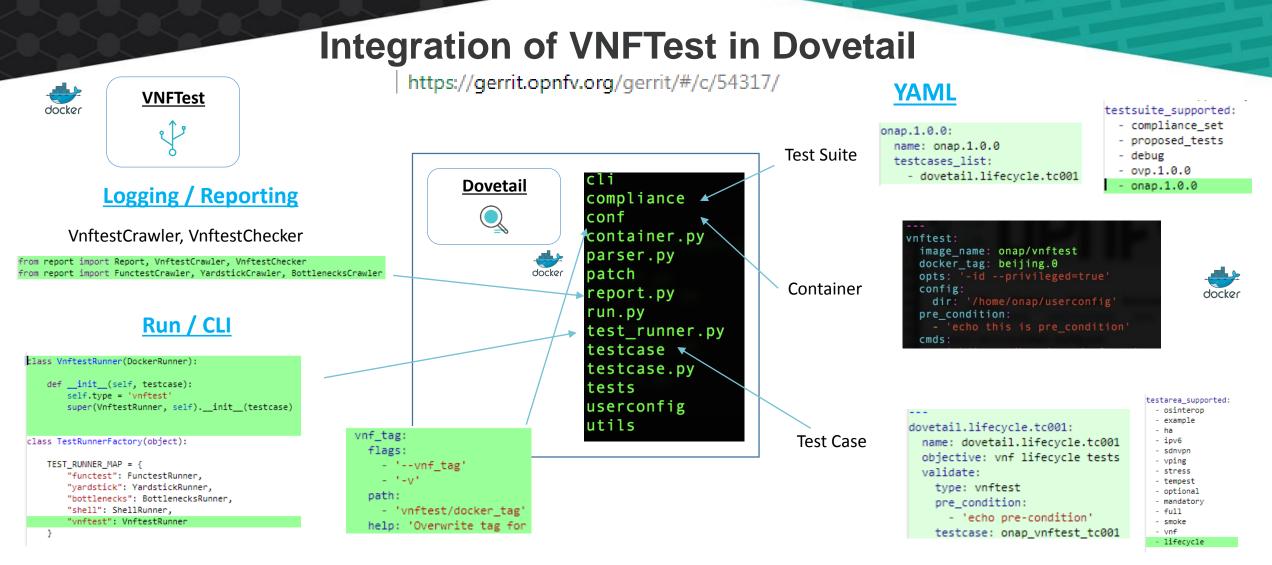
Test Execution, Logging, Centralized Results, Pass/Fail Reporting



OVP Highlights

- Based on operator requirements & capabilities goal of inclusion in RFPs
- Supports both self-testing and third-party lab testing
- Compliance verification with automated test suite developed by the OPNFV community
 - Dovetail test tool with test suites mandatory/optional
 - OVP Portal collaborate and submit results for community review
- Offerings/products that pass the OVP may be labeled as 'OPNFV Verified' considering evolution to unified LFN program
- Initial version validates VIM & NFVI component offerings (+HW = SUT)
- VNF SDK validation content will make a unified 'Verified' program more compelling allowing VNF vendors to participate

