Casablanca Release Developers Forum Session Proposals

Program Committee:

Members of the Community responsible for reviewing and approving topic proposals and set the agenda and schedule for the event.

Alla Goldner, Parviz Yegani, ramki krishnan, Alexander Vul, Lingli Deng, Nermin Mohamed

Presenter (s)	Title	Short Description	Req Duration	Req Day	Slides
TSC Members	TSC MEETING	Official TSC Meeting agenda is here TSC 2018-06-21 (Beijing)	2 hrs		
China Telecom & Huawei	Welcome Keynote	Host presentations for the event	30 min	Tuesday	
Kenny Paul	Daily session kickoff	Quick rundown on local/remote facilitation expectations	5 min	daily	
Kenny Paul	ONAP groups.io mailing list migration	All of ONAP's mailing lists will be migrated from mailman to groups.io from 09:20 to 11:00 AM Pacific time on June 20th. This is a brief overview of what to expect with the new system	15 mins	must be Monday	

HuabingZhao	MSB Breakout session - Istio service mesh and CNCF projects integration	Istio service mesh provides an infrastructure layer to connect, manage and secure microservices, meanwhile, CNCF project Jaeger and Prometheus can provide service visibilities with distributed tracing and metrics. This session will talk about how MSB project plan to integrate them with ONAP and leverage their capabilities to support ONAP microservice architecture.	1 hour	Tuesday	
Alla Goldner	Usecase subcommittee - use cases and functional requirements going into Casablanca	We will present the details of functional requirements to be implemented in Casablanca.	1.5 hours		

PNFPlugnPlayCa...4Jun2018v7.pdf

5GucCasablanca...-06192018.pptx

6.18_ONAP CCVPN... proposal .pptx

Kenny Paul	PTL Election Process		15 mins		
Alla Goldner	Community feedback and proposals for improvement	Discussion and agreement on improvement proposals Community Feedback	1 hour		

Bin Yang xinhuili yun huang Ethan Lynn Bin Sun Liang Ke	MultiCloud Breakout session - Deep dive into MultiCloud and the guide to develop new MultiCloud Plugins	As the ONAP community grows fast , there has been a lot of queries coming to us to check how to develop MultiCloud plugin service for their own VIM/Cloud flavors. This breakout session is to deep dive into MultiCloud design and implementation, and we are going to come up with a guide for developing new plugin services for new VIM/Cloud types/flavors	1 hour		
Helen Chen, Scott Blandford, Sylvain Desbureaux	Integration Lab: How to leverage Integration Lab and related tools for CI / CD	In this session, we are going to introduce related tools and process on how to leverage Integration lab to achieve CI / CD.	1 hour		

Helen Chen, Yan Chen	ONAP Integration / Benchmark	Content will be covered: where is ONAP regarding maturity from end to end point of view? KPI and benchmark ... And will follow up with PTLs on how to testing them in R3 from projects and integration point of view.	1 hour		
Borislav Glozman	ONAP deployment via OOM on Kubernetes	Demo of ONAP deployment via OOM on Kubernetes, followed by Q&A.	1 hour	Wednesday / Thursday	

Lei Huang	Discussion proposal for accelerator orchestration support requirement issues	Discussion on choosing which use case to embody the accelerator and the related framework, as well as resource modeling and the demand of optimal operation.	30 min		
Michael Lando	SDC showcase of the DCAE-D monitoring design plugin and Casablanca features review	showcase the DCAE-DC as the monitoring designer in SDC. a demo of the capabilities will be presented with a Q&A session. a presentation of the features planned for Casablanca.	1 hour	Please schedule between 2PM - 5PM UTC+8 to accommodate remote connection from Israel	

