

Use Case Realization Call: September 18, 2019

Date

18 Sep 2019

Attendees

- Benjamin Cheung
- Fari Behi
- Ittay Stern
- Vimal Begwani
- Seshu
- huang Cheng
- Gerard Hynes
- Joanne Liu Rudel
- Scott Blandford
- Zu Qiang (Ericsson)
- Prabhu Balan
- Oskar Malm
- James Forsyth
- Swaminathan Seetharaman
- Melanie Sater

DISCUSSION ITEMS LOG

Ct gry	Item	Who	Notes
Pltfm	PLATFORM TOPICS: Controller to NF Association	Benjamin Cheung	R5/R6 Topic See Slides Nov 6, 2018. Development of Controller to NF assignment association S/W. CDS, VF-C, APP-C, SDN-R, SDN-C; will the CCSDK "merging" of controllers happen in R6? USE CASE REALIZATION MEETING (Notes 2018-11-6) Ctrl-NF
Pltfm	PLATFORM TOPICS: Data Persistency, RunTime DB	N.K. Shankara narayanan Joanne Liu Rudel Benjamin Cheung	STATUS: Work for RunTime DB completed, not merged in R4 Dan Timoney moved to R5, one Jira for RunTime DB . One issue about merging. ONAP code added can take a test ONAP deployment to have the ConfigDB work. USE CASE REALIZATION MEETING (Notes 2019-01-30) U/C Cross-Interaction, Persistency
Pltfm	PLATFORM TOPICS: Controller LCM API Evolution	Oskar Malm	https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2 Goals (Architecture Evolution) • Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations • Support PNFs for applicable LCM operations in a consistent way • Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category ◦ In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases. • Evolution steps that preserve backwards compatibility for clients Present at the Arch S/C Apr 9 (Tue) second presentation.
Use Cases	USE CASE/5G: RAN (ORAN-3GPP) Standards harmonization with ONAP	Marge Hillis Vimal Begwani Fred Feisullin	• Orchestration at the Edge. • A1/O1/E2 communications. Edge to ENBs, Telemetry. • E2 will not have this info. O1 is I/F for PM counts. Not a management I/F. • WG3 (ORAN) is defining this. • ONAP w/ O1. Changes w/ O1 interface. • How to satisfy A1/O1 and in what time-frame. • U/C ORAN - ONAP harmonization. 3GPP ORAN ONAP. • Starting a new U/C in 5G. Marge, Vimal, Fred Feisullin • Edge inventory & topology. Transport BH consideration w/ real-time near-RT aspects • Akraino. MEC. Edge automation (Ramki). Use Case WIKI: MOBILITY STANDARDS HARMONIZATION WITH ONAP

Use Cases	USE CASE/5G: Licensing Management	Timo Perala Samuli Kuusela	New U/C added to the 5G Use Cases for Licensing Management Use case Wiki: LICENSING MANAGEMENT
Use Cases	USE CASE/5G: OOF / SON	N.K. Shankara narayanan	PoC U/C will happen in WinLab. To meet time lines do those parts in Windriver focusing on DCAE, Policy and OOF. Jira SDN-C (Dan Timoney) pushed El Alto (the Maintenance Release).
Use Cases	USE CASES: BBS U/C Evolution	David Perez Caparros Tim Carey Chaker Al-Hakim	BBS Evolution - Slide set linked in R6 proposed U/C. List of proposals & functional requirements. 1. Change Service - want to use ONAP platform. 2. Full Closed Loop for Fault Management - CLAMP. 3. Service Update API (SO) - will be developed https://wiki.onap.org/download/attachments/60887504/BBS_R5_v1.pptx?version=1&modificationDate=1554180715000&api=v2
Use Cases	USE CASES/5G: PM Dictionary/FM MD GUI	Marge Hillis	FM META DATA & PM DICTIONARY in R5
Use Cases	USE CASES/5G: PNF S/W Upgrade	Zu Qiang (Ericsson) yaoguang wang	PNF software upgrade in R6 Frankfurt
Use Cases	USE CASES/5G: Preonboarding /Onboarding	Benjamin Cheung Zu Qiang (Ericsson) Michela Bevilacqua	PNF PREONBOARDING / ONBOARDING in R5
Use Cases	USE CASES: IoT Service Creation	Atul Purohit	IoT Create Services on 5G 5G Use Cases in R6 Frankfurt June 19, 2019
Use Cases	USE CASES: Modeling gNB/5G RAN	Thinh Nguyenphu Benjamin Cheung Melanie Sater Tracy Van Brakle Martin Skorupski	Align, harmonize, reconcile various information models to ONAP model: Expand & verify model and harmonize with the ONAP internal information & data model: ETSI SOL001 ... 007 with ONAP internal Model PNFD modeling (Model S/C) 5G Model (3GPP , RAN) ORAN (WGs, RAN) Open ROADM (reconfig optical add/drop multiplexer, Optical) ONF (Optical) ISOMII (Optical) OTCC (Optical transport config & control) - Use Cases that need transport models need some model consistency. - Try a Use Case with extended ONAP model & real equipment.
Use Cases	5G NRM (Network Resource Model) Configuration	yaoguang wang	Presented at the 2019 June LFN DDF, titled as ' 5G Provisioning management service to NRM ' Presentation scheduled for Aug 8, 2019
Architecture	Architecture S/C PNF POB/OB Flow	Benjamin Cheung	Arch S/C Information Flows: Draft ONAP Information Flows New Information flow for Preonboarding/Onboarding xNF packages/resources. ARCHCOM: InfoFlow - Onboard Resource into SDC Flow
Platform	A&AI	James Forsyth	A&AI updates

