Use Case Realization Call: May 22, 2019

Date

22 May 2019

Attendees

- Benjamin Cheung
- Fernando Oliveira
- ramki krishnan
- Gerard Hynes
- Nishi Mathur
- Melanie Sater
- Oskar Malm
- James Forsyth
- Joanne Liu Rudel
- Atul Purohit
- maopeng zhang

Goals

Table of Key Presentations/Overviews

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	ramkrishnan	Analytics focus. 5G place RAN CU in specific locations. Low-latency application. Specific Edge Data Center. Management portion. Task for distributed Management components. Onboarding. Distributed Management. Instantiation. Cloud Native Eco system. Central Management system. K8S Based. Leverage same W/F. Distributed Edge with different capabilities & capacities. Different categories. An "umbrella/Core" ONAP consolidate view component Micro-service in all Edge locations. Analytics application distributed across all location, want consolidated view. Onboarding/Instantiation Resources - Design Flow integration. Config Sync Mechanism (Cloud K8S operator framework). Offloading process: dimensioning exercise. Topology defined. Application delivery. Instantiation association bind to an existing offload application on the edge. Management components are dynamic. Deploy dynamically. Edge Orchestrator. Heirarchical orchestration. Edge Cache. Edge offload component. Central repository = primary source of truth. SYNC. A&AI - dependent on the U/C. e.g. analytics off-load on edge. CLAMP may need edge A&AI. Craft persona. K8S design. URLLC - Closed Loop on the Edge. 5G. ARCHITECTURE: converging on multiple proposal. Day1 backward compatible. staring Cloud native w/ backward compatible. W/F - Multicloud Effort. Cloud native deployment of management workloads. central & edge coordination. Multi-Tenancy - Automatically factored in. Not driving new multi-tenancy req hold true for Edge. Edge Automation through ONAP Arch. Task Force - Distributed Management (ONAP etc.) components
May 29, 2019	Modeling S/C , Use Case Project Teams, Architecture S/C Way of Working	Benjamin Cheung	
Jun 5, 2019			
Jun 19, 2019	IoT Creation Overview	Atul Purohit	

Discussion items

Time	Item	Who	Notes
	Modeling S/C , Use Case Project Teams, Architecture S/C Way of Working	Benjamin Cheung	Presentation
	Business Drivers	Benjamin Cheung	Discussion of Business Imperatives added to Use Case Pages From U/C S/C call on Monday May 6 See example from PNF PNP and PNF Pre-onboarding/onboarding 5G - PNF Plug and Play PNF PREONBOARDING / ONBOARDING in R6 Frankfurt
	R5 El Alto Cadence Release Proposal (EUAG / End-User Advisory Group)	Benjamin Cheung	https://wiki.lfnetworking.org/display/LN/EUAG+2019-04-09+meeting+minutes Summary: The R5 El Alto release could be shortened and focus on internal (tech) debt and defect backlogs. A proposed release cycle is presented.

	R4/Dublin (RC2) May 29, 2019	Benjamin Cheung	Release Candidate 2 - End 2 End Release Test Cases and End 2 End functional Test Cases. Project Team focused its effort on: 1. **TESTING** - integration testing (complete Health Check and Pair Wise Testing) 2. **DEFECTS** - closing high priority defects 3. **DOCS** - supporting Documentation team R4 Dublin Release Planning Wiki: Release Planning Score Card: M4 Dublin Release Requirements
	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. USE CASE REALIZATION MEETING (Notes 2018-11-6) Ctrl-NF
	PLATFORM TOPICS: Data Persistency	N.K. Shankaranarayanan	STATUS: Work for ConfigDB completed, not merged in R4 Dan Timoney moved to R5, one Jira for ConfigDB. 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
	PLATFORM TOPICS: Controller LCM API Evolution	Oskar Malm	https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_El_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: 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/5G: PM Dictionary/FM MD GUI	Marge Hillis	FM META DATA & PM DICTIONARY in R5
	USE CASES/5G: Preonboarding /Onboarding	Benjamin Cheung Zu Qiang (Ericsson) Michela Bevilacqua	PNF PREONBOARDING / ONBOARDING in R5
	USE CASES: Splitting up PNF & 5G U/Cs	Benjamin Cheung	R5 El Alto Use Case Page: Release 6 (Frankfurt) proposed use cases and functional requirements A new General PNF Use Case Page was created https://wiki.onap.org/pages/resumedraft.action?draftId=60892496&draftShareId=8c48e706-ad4f-464d-84a9-273af806571f Alla will discuss creating new pages for Mobile Service Chaining (KDDI): MOBILE SERVICE CHAINING IoT Service Creation

	USE CASES: Modeling gNB/5G RAN	Thinh Nguyen phu Benjamin Cheung	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**) **ORAN** (WGs) Open ROADM (reconfig optical add/drop multiplexer) ONF **ISOMII** 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. Follow-up Call Tue Apr 30, 2019
	Arch 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
	IoT Service Creation	Atul Purohit	IoT Create Services on 5G 5G Use Cases in R6 Frankfurt Jun 19, 2019
	O-RAN Modeling & alignment with ONAP	Tracy Van Brakle	work with Open RAN alliance availability of 3GPP baseline (that vendor & operators agreed upon) add to ONAPs information model and expand existing management I/F for CM management. want to plug them into ONAP and facilitate the 5G and other use cases working these open I/F specifications. For El Alto WG-1,3,6. Configuration management NetConf YANG specification derived from info model aligned w/ 3GPP RM & existing 3GPP info-model. Papyrus. Which 5G U/C good candidates verification w/ evolving model. PNF PnP/OOF? Near Real Time RIC. WG-4 open Front Haul. In PCI/SON U/C - the SDN-R Interaction w/ RAN simulator is Netconf/YANG based. In R5 we could see what parts of the model would come from ORAN May 15 2019 Update: Early stage information model that pre-dates O-RAN and was used for PCI use case with ONAP rel 2 Beijing is being carried forward to O-RAN O1 CM interface specification; refer to https://wiki.onap.org/download/attachments/28382769/RAN_Info_Model_Rel_0.pptx?api=v2 Attributes similar with LTE. 5G Architecture evolution. Discussion to add a "gold standard" for 5G. Augmenting data within the information model.
	OOF/PCI	N.K. Shankaranarayanan	PoC U/C will happen in WinLab. to meet time lines do those parts in Windriver focusing on DCAE, Policy and OOF. Code still need to be integrated. Jira SDN-C (Dan Timoney) pushed El Alto (the Maintenance Release).

3rd party operational domain manager.

RECORDING

Recording	File

Zoom Recording (Audio /Video)	
Audio Only (M4A)	
Playback (M3U)	

Chat	 

Action items