LF NETWORKING

LFN Developer & Testing Forum

ONAP TCC Generic Network Management Update

Magnus Buhrgard, Ericsson
Sebastian Thalanany, UScellular

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Agenda

- Introduction – Magnus
- NGMN 5G E2E Architecture Framework – Sebastian
- Standards information - Magnus
  - Workshop on E2E Network Slicing and Closed Loop Automation
  - Summary of standards information at this event
  - Some “hot topics” in standards that are relevant to ONAP

Introduction

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Next Generation Mobile Networks
NGMN Liaison Statement on the NGMN 5G End-to-End Architecture Framework (Phase-3)

ngmn the engine of broadband wireless innovation

Title: NGMN 5G End-to-End Architecture Framework (Phase-3)

Source: NGMN Alliance Project P1 E2E Architecture Framework

To: 3GPP TSG SA, 3GPP TSG WG2, 3GPP TSG SA WG5, 3GPP TSG SA WG6, 3GPP RAN, ETSI-MANO, ONAP

Date: November 17th 2020

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Sebastian Thalanany (sebastian.thalanany@uscellular.com)

3GPP A GLOBAL INITIATIVE

SA5

tmforum

ETSI World Class Standards

NFV

ETSI World Class Standards

ZSM

ngmn
the engine of wireless innovation

5G E2E Architecture Framework Summary

Leveraging the NGMN E2E Architecture Framework for 5G and beyond

Sebastian Thalanany (UScellular)

ONAP TCC Generic Network Management Update
February 2, 2021
(Content in separate slide deck)

Reference: NGMN E2E Architecture Framework, 11/2020

Standards Information

- Workshop on E2E Network Slicing and Closed Loop Automation - Recording
- Summary of standards information at this event
- Some “hot topics” in standards that are relevant to ONAP

Workshop on E2E Network Slicing and Closed Loop Automation

Host: Magnus Buhrgard (Ericsson)
ONAP Technical Community Coordinator for Network Management

8th December 2020

Agenda

- **ONAP Network slicing / present solution and future plans**
  Lin Meng (CMCC), Swaminathan S (Wipro), Henry Yu (Huawei), Milind Jalwadi (Tech Mahindra)
- **Control loop development in ONAP**
  Liam Fallon (Ericsson)
- **ETSI ZSM work items on Closed loop automation**
  Pedro Henrique Gomes (Ericsson), Ishan Vaishnavi (Motorola Mobility), Laurent Ciavaglia (Nokia)

Presentations available of ONAP TCC Generic Network Management page:

https://wiki.onap.org/display/DW/TCC+Generic+Network+Management

Link to recording and transcript:

https://transcripts.gotomeeting.com/?utm_source=transcriptReadyNotification&utm_medium=email#/s/b40450c61e532c33499050a3384bfafa02ab440b55a45d90dc9977b574279b48

Summary of standards relations at this event 1(3)

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Tue 1 pm: ONAP ETSI-Alignment NS, VNF/CNF Orchestration Architecture for Honolulu+

- Leveraging ETSI SOL004, SOL007, SOL001, SOL005 and SOL003 standards, for Honolulu+

Wed 1 pm: ONAP Special Session - Development and Evolution of Intent-based Network in ONAP

- Topic 5: Standardization activities of Intent-Based Network in different international SDOs such as ETSI, IETF, ITU-T and so on (Dr. Huan Deng, Standardization Expert, China Telecom)

Wed 2.30 pm: ONAP 5G Slicing using ONAP Service(s) and ETSI Network Service(s)

- ONAP Service Descriptors map well to Network Slice Templates and Network Slice Subnet Templates.

Wed 3.30 pm: ONAP / 3GPP Harmonization ves-openapi-manager & SDC distribution monitoring enhancements

- A presentation of ONAP DCAE and ONAP SDC enhancements to support 3GPP Harmonization stream

(Background: Liaison statements)

Time zone - UTC

Summary of standards relations at this event 2(3)

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Wed 3.30 pm: ONAP Control Loop in TOSCA PoC

- The participants that comprise a Control Loop and the metadata needed to link the participants together to create a Control Loop are specified in a standardized way using the OASIS TOSCA modelling language.