Michael Lando	VID showcase and Casablanca features review	showcase the VID as the operations portal of ONAP. a demo of the capabilities will be presented with a Q&A session. a presentation of the features planned for Casablanca.	1 hour	Please schedule between 2PM - 5PM UTC+8 to accommodate remote connection from Israel	
Dechao Zhang Davide Cherubini Chaker Al Hakim	CMRI ONAP use case consideration for SOTN & Cross Domain and Cross Layer VPN (CCVPN)Use Case	1)CMCC plans to build a new network based on SDN which provides high rate, survivable and flexible service, for high-value customers. We suggest to realize Super Controller as parts of modules of ONAP such as SO and SDN-C to achieve multi-domain cooperation. 2) details about the whole plan of CCVPN use case, how STON is combined with ONAP and service scenario demonstration. 3) Vodafone proposes to implement open standard External APIs in order to allow Cross Carrier Service Creation	40mins		

Abinash Vishwakarma	ONAP Production Deployment: Possible Scenarios, Problems /Showstoppers, Solution Proposal	Looking at ONAP production deployment top-down from operator's point of view 1) Business drivers 2) Production deployment use cases 3) Typical challenges 4) Capabilities required in ONAP to address the challenges 5) Role of standards and how we see the overall standard eco system can enable the scenarios 6) Our Proposal	1 hour		
Eric Debeau	External API NBI	Presentation of the new NBI component and perspectives for Beijing	30 min +15 min demo		
Eric Debeau, Sylvain Desbureaux	ONAP Deployability requirements from service provider point of view	Presentation of the requirements from a service provider to deploy ONAP from lessons learnt on various POC	30 min		
Jamil Chawki & Eric Debeau	ONAP role in 5G	ONAP key role in a 5G deployment and how ONAP will play a key role in the open source ecosytem and in the different standard bodies	30 min		

Vincent Colas	ONAP introduction strategy in Orange	Orange steps to introduce ONAP in its affiliates, from the technical, organizational and competencies point of view.	30 min		
Tao Shen	ONAP Multi-Language Solution Proposal	Multi-Language support for ONAP portals	30 min		
Yan Yang	CMCC Lab: Integration testing for VoLTE and CPE: lessons Learned	CMCC Lab: Integration testing for VoLTE and CPE: lessons Learned	30min		
Yan Yang	Deep Dive into VF-C	Deep dive into VF-C design and implementation	30min		

Chuyi Guo	Resource IM requirements	Discussion on the R3 Resource IM new requirements	30min		6.19_Resource IM...uirements-2 .pdf
ramki krishnan, Raghu Ranganathan	Edge Automation through ONAP	1) Casablanca M1 Planning 2) Topics for upcoming releases	1.5 hours		
Srinivasa Addepalli	K8S support in ONAP Multi-Cloud	K8S support in Multi-Cloud allows VNFs being placed in cloud regions that support Kubernetes control .This session introduces the Casablanca scope.	30min	Tuesday, Wednesday or Thursday	K8S_for_VNFs_An...Support_v2.pptx
ramki krishnan, Srinivasa Addepalli	ISTIO based Service mesh technology and Mutual TLS key security	Introduces how ISTIO can be leveraged in ONAP. We will briefly talk about the plans for ONAP and transition plans. Current plan is to make ISTIO service mesh available for few services and prove that it works. Also, plan is to secure the ISTIO CA keys as well envoy proxy keys using Hardware root of trust	1hour	Tuesday, Wednesday or Thursday	ISTIO-Envoy-MutualTLS_v2.pptx

Sharon Chisholm	An Introduction to POMBA	Post Orchestration Model-based Audit (POMBA) is a collection of tools that allows detection and reporting on data integrity issues in ONAP. It is capable of reporting on problems between SDC models and their instantiation within ONAP, as well as comparing ONAP inventory to what is found in primary data sources.	1 hour		
Catherine Lefevre, Gildas Lanilis, Seshu Kumar Mudiganti, Eric Debeau, Alla Goldner, Helen Chen, Chris Donley, Stephen Terrill, Kenny Paul, Jason Hunt, Brian Freeman, Tim O'Keefe Alex Vul, ramki krishnan	ONAP Beijing Retrospective and Lesson Learned	We would like to present Beijing Retrospective and Lesson Learned including an action plan proposal	30 mins		
Catherine Lefevre, Gildas Lanilis, Seshu Kumar Mudiganti, Eric Debeau, Alla Goldner, Helen Chen, Chris Donley, Stephen Terrill, Kenny Paul, Jason Hunt, Brian Freeman, Tim O'Keefe Alex Vul, ramki krishnan	Accelerate ONAP Release Cadence	We would like to present 3 different approaches to accelerate the ONAP release cadence	30 mins		

