

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**

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|------------------------------|---|-------------------------------------|---|--|
| Network /Hardware Management | Hardware Infrastructure Management: function and APIs | Tomas, Walter | Hi gh M VP | Agreed Issue 2050 Requirements for NBI from HIM: work in progress Some contents will be available next week Planned for the week of 7th Dec |
| | Primary & secondary networking | Tomas, 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) Issue 2085: work in progress Some contents will be available next week Planned for the week of 7th Dec |
| Operations | Security (workloads and infrastructure) - alignment with ONAP | Karine, Amy, Pankaj | Hi gh M VP | Agreed CNCF - Cloud Native Security White Paper - https://github.com/cnct/sig-security/blob/master/security-whitepaper/cloud-native-security-whitepaper.md More relevant for RA-2, not RM Karine reviewing FS.31 and FS.40 from GSMA FASG from the possible alignment perspective |

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|-------------------|--|---------------------------|----------------------|--|
| | 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"> hardware configuration CI/CD networking automation software development CI/CD software deployment CI/CD (operator environment) Identify "Closed Loop Automation" as a Gap in Ch10 <p>9.5.2 Application LCM Automation Workload onboarding automation (including CI/CD) (Saad) includes</p> <ul style="list-style-type: none"> workload onboarding automation - the scope for RM is to describe support only but leave the details to RA/RI; RM will state the requirements including for CI/CD for ensuring software security scans, image integrity checks, OS version checks, etc. prior to deployment - the tenant processes for application LCM (such as updates) are out of scope <p>9.5.3 Tenant creation automation</p> <ul style="list-style-type: none"> requirements for enterprise processes prior to tenant creation on the platform networking automation <p>Security Automation => Chapter 7, Security; but compare with Observability/Telemetry</p> <p>Networking Automation => 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: https://docs.google.com/document/d/1BJRTIPVOs7vqZvmd65CWx0vJU3YCGcq5McVyyxdXoY/edit?usp=sharing</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 https://etherpad.opendev.org/p/ecg-vptg-october-2020 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> |

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| | Mutual discovery (workloads/infrastructure) | Sukhdev, Tomas | M ed ium | Issue 2088; Sukhdev to add the concept description for comments |
| | Service function chaining | Suresh, Sukhdev | M ed ium M VP | Issue 2089; text in Issue Action: All to review and comments from the Team |
| Model for Enterprise Cloud and Edge | | Walter, Pankaj, Ahmed | M ed ium M VP | Issue 2049: Multi/hybrid cloud from Data Centre to Edge; review and update the contents in Wiki: Action: All to review and add comments: CNTT Hybrid Multi-Cloud Architecture - Scenario, CNTT Edge Architecture 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 | Petar | Low | Petar to present to RM meeting |
| Alignment with GSMA OPG | Investigate alignment points | Walter | 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. Karine to find out how we could discuss possible dependences, alignments, cloud principles.... |
| Alignment with ODIM | | Martin | | Bring to this meeting the actions, comments from previous sessions and vF2F |
| Granularity of RM profiles | | | | Issue 2068 Action: Walter to invite Tom K to present the view |
| REview of RM Chapter 2 | | All | | Issues 2067, 2067 |

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:

1.