TSC	TSC: PoC Definition	Benjamin Cheung Alla Goldner	POC definition
TSC	TSC/USE CASES: Test Automation Progress	Benjamin Cheung Alla Goldner	Use Case Test Automation Action Items: Use case subcommittee to reach the Dublin use case owner to provide the following information. what's the current percentage of testing automation regarding your use case and functional requirements; what will be the plan to be 100% and constraints (resources availability etc.)
	R6 Frankfurt / MO		Use Case Tracking Template Need the U/C teams to fill out the Dev. Impacts. More Generalized Use Case Template (discussed w/ Model team): Use Case Tracking Template and Use Case Template
	VID: Service Models Browser Orchestration	James Forsyth user-063b3	VID: Service Models browser - display orchestration type (macro / a`la carte) use-case. This use-case requires us to extend the AAI data-model, with an additional field, related to Service Model. This field will be used later on to indicate in VID the Service Model orchestration type. A&AI Epic 2594  AAI-2594 - AAI: Store orchestration-type parameter as part of model-ver:object CLOSED

VID IMPACTING USE CASES

USE CASE	IMPACTS
PNF / Preonboarding Onboarding	No Impact
PNF / Plug and Play	Migration of existing PNF PnP sub-workflows to a new BB approach (probably we will be creating 4-5 new BBs). VID Impact: Within "old" VID macro orchestration pages, a special field to provide a pnf-id parameter (shall be actually called "correlationID" or "PNF correlationID") has been displayed under the following conditions: 1. Service Model contains a PNF resource type. 2. Service type = vCPE When we migrate to BB approach, we`d keep the possibility to provide this parameter to the SO API call as input.</p> <p>How this will change with SO/BB approach, and with new VID GUI targeted at macro (GR) flows – we`d see exactly, after we execute some tests with VID. We`d have to check, what capabilities and conditions could be applied to display and process this "PNF Correlation ID parameter".</p> <p>Can the same BBs could be re-used in "standard" vCPE use-case.</p> <p>We`re looking at a generic solution, and we`d probably display this additional field, when we figure out, that there is a PNF resource used in a Service Model. SUMMARY: Can Commit. Nokia will be helping to developing.
PNF / Software Upgrade	VID Trigger PNF S/W upgrade workflow, providing corresponding parameter values Zu has already captured change and needed in ONAP, some features to develop VID to allow input from user to instantiate S/W upgrade of PNFs. Changes and specific to these U/C.  VID-595 - update VID GUI to support PNF software upgrade CLOSED SUMMARY: VID can Commit. Question - is Ericsson willing to provide development & efforts. Yes Ericsson will be involved in development.
PNF / Configuration with NetConf	No Impact. The U/C will be updated based on changed in PnP not additional VID impact.