Jason Hunt	Platform Maturity (S3P) Planning for Casablanca	Review the feedback on how Platform Maturity (S3P) worked in Beijing. Suggested changes to requirements, levels, and supporting tools /projects. (NOTE: may require an agenda item on the TSC meeting for voting also)	60 mins	Tuesday or Wednesday (I am unavailable after noon Thursday)	Platform Maturity S3P Discussion 20June2018.pdf
Avi Chapnick, Andrew Baxter	ONAP Pluggable Security	Presentation of Pluggable Security Concept and Plans	60 mins		
Eric Multanen	ONAP "VNF Developer" Experience	Review the experience of starting with a functional VNF and getting it deployable using ONAP. What was easy vs hard when preparing a VNF package, installing ONAP, and using ONAP to onboard and deploy the VNF. Experience with multiple releases of ONAP will be covered (ideally). Conclude with recommendations for assisting the VNF developer to integrate with ONAP.	60 min		

Pawe Pawlak	DCAE operational perspective	Presentation of DCAE operational assessment from Orange - operator's perspective	30 min		
Samuli Kuusela	ONAP Security Risk Assessment	Workshop to identify ONAP security risks. The purpose is to produce a prioritized list of security improvements. The main focus in this WS is to identify risks (assets - threats - vulnerabilities - existing controls) with a creative, brainstorming WoW. Scope as decided in ONAP Security Sub-Committee: VID, External API, Controllers, DCAE, SO, UI componts: SDC and Use-Case UI, Portal.	Two times 2 hours	1st WS: Tuesday 2nd WS: Thursday Mornings preferred	Risk Assessment concepts, definitions, process: https://wiki.onap.org/download/attachments/11928162/ONAP%20Attack%20Vector%20Analysis%20-%20Overview%20of%20the%20Process.pptx?api=v2
Yang Xu wang zhenhua	Thoughts on ONAP Integration Debugging	ONAP integration debugging has been difficult and time-consuming. We explore some thoughts on how to make integration debugging easier.	30 min		

Chris Donley	Casablanca Architecture	Readout from the Architecture Subcommittee	60 min		
Chris Donley Steven Wright	VNF Compliance Testing	In this session, we will propose a strategy for launching VNF compliance testing as part of the LF Networking CVP.	30 min		
	Off-Site Dinner Hosted by Huawei		after sessions	Wednesday Evening	
Tal Liron	Containerized VNFs in ONAP	Kubernetes as a G-VNFM	30 mins		

Tal Liron	TOSCA on Kubernetes	The Puccini Project	30 mins		
Frank Zdarsky	ONAP on OpenShift	As an alternative to Rancher	30 mins		
Pasi Vaananen	ONAP distribution options for large scale networks / Network Edge	An overview of large-scale in-network Edge deployments & ONAP target architecture implications.	30 mins	Not Friday	
Fernando Oliveira Viswanath Kumar Skand Priya	Verizon thoughts and requirements for ONAP deployment	We would like to present Verizon thoughts ONAP and the requirements that we need in order to deploy ONAP in the Verizon network from a technical and operational viewpoint.	30 mins		

