

# 2020-11-25 - [CNTT - RM Workstream Master] Agenda and Meeting Minutes

Zoom link:

<https://zoom.us/j/997256543?pwd=MWptM0F0Y1NpckhFVUgrZnM2TkJOZz09>

Attendees:

Please add your name in here:

- [Walter Kozlowski](#) (Telstra)
- [Pankaj Goyal](#) (AT&T)
- [Sukhdev Kapur](#) (Juniper)
- [Tomas Fredberg](#) (Ericsson)
- [Per Andersson](#) (Kaloomb)
- [Suresh Krishnan](#) (Kaloomb)
- [Petar Torre](#) (Intel)
- [Saad Sheikh](#) (STC)
- [Karine Sevilla](#) (Orange)
- [Tom Van Pelt](#) (GSMA)
- [Toshiyasu Wakayama](#) (KDDI)
- [@Mehmet Toy](#) (Verizon)
- [Ahmed El Sawaf](#) (stc)

Agenda:

- [Linux Foundation Anti-Trust Policy Not](#)
- [GSMA Anti-Trust Policy Notice](#)
- Recording Policies:
  - <https://zoom.us/rec/play/uMAuluyogG43EtWS4QSDAf4oW9XsKP2s1CQW-fYNzXu3VSIGN1L3Z7YSNOX-H7MYUyogBulNABoVavXq?autoplay=true&startTime=1589371628000>
- Meeting Recording:
  -
- Agenda bashing:
  - Meeting on Hybrid Multi-cloud model and relation to OPG model, after this RM meeting: <https://attcorp.webex.com/join/pg683k>, CNTT Hybrid Multi-Cloud Architecture - Scenario | Please use CNTT RM PR #2118
- 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 Transition TSC](#)
  - Next vF2F conference in February 2021: topics are required: Feb vF2F Feb 1-4: [2021 February LFN Developer & Testing Forum](#)
  - 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 (RIx) may be of interest fro Akraino; Beth volunteered to participate in one of the meetings (Sukhdev to organise)
    - Cloud Native Network Functions (CNF) Working Group: <https://github.com/cnfc/cnf-conformance/pull/450>, if you want to join use this link:
  - 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	Tomas, Walter	Hi gh MVP	Agreed Issue 2050 Requirements for NBI from HIM: work in progress Some contents will be available next week
------------------------------	---	---------------	-----------	--

	Primary & secondary networking	<b>Tomas,</b> Suresh, Gergely	M e d i u m  M V P	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>
Operations	Security (workloads and infrastructure) - alignment with ONAP	<b>Karine,</b> Amy, Pankaj	H i g h  M V P	Agreed  <b>CNCF - Cloud Native Security White Paper</b> - <a href="https://github.com/cncf/sig-security/blob/master/security-whitepaper/cloud-native-security-whitepaper.md">https://github.com/cncf/sig-security/blob/master/security-whitepaper/cloud-native-security-whitepaper.md</a>  <b>More relevant for RA-2, not RM</b>
	Life-cycle Management (infrastructure)	<b>Walter,</b> Karine, Pankaj, Per, Uli	M e d i u m	Upgradeability, migration  <b>Action: Issue 2086; identify gaps in Chapter 9 - open for comments</b>  <b>Chapter 9 contains:</b> <ul style="list-style-type: none"> <li>• Configuration Management</li> <li>• A bit of Assurance</li> <li>• Few sentences on Capacity Management</li> </ul> <b>Gaps:</b> <ul style="list-style-type: none"> <li>• Incident Management (Walter)</li> <li>• Problem Management(Walter)</li> <li>• Change Management (including Infrastructure Refresh)(Walter)</li> <li>• Monitoring</li> <li>• Audit</li> <li>• Disaster Recovery</li> <li>• CI/CD (Scott + Pankaj)</li> </ul>
	Automation (closed loop automation)	Scott, <b>Pankaj,</b> <b>Saad,</b> Tomas, Walter	M e d i u m	<b>Should be in part in LCM (Chapter 9) - identify topics - open for comments; Issue 2087</b>  <b>Action: identify gaps</b> <ul style="list-style-type: none"> <li>• Infrastructure build automation (Part of RI-1 and RI-2) define process in RM</li> <li>• Tenancy creation automation</li> <li>• Workload onboarding automation</li> <li>• CI/CD Automation (Application Lifecycle automation) (Scott + Pankaj)</li> <li>• Close loop automation</li> <li>• Security automation</li> <li>• Networking</li> </ul> <b>Action: Anyone who wants to pick up any of these topics - please raise your hand</b>  <b>Action: Please send email with your interest to Pankaj <a href="mailto:pgoyal@att.com">pgoyal@att.com</a>, who will organise a call to discuss</b>
	Observability/telemetry	<b>Sukhdev,</b> Zlatko, Petar	M e d i u m  M V P	Issue 2052 contains a link to a google document: <a href="https://docs.google.com/document/d/1BJRTIPV0s7vqZvmd65CWx0vJU3YCGcq5McVyyxdXoY/edit?usp=sharing">https://docs.google.com/document/d/1BJRTIPV0s7vqZvmd65CWx0vJU3YCGcq5McVyyxdXoY/edit?usp=sharing</a>  <b>All: please add comments there</b>
Acceleration	Hardware acceleration abstraction	<b>Petar,</b> Tomas, Per, Walter	H i g h  M V P	<b>Issue 2051; open for comments</b>  <b>Initial text work in progress, plan to share within a week</b>
	Compute node acceleration (incl smartNICs, GPU, etc)			TBA
	Programmable fabric			TBA
	Network acceleration			TBA

Storage		Karine, Petar	M e d i u m	<p>Needed a structure</p> <p>Further details needed (all classes of storage)</p> <p><b>Issue 2056: Need contributors and expertise</b> <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><b>Action: Beth to provide a structure (PTG etherpad can be used)</b></p>
Special use cases	Load balancing	Per, Sukhdev	M e d i u m	<b>Issue 2095: Per to provide concept description for comments</b>
	Mutual discovery (workloads/infrastructure)	Sukhdev, Tomas	M e d i u m	<b>Issue 2088: Sukhdev to add the concept description for comments</b>
	Service function chaining	Suresh, Sukhdev	M e d i u m  M V P	<p><b>Issue 2089; text in Issue</b></p> <p><b>Action: review and comments from the Team</b></p>
Model for Enterprise Cloud		Walter, Pankaj, Ahmed	M e d i u m  M V P	<p><b>Issue 2049: Multi/hybrid cloud from Data Centre to Edge; review and update the contents in Wiki:</b></p> <p><b>Action: All to review and add comments:</b></p> <p><a href="#">CNTT Hybrid Multi-Cloud Architecture - Scenario, CNTT Edge Architecture</a></p>
Alignment with ONAP	Investigate topics other than security	Petar	L o w	Petar to present to RM meeting
Alignment with GSMA OPG	Investigate alignment points	Walter	L o w	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		Martin		Bring to this meeting the actions, comments from previous sessions and vF2F
Granularity of RM profiles				<p><b>Issue 2068</b></p> <p><b>Action: Walter to invite Tom K to present the view</b></p>
REview of RM Chapter 2		All		<b>Issues 2067, 2067</b>

Actions:

Minutes:

1.