5G / 5G Service Modeling	No Impact
5G / Bulk PM	No Impact, no VID impacted based on the R6 current proposal
5G / PM Dictionary	Will Generic Artifact Browser (existing SDC design studio, GAB) be available in VID? Run Time Usage. SUMMARY: Let's have offline discussion with Damian to answer question. user-063b3
5G / FM Meta Data	Will Generic Artifact Browser (SDC design studio, GAB) be available in VID? SUMMARY: (discuss)
5G / OOF SON (PCI)	Display VID updates to support extensions Not listed in Wiki, need to discuss w/ Ittay. Onboarding SON functionality - Looking at feasibility of existing life cycle of U/C. SON mS triggered by RAN for Config. changes; onboarding to DCAE manually can this SON handler be designed by SDC and then SONaaS automated. No commitment for R6. If this is so, then there might be impact to VID. If designed by VID then modeling CLAMP. NEW Cell Assignment - SON U/C cells are existing already configured; new CELL addition; ONAP may want to assigned PCI to new cell; PCI Assignment; if VID is involved. QUESTION: is Swami committed, will this work be committed? SUMMARY: Might be changes, still designing the U/C. U/C commitment. Probably in Oct. will have more clarity.
5G / E2E Network Slicing	how will slice be instantiated? SO (Seshu) you will require - using svc order API; reach SO through API/external API OSS-BSS client; if you want this external API would be VID change. otherwise need externalAPI w/ OSS-BSS client. How would demonstrate/demo the test? Having VID is probably better choice. From VID perspective ; otherwise new Client SUMMARY: To demo the Network Slice U/C in R6 would want to invoke via VID. POTENTIAL IMPACT. INVESTIGATE.
5G / RAN ORAN 3GPP Standards Harmonization	No Impact
5G / Runtime DB	Display of RunTime DB information; Design Time view of Run Time DB info. No Impact.
5G / NRM CM w/ RESTful HTTPS	No Impact ???
5G / Licensing Management	No Impact
SERVICE RESOLVER	no direct impact; depends on the CFS part - SO handles CFS & RFS there may be VID impact. Vld will interact w/ Policy (in the future) SUMMARY: Potential Impact. Still investigation.
SCALING	Listed as Impact on R6 Release Page But No impact stated on Wiki. With scaling, Ittay & Scott has discussed. For R6 probably no impact. Multiple instances (nice to have in R6) but might be a very large change in VID. Does help many providers. SUMMARY: Listed as a stretch goal for R6; if not put on road-map for a future release.
Mobile Service Chaining & Service Selection	No Impact ???
BBS	No Impact (confirmed)
CCVPN	No Impact (confirmed)
Control Loop	No Impact (confirmed)
Multi Domain Optical Service L0/L1 Orchestration	No Impact ???

CHANGE MANAGEMENT	IMPACT (but not described), None Listed but eMail response said potential Chris Rapposelli-Manzo SUMMARY: Investigate Further.
HPA	No Impact ???
RUN TIME SECURITY	No Impact ???
K8S Based Cloud Region Support	No Impact ???
DAaaS	GUI/CLI based configuration of stack ?? (will this be VID change??) SUMMARY: Investigate
3rd Party Operational Domain Manager	IMPACT (but not described) SUMMARY: Ittay will follow-up w/ Nishi.

