ONAP Guilin Release – TSC Prioritization

Catherine Lefèvre & ONAP TSC

June 25, 2020

THE LINUX FOUNDATION

Agenda

- Timeline
- Requirements Summary
- TSC Prioritization
- Next Steps

Timeline

✓ *May 7th, 2020 – May 27th, 2020 - M0 Release Kick-Off – Gathering Release Candidate List*
✓ *June 25th - TSC Prioritization*

- July 9th - M1 Release Planning
- Aug 6th – M2/M3 Functionality/API Freeze
- Sept 10th – M4 Code Freeze
- Oct 1st –   RC0 Pair-wise Testing Completion
- Oct 15th – RC1 Final Docker for the Release
- Oct 29th, 2020 – RC2 Completion of E2E Automated Testing
- Nov 5th, 2020 – Sign-Off

Wiki link: Guilin Roadmap

Requirements Summary

52 Requirement Candidates:
- ✓ 4 Use Cases
- ✓ 23 Functional Requirements
- ✓ 25 Non-Functional Requirements

Major Use case/Functional requirements impacting >5 components:
- E2E Network Slicing (11)
- CCVPN-Transport Sliciing (7)
- CNF Orchestrator Enhancements (7)

Top Impacted Components (excl. Non Functional Requirements):
- SO (9)
- DCAE, SDNC (incl. SDN-R, C&PS) (8)
- AAI, CCSDK (incl. CDS), SDC (6)

Wiki Links:
- *Guilin Requirements*
- *Guilin Impact View per Component*

TSC Prioritization – RANKING

Priority Order:

- RANK #1 – TSC Must Have – Mandatory for the release
- RANK #2 – Continuity - Items continued from previous releases
- RANK #0 – Special GO - quick wins, fully covered by involved companies
- RANK #3 – PTL GO/NO GO – Items that PTLs is OK to include since team has bandwidth
- RANK #4 – NO GO OR Not yet Reviewed by TSC – items not approved for various reasons

TSC Prioritization – Summary

41 Requirements Approved by TSC
- 11x TSC Must Have (Non Functional Requirements)
- 12x Continuity (2x UseCases, 7x Functional Requirements, 3 Non Functional Requirements)
- 9x Special GO (Functional Requirements)
- 9x PTL GO/NO (1x Use Case, 1 Functional Requirements, 7 Non Functional Requirements)

11 Requirements Not Approved by TSC
- 4 NO GO for this release
- 7 Currently NO GO and Require Follow-Up with the TSC

TSC Prioritization – 11x TSC MUST HAVE

Non Functional Requirements

JIRA	Summary	Effort
REQ-366	Containers must crash properly when a failure occurs	M
REQ-365	Containers must have no more than one main process	M
REQ-323	Each project will update the vulnerable direct dependencies in their code base	XS
REQ-382	Support Pylog repository used by VF-C, Modeling, MultiCloud and OOF	M
REQ-380	ONAP container repository (nexus) must not contain upstream docker images	
REQ-379	ONAP projects must use only approved and verified base images for their containers	
REQ-373	ONAP must complete update of the Python language (from 2.7 -> 3.8)	M
REQ-362	All containers must run as non-root user	M
REQ-361	Continue hardcoded passwords removal	M
REQ-349	Each ONAP project shall define code coverage improvements and achieve at least 55% code coverage	XS
REQ-351	ONAP must complete update of the java language (from v8 -> v11)	M

Companies who have submitted Usecase/Functional requirements must help the project teams by implementing these requirements

Thank You in advance for Them !

TSC Prioritization – 12x Continuity

Use Cases

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement
REQ-347	CCVPN-Transport Slicing for Guilin Release	M	7	Huawei, CMCC, and Wipro
REQ-325	MDONS Extension in Guilin Release	M	5	Futjitsu

Functional Requirements

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement	
REQ-381	Bulk PM / PM Data Control Extension	M	1	Ericsson	
REQ-352	Extend ORAN A1 Adapter and add A1 Policy Management	L	2	Ericsson	
REQ-334	ETSI-Alignment for Guilin	M	5	Ericsson, Verizon, CMCC/ZTE, Samsung, Huawei	
REQ-327	ONAP/3GPP & O-RAN Alignment-Standards Defined Notifications over VES	M	2	Nokia	
REQ-326	Self Serve Control Loops	M	3	AT&T	
REQ-321	CMPv2 Enhancements for R7	M	2	Nokia	
REQ-322	Configuration & Persistency Service in R7	M	2	Ericsson, Nokia, AT&T, WiPro	