Thu 1 pm: ONAP ETSI NFV joint container data model workshop and latest modeling subcommittee process update

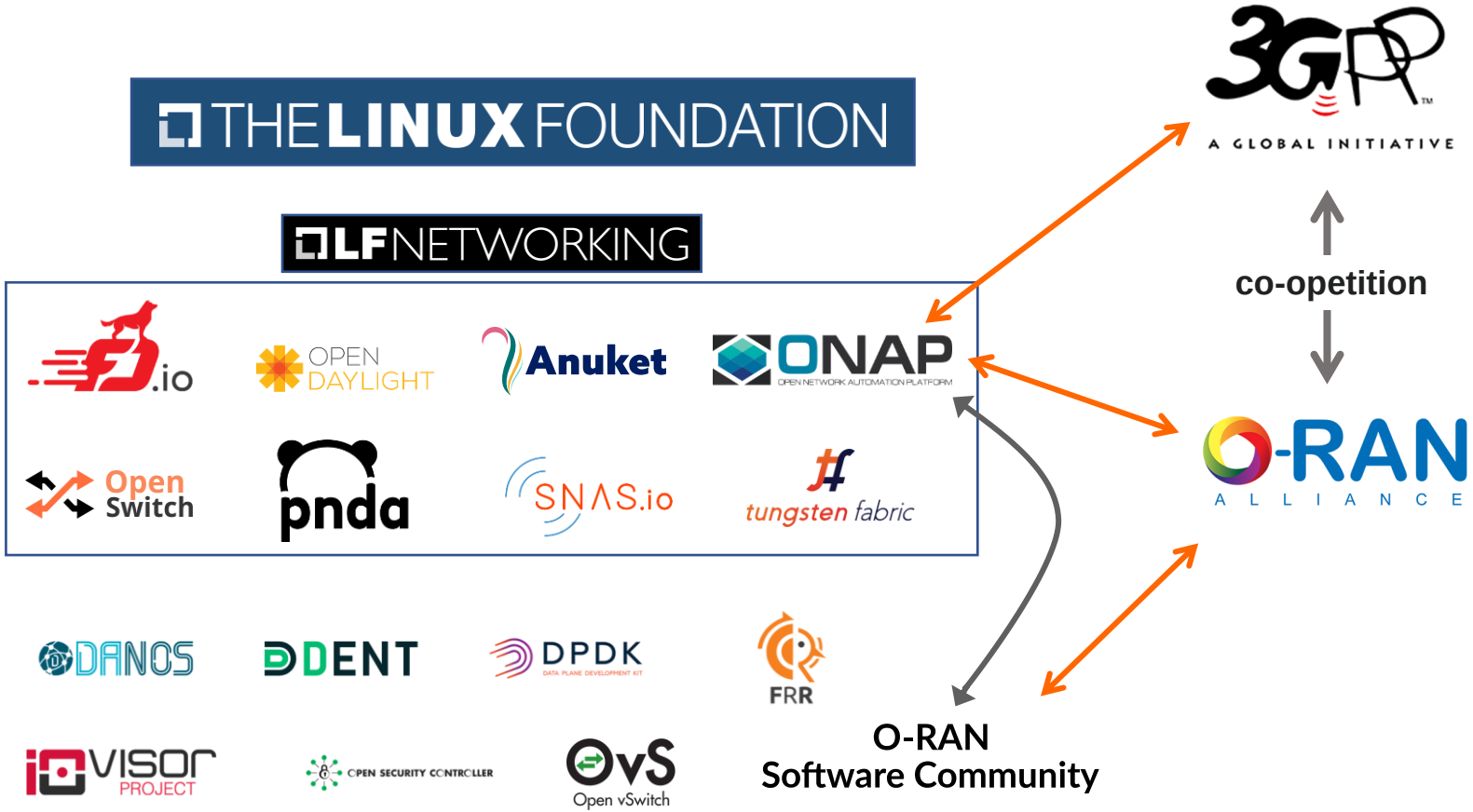
- ONAP ETSI NFV joint workshop on container
- ETSI NFV report on progress (Thinh Nguyenphu)

Thu 2 pm: ONAP CCVPN - Transport Slicing Demo of Guilin

- Demonstration of the Transport Slicing solution developed in Guilin (related to IETF and ETSI ZSM)

Time zone - UTC

ONAP – 3GPP – O-RAN - OSC



Summary of standards relations at this event 3(3)

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Wed 1 pm: ONAP Demo: O-RAN A1 Policy & Non-RealTime-RIC automated test/demo environment

- Short introduction and demo of our automated test/demo suite for O-RAN A1 Policy functions in ONAP (Guilin) and OSC NONRTRIC.

Thu 2 pm: ONAP/O-RAN/OSC Alignment - Updates and Roadmap

- Update of the alignment actions between ONAP/O-RAN/OSC…
- The objective is to improve the collaboration and synergies in realizing end-to-end 5G use cases while aligning with O-RAN specifications

Time zone - UTC

Some ”Hot Topics”

Trends: Openness, Automation, Abstraction, Cloud Native

- Intent Driven Management – TM Forum, 3GPP SA5, ETSI ZSM, ETSI NFV, ONAP, IETF
- Network Slicing – 3GPP SA2/SA5, ONAP, ETSI NFV/ZSM, O-RAN Alliance
- Closed Loop SLS Assurance – 3GPP SA5
- AI & Machine Learning (ML)
- Autonomous Network – TM Forum

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