Stephen Terrill	Casablanca Security	A summary of the security sub-committee discussions and the resulting expectations for the Casablanca Release	30mins		2018-06 ONAP Se...ation- pa3.pptx
jianguo zeng	Proposal for ONAP to manage physical network in a abstract way	A proposal of how to driven ONAP platform capability (graph DB in DB, Service & service components , Homing of OOF etc) to support management of physical network.	30mins	Tuesday or Wednesday or Thursday	Physical network...roposal 0.3.pptx
Hui Deng	How to call chinese name	https://tools.ietf.org/html/draft-deng-chinese-names-05	15mins		How to call Chinese name v1.pdf
Hui Deng Lingli Deng Rittwik Jana	ONAP Modeling	Modeling progress and plan	20mins		

Brian Freeman, Prabhu Somasundaram	Controller Design Studio supporting SDNC and Generic L4-7 NF Controller	For the ONAP Beijing release, the APPC project delivered the CDT design tool to support the APPC model driven design approach. For the next ONAP releases, we are proposing to develop a common design tool to support both SDNC and Generic L4-7 NFs (APPC, VFC) Controller integrated with SDC. This common design tool, also called “Controller Design Studio”, will be built with associated data dictionary and an Ingredient Resource Resolution Micro service The common design tool models shall be backwards compatible to the current use cases supported in Amsterdam and Beijing release by Generic L4-7 NF (APP-C specific).	30 mins		
yaoguang wang Ulas Kozat Leilei Zhi Li Xiang	Change Management for life-cycle support from hybrid PNF and VNF management perspective	Presentation of change management requirements and thoughts on 5G hybrid PNF and VNF management	30 mins	Wednesday or Thursday	Change Management for life-cycle support from hybrid PNF and VNF management perspective_201806BeijingForum.pdf
Xu Yang	ONAP Resource Information Model	summary of recent ONAP resource information model discussion, and present ongoing discussion topics including scaling, run time model, etc.	30 mins		
Lingli Deng	ONAP Service Information Model	ONAP service information model progress and plan	30 mins		
Atsushi Makita(KDDI)	Anticipation for ONAP from Operation Support System Application Perspective	KDDI presents our anticipation for ONAP from the perspectives as follows; ?3 Main functions of eTOM ????Japanese Operator’s policy and issues ????Anticipation for ONAP	15 min (incl. Q&A)		
Seshu Kumar Mudiganti	ONAP SO - how to use and proposal on the way ahead	Introduce how to use SO and discussion on the road map ahaed.	20 mins	Tuesday, Wednesday or Thursday	

Kang Xi	New Features and Enhancement to SDC	We would like to propose several new features and enhancements to SDC related to workflow design, GUI enhancement, service template export/import /redesign, support of service design components, integration of A&AI schema and DG Builder, etc. Hopefully the proposed topics will trigger onsite and follow-up constructive discussions and lead to creating valuable items in the ONAP R3 development plan.	60 mins	Tuesday, Wednesday or Thursday	sdc-r3-enhancement-proposals-v2.pptx Unknown macro: 'viewppt'
Adrian OSullivan	ONAP Casablanca External API Framework Enhancements Proposal	I would like to discuss the future direction of the ONAP External API Framework and propose some new features and enhancements for the next releases. I would like to discuss how the ONAP external APIs may be leveraged by the ONAP Use Cases in Casablanca to deliver e-2-e Service Service Ordering and Inventory, potentially also incorporating MEF LSO INTERLUDE for ONAP Partner ONAP communication.	30 mins	Tuesday, Wednesday or Thursday	
Damian Nowak Tomasz Kaminski	Google Protocol Buffers as serialization method to transfer high-volume, low-latency event data.	We would like to present a performance comparison of JSON and GPB as data serialization methods to be used to transfer event data, based on selected real-life RAN use-case (real-time event data transfer).	45 mins	Wednesday or Thursday	
Benjamin Cheung	PNF Plug and Play (PnP) Enhancements and PNF Authentication (from 5G Use Cases)	5G RAN PNF PnP Enhancements (in SO, SDC, SDN-R, AAF, PRH, AAI, and, DCAE) and PNF Authentication	30 min	Wednesday or Thursday or Friday	PNFPlugnPlayCasablancaDevConf_14Jun2018v7.pdf