TSC Prioritization – 12x Continuity

Non - Functional Requirements

JIRA	Summary	Effort
REQ-357	ONAP shall increase the number of Docker Benchmark tests	M
REQ-356	ONAP shall increase the number of security tests performed during integration testing	M
REQ-358	No root (superuser) access to database from application container	M

TSC Prioritization – 9x TSC SPECIAL "GO"

Functional Requirements

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement	
REQ-388	Interactive documentation aligned with a deployment	S	1	Orange	
REQ-353	xNF License Management, Guilin R7	S	3	Ericsson, Nokia	
REQ-343	ONAP SO support Dynamic Orchestration	S	1	Huawei, Nokia	
REQ-341	ONAP CNF orchestration - Enhancements	M	7	Samsung, Intel, Huawei, Orange, AT&T, Lumina, T-Mobile, Aarna Networks	
REQ-332	CLAMP Deployment of Native Policies	S	1	AT&T	
REQ-331	Policy Based Filtering	S	1	AT&T, Ericsson	
REQ-320	5G Service Modeling in R7	M	N/A - Modeling only	Nokia, Ericsson	
REQ-319	PNF PreOnboarding in R7	S	1	Nokia, Ericsson, Est Tech	
REQ-318	PNF Plug & Play in R7	S	3	Nokia, Ericsson	

TSC Prioritization – 9x PTL GO/NO GO

Use Case

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement
REQ-342	E2E Network Slicing requirements for Guilin release	XL	12 including SDN-R, CDS and C&PS	CMCC, Wipro, Huawei, AT&T, Deutsche Telecom, TIM, QCT, Tech Mahindra, China Telecom, KDDI.

Functional Requirements

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement
REQ-324	Support xNF Software Upgrade in association to schema updates	L	4	Ericsson, Orange, AT&T

Non - Functional Requirements

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement
REQ-340	ONAP to support Multi - tenancy	M	5	Bell, Huawei, Amdocs

TSC Prioritization – 9x PTL GO/NO GO

Non - Functional Requirements

JIRA	Summary	Effort
REQ-374	ONAP shall use STDOUT for logs collection	M
REQ-369	Replace nfs share with storage class as a default deployment option	M
REQ-364	Replace NodePorts with ingress controller as a default deployment option	M
REQ-360	Application config should be fully prepared before starting the application container	M
REQ-350	Each ONAP project shall improve its CII Badging score by improving input validation and documenting it in their CII Badging site.	XS
REQ-359	Container rootfs must be mounted readOnly	M

TSC Prioritization – 4x NO GO

Non - Functional Requirements

JIRA	Summary	TSC Priority	Effort
REQ-376	Flow management must be activated for ONAP.	4	M
REQ-370	Components may use HTTP as server and client	4	M
REQ-363	ONAP components should be able to run without AAF and MSB	4	M
REQ-348	Requirements about ONAP installation result for Guilin release	4	M

TSC Prioritization – 7x Currently NO GO – Need Info

Functional Requirements

JIRA	Summary	Effort	#Component Code Impacted	Company Engagement
REQ-345	5G OOF SON use case requirements for Guilin release	M	5 including SDN-R/C&PS	Wipro
REQ-339	Container Network Function Test Platform (CNTP): OVP 2.0 support and Enable Network Service testing	M	2	Huawei
REQ-338	Support for Test Result Auto Analysis & Certification （NFV Testing Automatic Platform）	M	1	China Mobile, Huawei
REQ-337	Support for Test Task Auto Execution （NFV Testing Automatic Platform）	L	2	China Mobile, Huawei
REQ-336	Support for Test Environment Auto Deploy （NFV Testing Automatic Platform）	M	1	China Mobile
REQ-335	Support for Test Topology Auto Design （NFV Testing Automatic Platform）	M	1	China Mobile, Amdocs
REQ-329	Guilin-R7 - Support for Intent-based Network	XL	5	China Telecom, CMCC, Huawei

Next Steps

✓ *7x Follow-Up with the TSC no later <u>than June 30th, 2020</u>*

<u>Before July 9th, 2020 (M1)</u>
✓ *Requirement Owners to finalize the remaining Architecture Review(s)*
✓ *Requirement Owners to identify their Non-Functional Contribution to the project team*
✓ *Requirement Owners to provide test criteria regarding their UseCase/Functional Requirements*
✓ *PTLs to prepare their M1 Commitments (JIRA Management – Assign Issues to Guilin Release)*
   working closely with Requirements Owners considering the Guilin Timeline, #Committers, Company Engagement
✓ *PTLs to schedule their Project Lifecycle Review with the TSC*
✓ *PTLs Agreement concerning CI enforcement (What and When) – First discussion on 6/29*

Any Concern: Bring it as soon as you can to our Release Manager – David McBride