Announcing Anuket

OPNFV & CNTT Unite Communications Infrastructure
The LF is Changing the Fabric of Networking

“...bringing top networking vendors, operators, service providers, and users together.”

Forbes
Looking Back: October 2014

Orchestration and Management

Virtual Network Functions

Compute Virtualization
Storage Virtualization
Network Virtualization

Compute
Storage
Network

Infrastructure

OPNFV

Integration
Testing
New Features

Continuous Integration / Continuous Deployment
Documentation
Security
Looking Back: April 2019

NFVI Hardware Profiles

NFVI Software Profiles

VNF Requirements

NFVI Metrics & Capabilities

Instances Catalogue
Instance Type
Compute flavour

Infrastructure Abstraction
NFVI Metrics & capabilities
Infrastructure Profiles Catalogue

Infrastructure Profiling
Reference NFVI SW/HW Profiles and configurations

Virtual Infrastructure Management
Interfaces & APIs
Compliance & Certification, and Verification Guidelines
Security
Operations
A Merger to Harness Innovation

CNTT
- Operator Driven Common Requirements
- Conceptual Reference Model
- Architecture Definition
- Specifications

OpNFV
- Implementation & Integration
- Distributed Community Labs
- Functional & Performance Testing
- Conformance Programs
- Code
- CI/CD

Anuket
- End to end Technology Lifecycle from Requirements to Implementation
- Aligned with Operator drivers
- Harnesses Technology for Deployment

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A Confluence of Communities

• Enable and encourage the widest input from operators and vendors
• Ensure alignment between architecture/requirements work and engineering work
• Facilitate broad reach of influence with other industry groups
• Enable broad adoption and deployment including associated marketing support
• Break down silos
End-to-End Technology Development

- Business Requirements
- Operational Requirements
- Technology Requirements
- Code Implementing and Testing Requirements
- Upstream Code Collaboration
- Conformance and Performance Testing

Partners

Reference Model

Reference Architecture

RA1

RA2

Reference Implementation

Community Labs

Installers

“Feature” Projects

CI/CD

Reference Conformance

X-Testing

Functest

VSPerf

NFV Bench

StorePerf

Sample VNF

Compliance & Verification

Governance

Process

Portal

Badging
End-to-End Technology Development

- Business Requirements
- Operational Requirements
- Technology Requirements
- Code Implementing and Testing Requirements
- Upstream Code Collaboration
- Conformance and Performance Testing

- Iterate
- Collaborate
- Innovate
- Integrate

Partners

RA1

Community Labs

Installers

Functest

X-Test

Compliance & Verification

Governance

Process

Portal

Badging

Compliance & Verification

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Compliance & Verification

Governance

Process

Portal

Badging
The Story Behind the Name

• Egyptian Goddess of the Nile
• Responsible for Annual Flooding of the Nile
• Associated with gazelles, arrows, and other swift-moving entities
Bringing Value to the Ecosystem

Key Benefits to Service Providers

- Accelerate time to deployment for new network services
- Improve interoperability and software quality
- Reduce in-house testing effort and reduce costs

Key Benefits to Vendors

- Improve time to revenue for new product offerings
- Achieve greater alignment with service provider customer requirements
- Demonstrate product quality through open ecosystem testing
“Everyone benefits, vendors don’t have to build one-off architectures for every single telecom customers, and operators don’t have to devote resources to building potentially unsupportable infrastructures”
- Beth Cohen, Verizon

“This project has a significant impact on both CNTT and OPNFV, and much is at stake. I look forward to seeing this project through to a successful conclusion.”
- Scot Steele, AT&T
Get Involved!

- Anuket Website: https://anuket.io
- Anuket Wiki: https://wiki.anuket.io
- Anuket Store: https://linuxfoundation.store/collections/anuket
- Getting Started with LFN: https://wiki.lfnetworking.org/x/hAKh
- Attend the LFN Developer and Testing Forum: https://www.lfnetworking.org/event/lfn-developer-testing-event-february/
  - Dedicated Anuket Track
  - Anuket AMA

Participate in Anuket and build the infrastructure foundation for the next generation of Communications services
It Begins and Ends with Community