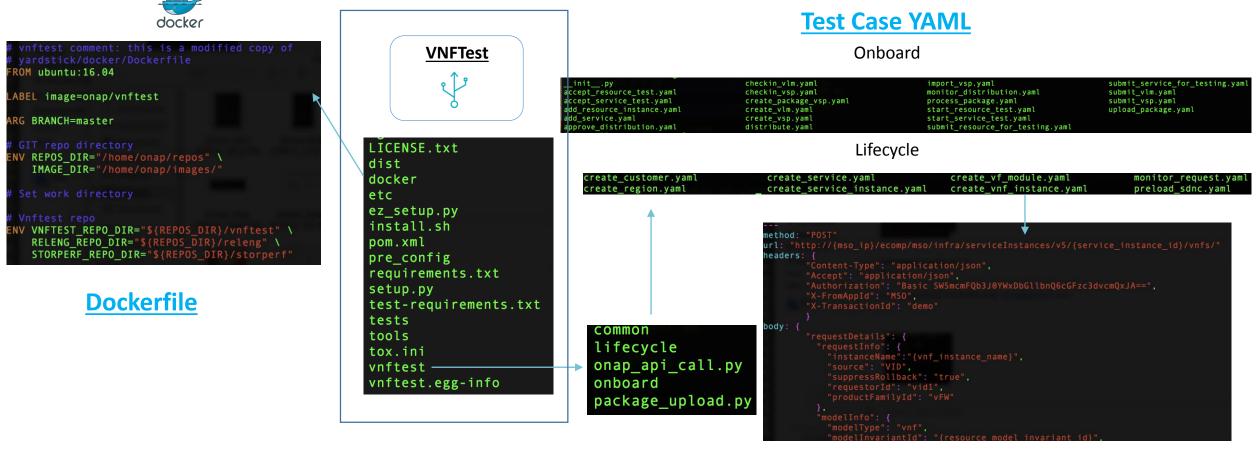






VNF SDK / VNFTest Code Structure

git clone https://gerrit.onap.org/r/vnfsdk/dovetail-integration





ONAP VNF Validation Framework

ONAP VNF SDK / OPNFV Dovetail Integration

ONAP VNF Marketplace

App which shows VNFs available for instantiation in ONAP Network Service

OPNFV Dovetail

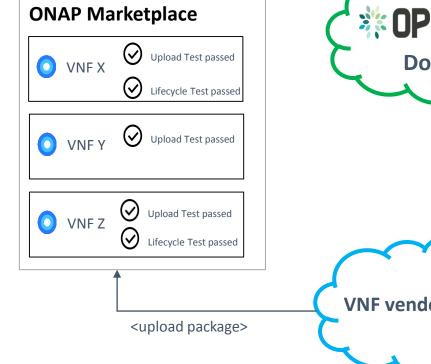
Integrated in ONAP VNF Marketplace Available as a service and reports pass/fail results Test suites divided into onboarding/lifecycle

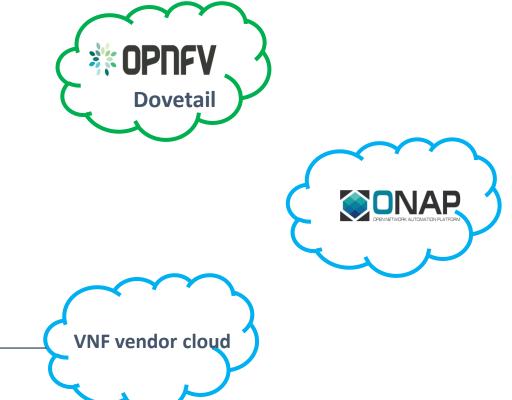
VNF Vendor Cloud

VNF onboarding validations automatically triggered upon uploads to the ONAP VNF Marketplace

ONAP Orchestration / Lifecycle Management

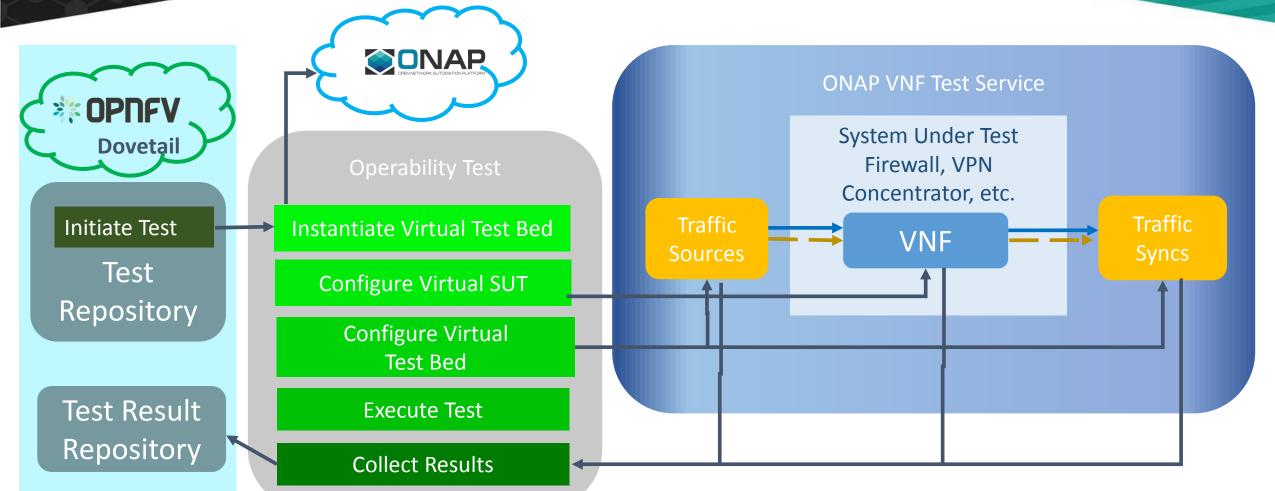
VNF Lifecycle validations executed on demand from VNF Marketplace UI







