

# 2020-12-02 - [CNTT - RM Workstream Master] Agenda and Meeting Minutes

Zoom link:

<https://zoom.us/j/997256543?pwd=MWptM0F0Y1NpckhFVUgrZnM2TkJ0Zz09>

Attendees:

Please add your name in here:

- [Walter Kozlowski](#) (Telstra)
- [Pankaj Goyal](#) (AT&T)
- [Tomas Fredberg](#) (Ericsson)
- [Karine Sevilla](#) (Orange)
- [Tom Van Pelt](#) (GSMA)
- [Toshiyasu Wakayama](#) (KDDI)
- [Petar Torre](#) (Intel)
- [Suresh Krishnan](#) (Kaloom)
- [Trevor Cooper](#) (Intel)
- [Sukhdev Kapur](#) (Juniper)
- [Mehmet Toy](#) (Verizon)

Agenda:

- [Linux Foundation Anti-Trust Policy Not](#)
- [GSMA Anti-Trust Policy Notice](#)
- Recording Policies:
  - <https://zoom.us/rec/play/uMAuluyogG43EtWS4QSDAf4oW9XsKP2s1CQW-fYNzXu3VSIGN1L3Z7YSNOX-H7MYUyogBuINABoVavXq?autoplay=true&startTime=1589371628000>JuniperMeeting Recording:
- Agenda bashing:
- Agenda
  - New time for RM meetings: Wednesdays, 8:00pm UTC, 9:00pm CET, 12:00 pm California, 7:00 am (Thursday) Melbourne
  - Anuket/Meld: Interim TSC update: [Anuket Interim TSC](#)
  - Next vF2F conference in February 2021: topics are required: Feb vF2F Feb 1-4: [2021 February LFN Developer & Testing Forum](#)
  - Next release (**Elbrus**) **M3 - 15 January 2021: Update on Elbrus Issues and PRs progress/actions and PRIORITIZATION**
  - **MVP: means that we should have an almost ready contents by 20 December 2020**

Network /Hardware Management	Hardware Infrastructure Management: function and APIs	<b>Tomas,</b> Walter	Hi gh M VP	Agreed  <b>Issue 2050</b>  <b>Requirements for NBI from HIM: work in progress</b>  <b>Some contents will be available next week</b>  <b>Planned for the week of 7th Dec</b>
	Primary & secondary networking	<b>Tomas,</b> Suresh, Gergely	M ed ium M VP	Probably RA-2 topic, discuss with Tom K. Gergely, Georg Kunz, whether RM can help (prob general guidance and requirements)  <b>Issue 2085: work in progress</b>  <b>Some contents will be available next week</b>  <b>Planned for the week of 7th Dec</b>
Operations	Security (workloads and infrastructure) - alignment with ONAP	<b>Karine,</b> Amy, Pankaj	Hi gh M VP	Agreed  <b>CNCF - Cloud Native Security White Paper</b> - <a href="https://github.com/cnct/sig-security/blob/master/security-whitepaper/cloud-native-security-whitepaper.md">https://github.com/cnct/sig-security/blob/master/security-whitepaper/cloud-native-security-whitepaper.md</a>  <b>More relevant for RA-2, not RM</b>  <b>Karine reviewing FS.31 and FS.40 from GSMA FASG from the possible alignment perspective</b>