Benjamin Cheung Damian Nowak Tomasz Kaminski	Real-Time Performance Measurements (PM) delivery to ONAP (from 5G Use Cases)	High-volume data collection through new DCAE VES collector used by RAN Real-Time PM application	60 min	Wednesday or Thursday or Friday	Real Time PM--Beijing ONAP Conference_20Jun2018.pdf
Parviz Yegani Habib Madani	Real-Time Data Event Streaming and Processing (RESP)	RESP enhances the DCAE functionality by enabling fast data collection, event streaming, analytics and correlation of business and operational decisions. It also allows for fast performance measurements, usage and configuration data, trouble shooting and management; provides fast track results through pub/sub data event stream publications to the rest of the ONAP system for FCAPS and more.	60 min	Wednesday or Thursday or Friday	
Parviz Yegani	Casablanca Architecture and Long-term Vision (Tiger Team Update)	Presentation of an overview of the ONAP software stack migration towards a modular, model-driven and cloud-native architecture. For the long-term vision (spanning multiple releases) three complementary approaches are being considered: 1) Model-Driven Microservices; 2) Modular Microservices; and 3) Cloud-native Microservices design methodologies based on the "Service Mesh" techniques used in the cloud native world. Recommendations are given for taking the right steps to adapt the target architecture for the Casablanca time frame using the best practices leveraging the state-of-the-art cloud infrastructure.	60 min	Wednesday or Thursday or Friday	

xinhuili, Yan Yang Bin Sun	S3p improvement for Closed loop network service resilience	Presentation of knowledge sharing and project progress update about improvements made at scalability and performance. The presentation will also bring up long term view about End2End automation and service quality	45 mins	Wednesday or Thursday or Friday	
xinhuili Avi Chapnick Bin Yang Srinivasa Addepalli Tina Tsou	Multi VIM /Cloud progress and Proposals for next release	Introduce overview of Multi VIM/Cloud and discuss the roadmap.	20 mins	Wednesday or Thursday or Friday	
yaoguang wang Yan Li, Yijun Yu	External controller for 5G RAN configuration and optimization	Introduce how to leverage external controller to complete two key scenarios for 5G RAN, Configuration and Optimization. To meet that functionality, we will define what the external controller looks like. Corresponding configuration and optimization examples will also be introduced.	30 mins		

Sharon Chisholm	Resiliency and Geo-redundancy, lessons from SDNC	Starting in Beijing and continuing in Casablanca, we in SDNC leveraged Kubernetes to provide site resiliency and PROM/Music to provide a Geo-redundant active /standby solution with automatic detection of failures and triggering of change of site roles. This session will share the approach taken and lessons learned in the hopes that other components can benefit. In addition, it would be good to discuss component resiliency and redundancy in the context of ONAP as a whole.	1 hour		
Borislav Glozman	Discussion on projects involvement in OOM during Casablanca release	As OOM is responsible for deployment of all components, we need to find a process to continuously deploy latest components images and configuration. We need to discuss the different projects responsibilities for OOM updates, preserving coding standards and common helm charts structure.	1 hour	Wednesday or Thursday	
Shay Naeh	Edge life cycle orchestration using open source software stack	A nice demo of connected cars running on Cloudify Kubernetes Kubeless and Arkaino. Done together with AT&T	20-30 minutes	Tuesday or Wednesday	
Chris Donley	ARC: New project proposal review	Review session for new project proposals not covered during regular ARC calls	2 hours	Tuesday	

Evgeniy Zhukov	Edge Automation	ONAP Edge Computing SDO Alignment	40 min	Wednesday	
	Dotouch NFV Test Tools		30 m	Thursday	
Samuli Silvius	ONAP Offline deployment		30m/1h	Wednesday	
Manoj Nair Parviz Yegani	Modularity-Functional Decomposition		1 hr	Tuesday	Modularity-FunctionalDecomposition_Draft_v09.pdf
Oskar Malm	Bulk PM delivery to ONAP (from 5G use case)		1h	Wednesday	