VNF Test Environment



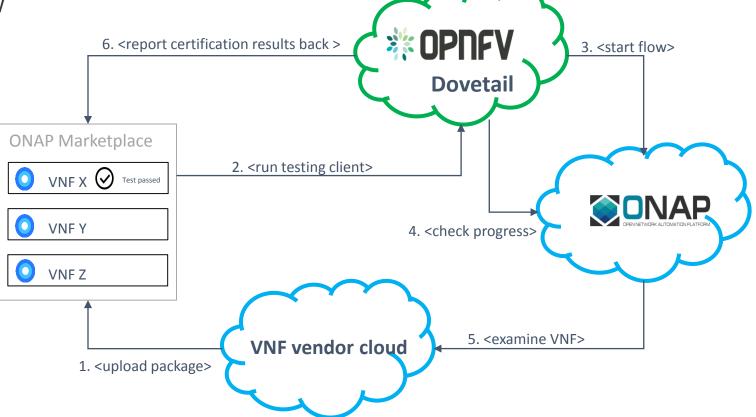


ONAP VNF Validation Framework

ONAP VNF SDK / OPNFV Dovetail Workflow

- VNF vendor initiates upload request to marketplace

 API call references VNF package
- 2. VNF ingest trigger download Dovetail client with parameter specifying test suite to execute
- 3. Dovetail creates Docker container for tests in the suite
- 4. Check progress check status of ONAP services
- 5. Examine VNF may access components of VNF package for validation
- Report results progressively report back results through Dovetail framework in local database to VNF Marketplace



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Demo

https://wiki.onap.org/display/DW/VNFTEST+integration+with+DOVETAIL

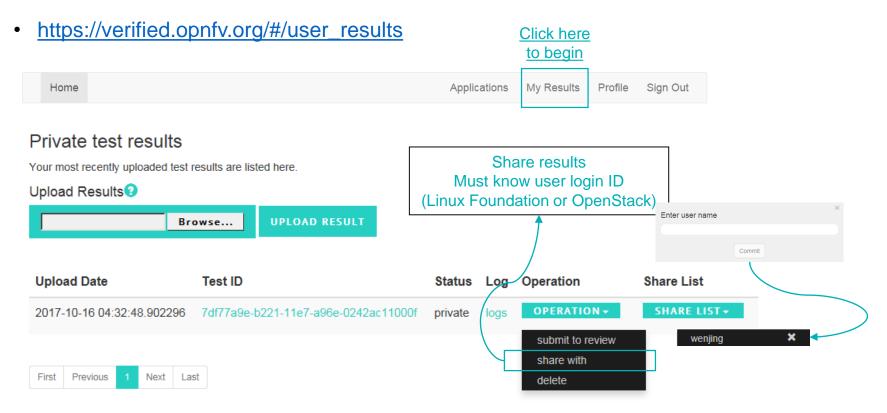


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Appendix



Upload Results to OVP Portal – Share Results



• Testers see options of 'share with' and 'submit for review' in Operation dropdown



Upload Results to OVP Portal – Review Results