	Operations and Life-cycle Management		High Medium VP	<p>Action: Issue 2086; identify gaps in Chapter 9 - open for comments</p> <p>Proposed new structure of Chapter 9</p> <p>9.1 Introduction (Walter, PR#2114 for review, further updates)</p> <p>9.2 Configuration and Lifecycle Management (includes closed loop automation, Change Control)</p> <p>9.3 Assurance</p> <p>9.3.3 Assurance Overview (as is now)</p> <p>9.3.2 Observability (Sukhdev)</p> <p>9.3.3 Telemetry (Sukhdev)</p> <p>9.4 Capacity Management (as is now)</p> <p>9.5 Automation</p> <p>9.5.1 Infrastructure LCM Automation (including Platform Software and CI/CD) (Saad) - End-2-End understanding of what type of automation ought to be done on what layers and includes</p> <ul style="list-style-type: none"> <li>hardware configuration CI/CD</li> <li>networking automation</li> <li>software development CI/CD</li> <li>software deployment CI/CD (operator environment)</li> <li>Identify "Closed Loop Automation" as a Gap in Ch10</li> </ul> <p>9.5.2 Application LCM Automation Workload onboarding automation (including CI/CD) (Saad) includes</p> <ul style="list-style-type: none"> <li>workload onboarding automation - the scope for RM is to describe support only but leave the details to RA/RI;</li> <li>RM will state the requirements including for CI/CD for ensuring software security scans, image integrity checks, OS version checks, etc. prior to deployment -</li> <li>the tenant processes for application LCM (such as updates) are out of scope</li> </ul> <p>9.5.3 Tenant creation automation</p> <ul style="list-style-type: none"> <li>requirements for enterprise processes prior to tenant creation on the platform</li> <li>networking automation</li> </ul> <p>Security Automation =&gt; Chapter 7, Security; but compare with Observability/Telemetry</p> <p>Networking Automation =&gt; Section 4.3 Networking; but cloud level automation networking aspects may be in Chapter 9</p>
	Automation (closed loop automation)		Medium	<p>Should be in part in LCM (Chapter 9) - Issue 2087</p> <p>Proposed to include into Chapter 9 (see above)</p>
	Observability/telemetry	Sukhdev, Zlatko, Petar	Medium VP	<p>Issue 2052 contains a link to a google document: <a href="https://docs.google.com/document/d/1BJRTIPVOs7vqZvmd65CWx0vJU3YCGcq5McVyyxdXoY/edit?usp=sharing">https://docs.google.com/document/d/1BJRTIPVOs7vqZvmd65CWx0vJU3YCGcq5McVyyxdXoY/edit?usp=sharing</a></p> <p>All: please add comments there</p>
Acceleration	Hardware acceleration abstraction	Petar, Tomas, Per, Walter	High Medium VP	<p>Issue 2051; open for comments</p> <p>PR# 2115 to create a structure</p> <p>Initial text work in progress, plan to share within the week of 7th of Dec 2020</p>
	Compute node acceleration (incl smartNICs, GPU, etc)			TBA
	Programmable fabric			TBA
	Network acceleration			TBA
Storage		Karine, Petar	Medium	<p>Needed a structure</p> <p>Further details needed (all classes of storage)</p> <p>Issue 2056: Need contributors and expertise <a href="https://etherpad.opendev.org/p/ecg-vptg-october-2020">https://etherpad.opendev.org/p/ecg-vptg-october-2020</a> it has a link to the June PTG notes</p> <p>Action: Beth to provide a structure (PTG etherpad can be used)</p>
Special use cases	Load balancing	Per, Sukhdev	Medium	<p>Issue 2095: Per to provide concept description for comments</p>

	Mutual discovery (workloads/infrastructure)	<b>Sukhdev,</b> Tomas	M ed ium	<b>Issue 2088; Sukhdev to add the concept description for comments</b>
	Service function chaining	<b>Suresh,</b> Sukhdev	M ed ium  <b>M VP</b>	<b>Issue 2089; text in Issue</b>  <b>Action: All to review and comments from the Team</b>
Model for Enterprise Cloud and Edge		<b>Walter,</b> Pankaj, Ahmed	M ed ium  <b>M VP</b>	<b>Issue 2049: Multi/hybrid cloud from Data Centre to Edge; review and update the contents in Wiki:</b>  <b>Action: All to review and add comments:</b>  <a href="#">CNTT Hybrid Multi-Cloud Architecture - Scenario, CNTT Edge Architecture</a>  Proposal: Use Chapter 8 for this topic including Edge  Discussion point: proposal for extend to PaaS view (generic) - see Action Point on Pankaj /Walter/Petar
Alignment with ONAP	Investigate topics other than security	<b>Petar</b>	Low	Petar to present to RM meeting
Alignment with GSMA OPG	Investigate alignment points	<b>Walter</b>	Low	Depends on outcomes of joint OITF and OPG meetings
Alignment with ORAN?	Influence ORAN regarding telco cloud			Tomas raised this question as he participates in WG 6. <b>Karine to find out how we could discuss possible dependences, alignments, cloud principles....</b>
Alignment with ODIM		<b>Martin</b>		Bring to this meeting the actions, comments from previous sessions and vF2F
Granularity of RM profiles				<b>Issue 2068</b>  <b>Action: Walter to invite Tom K to present the view</b>
REview of RM Chapter 2		<b>All</b>		<b>Issues 2067, 2067</b>

## Actions:

- Updates on collaboration and relevant events:
  - OITF: Reference Model published as an official GSMA document NG.126: <https://www.gsma.com/newsroom/wp-content/uploads/NG.126-v1.0.pdf>
  - GSMA OITF/OPG collaboration update (background on OPG: <https://www.gsma.com/operatorplatform/>)
  - GSMA Telco Edge Cloud (TEC) white paper: <https://infocentre2.gsma.com/gp/pr/FNW/UTEC/Pages/Default.aspx>
  - O-RAN (WG 6) collaboration ver 2 of the design document (Cloud Platform) will be finalised by the end of November (reference conformance for K8s) - Karine will inform the RM team
  - Akraino proposed collaboration on Edge; RA-1 and RA-2 implementations (R1x) may be of interest fro Akraino; Beth volunteered to participate in one of the meetings (Sukhdev to organise), **17 Dec 2020, at 7am Pacific Time, link to follow**
  - Cloud Native Network Functions (CNF) Working Group: <https://github.com/cnct/cnf-conformance/pull/450>,
- **All: topics for Feb F2F, please prepare for the discussion for the next RM meeting**
- **Pankaj/Walter/Petar: prepare discussion point regarding the discussion on extending the scope of CNTT RM "from IaaS to PaaS"**

## Minutes:

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