KEY PRESENTATIONS & OVERVIEWS & RECORDINGS

DATE	TOPIC	PRESENTER	DESCRIPTION
Apr 10, 2019	Controller LCM API Evolution	Oskar Malm	- Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations - Support PNFs for applicable LCM operations in a consistent way - Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category - In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases. - Evolution steps that preserve backwards compatibility for clients https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_El_Alto.pptx?api=v2
May 1, 2019	A&AI GraphGraph Visualizer	Pavel Paroulek	Visualizer for A&AI Model Layout Use Case Realization Call: May 1, 2019
May 8, 2019	A&AI Model Browser, Sparky	James Forsyth	A&AI developer Model Browser to navigate and viewing attributes, object types & edge view Recording & Slides: Use Case Realization Call: May 8, 2019
May 15, 2019	A&AI Run Time Browser (Sparky)	Giulio Graziani	A&AI Run-Time Browser
May 22, 2019	Edge Automation Overview & Discussion	ramki krishnan	Central & Distributed Edge ONAP configuration. Topics include: Onboarding, Instantiation, Edge Orchestration, A&AI, Architecture, Work-flows, Multi-Tenancy Use Case Realization Call: May 22, 2019
May 29, 2019	Modeling S/C , Use Case Project Teams, Architecture S/C Way of Working	Benjamin Cheung	Model S/C (Sub committee) contributions page: Modeling sub-committee Contributions https://wiki.onap.org/display/DW/Proposed+ONAP+Release+Process+Updates+for+Information+and+Data+Modeling
Jun 5, 2019	Use Case slides for Dev. Forum	Benjamin Cheung	Use Case Realization Call: June 5, 2019
July 10, 2019	R6: PNF Software Upgrade Overview & Discussion	Zu Qiang (Ericsson) Ulas Kozak yaoguang wang	ONAP Read the Docs/R4 Announcements WIKI: PNF software upgrade in R6 Frankfurt
July 24, 2019	R6: OOF/SON PCI Use Case Demo, Overview & Discussion	N.K. Shankarana rayanan	OOF / PCI / SON Use Case

Aug 7, 2019	5G NRM (Network Resource Model) Configuration U/C Overview	yaoguang wang	5G NRM (Network Resource Model) Configuration U/C
Aug 14, 2019	ORAN Standards Harmonization U/C Overview	Marge Hillis Vimal Begwani	ORAN Standards Harmonization U/C
Aug 21, 2019	Modeling Sub-Committee guidelines & Use Case Interactions	Andy Mayer Hui Deng	Modeling S/C Process Wiki: Proposed ONAP Release Process Updates for Information and Data Modeling Use Case Tracking Template and Use Case Template R6 Modeling High Level Requirements Planning Page: ONAP R6 Modeling High Level Requirements
Sept 4, 2019	Licensing Management Overview	Timo Perala Samuli Kuusela	Introduction of Licensing Management in R6
Sept 11, 2019	SDC & R6 Use Case Impacts Discussion	Ofir Sonsino	Discussion with SDC PTL Ofir w/ the Use Case Teams and SDC commitments. See the summary Table for SDC impacting Use Cases.
Sept 18, 2019	VID & R6 U/C Discuss Preparation for Technical Conference Antwerp	Ittay Stern Use Case Teams	Discussion with VID PTL (Ittay Stern) for R6 Use Case Impacts discussion and commitments for VID impacting Use Cases Preparing slides for Use Cases at the Technical Conference Antwerp (for 5G/PNF use cases)
Sept 25, 2019	A&AI & R6 Use Case Impacts Discussion	James Forsyth	Discussion with A&AI PTL (Jimmy Forsyth) and Chandra Cinthala for R6 A&AI Use Case Impacts discussion and commitments.
Oct 2, 2019	DCAE & R6 Use Case Impacts Discussion	Vijay Venkatesh Kumar	Discussion with DCAE PTL (Vijay Kumar) for R6 Use Case Impacts discussion and commitments for DCAE impacting Use Cases
Oct 9, 2019	M1 U/C discussion	Use Case Teams	M1 Deadline (Oct 10 2019)
x, 2019	SO & R6 Use Case Impacts Discussion	Seshu Kumar Mudiganti	Discussion with SO PTL (Seshu Kumar) for R6 Use Case Impacts discussion and commitments.
x, 2019	Release Manager Discussion	David McBride	Discussion with David McBride of the Linux Foundation, the R6 Release Manager regarding practices, wiki page updates, Jira dashboard and what is a use case?
x, 2019	RunTime DB Discussion	Joanne Liu Rudel Benjamin Cheung	Discussion of the RunTime DB Use Case in R6 Frankfurt which introduces a Common Service Data Layer for a data lake to store configuration and operational parameters.

SUPPORTING DOCUMENTATION

Document	File
Use Case Impacts Spreadsheet	 R6Frankfurt-Use...31jy2019v3.xlsx

5G / PNF Use Cases in R6 Frankfurt for the Antwerp
Conference Sept 26-27



5GUseCase-R6F...Sep2019v3.pdf

RECORDING

Recording	FILE
Zoom Video & Audio (MP4)	 zoom_0.mp4
Audio Only (M4A)	 audio_only.m4a

Playback (M3U)



playback.m3u

Chat (Txt)