

Meeting of the Technical Steering Committee of the Akraino Edge Stack Project

November 12th , 2019



TSC Voting Member Roll Call

| SL No. | Member Company | Voting Member | Contact Information | Present |
|--------|------------------|------------------|---------------------------------|---------|
| 1 | AT&T | Kandan Kathirvel | kk0563@att.com | |
| 2 | Nokia | Tapio Tallgren | tapio.tallgren@nokia.com | x |
| 3 | Ericsson | Andrew Wilkinson | andrew.wilkinson@ericsson.com | x |
| 4 | Arm | Tina Tsou | tina.tsou@arm.com | x |
| 5 | Intel | Srini Addepalli | srinivasa.r.addepalli@intel.com | x |
| 6 | RedHat | Frank Zdarsky | fzdarsky@redhat.com | |
| 7 | Juniper Networks | Sukhdev Kapur | sukhdev@juniper.net | |
| 8 | Baidu | Henchun Zhang | zhanghechun@baidu.com | |
| 9 | Didi US Labs | Ken Yi | kenyi@didiglobal.com | |
| 10 | Tencent | Mark Shan | markshan@tencent.com | x |
| 11 | Wind River | Dariusz Eslimi | dariusz.eslimi@windriver.com | |
| 12 | MobileEdgeX | Vikram Siwach | vikram.siwach@mobiledegex.com | |
| 13 | InwinStack | Thor Chin | thor.c@inwinstack.com | |
| 14 | Vmware | Xinhui | lxinhui@vmware.com | x |
| 15 | Huawei | Khemendra Kumar | khemendra.kumar13@gmail.com | |

Agenda Items

- › Communications Plans for R2 Blueprints – Jill Lovato
- › TSC Review of Blueprints for R2 Release - Andrew
- › Review of Automating CD Logs Upload in LF Nexus - Andrew
- › 11/18/2019 Akraino 5G MEC Hackathon - Tina
- › Call for Volunteers: LF Edge - TAC Architecture Working Group
- › Committer Rights E-Vote Reminder
- › PTL Updates

Communications Plans for R2 Blueprints

- › R2 template has been posted in the link below
- › <https://wiki.akraino.org/display/AK/Release+2+BP+Data+Sheet>

TSC Review of Blueprints for R2 Release

- › A pre-requisite for scheduling the final TSC review for inclusion as Self-Certified in R2 is first passing:
 - › (1) Documentation Sub-committee review, and
 - › (2) Use Case/Installation Procedure/Deployment log review
 - › A review that the BP being included in R2 supports the use case for it was originally approved for
 - › The installation document describes a replicable deployment by others
 - › A review of the identified CD log(s) demonstrate a successful deployment of all layers of the BP (HW+SW)
- › Review (2) will be conducted by a team comprising of TSC Chair, TSC Co-Chair, Sub-Committee Chairs and the PTL of the Blueprint under review
 - › Starting November 13th and every weekday thereafter until November 26th (no meetings on December 14th and 20th)
 - › The PTL for each BP will be asked to run through their identified deployment log explaining how it shows a successful deployment of each BP's HW and SW
 - › There must be a deployment log per blueprint for its physical deployment
 - › PTLs must upload their CD Log(s) URL, link to one page executive-level description of their blueprint, date they will be ready for TSC review, by updating the table in the link below
<https://wiki.akraino.org/display/AK/Release+2+Planning>
- › Final list of approved blueprints for R2 will be published end of November

Automating CD Logs Upload in LF Nexus

- › Blueprints are required to demonstrate automated upload of their CD logs to LF Nexus
- › Link below has details on how to Push Logs to Nexus
<https://wiki.akraino.org/display/AK/How+to%3A+Push+Logs+to+Nexus>

11/18/2019 Akraino 5G MEC Hackathon

- › Please sign up at the new Cvent link for Akraino 5G Hackathon <https://www.cvent.com/m-events/Register/IdentityConfirmation?e=7bec0021-5604-4291-b87d-7f18da243233>
- › More details about Akraino 5G MEC Hackathon are available at including registering for Nov 11th introductory webinar : <https://wiki.akraino.org/pages/viewpage.action?pageId=11996594>

Call for Volunteers: LF Edge - TAC Architecture Working Group

› **From:** <TAC@lists.lfedge.org> on behalf of Brett Preston <bpreston@linuxfoundation.org>
Date: Wednesday, November 6, 2019 at 9:41 AM
To: "TAC@lists.lfedge.org Calendar" <TAC@lists.lfedge.org>
Subject: [TAC] Call for Volunteers: LF Edge - TAC Architecture Working Group

Members of the LF Edge Technical Community,

As discussed during today's TAC meeting, the group will be forming a Working Group to address two of the TAC Focus Areas identified for 2020:

Architecture (Tech > LF Edge) - Output: TBD (White paper?)

Forcing function - Use Case or Deployment > Demo across all projects

Per discussion on the call, #2 could take the shape of multiple cross-project demos.

Target date for roll out of the cross-project demo(s) was set as ONES (April 2020).

If you would like to volunteer to help shape the above, please subscribe to the mail list at <https://lists.lfedge.org/g/TAC-Architecture-WG>

Next week, I will send a Doodle poll to those on the mailing list to capture availabilities for a kick-off meeting.

Thank you,

Brett

Brett Preston

Sr. Program Manager

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PTL Update

> PTLs to provide updates on the status of the Blueprints and Feature Projects

| Blueprint | Winner of PTL Election |
|-------------------------------------|-------------------------|
| SEBA | Julie Lorentzen – AT&T |
| Serverless | Itamar Eshet- AT&T |
| Unicycle SR-IOV | David Plunkett- AT&T |
| Rover | David Plunkett- AT&T |
| Unicycle OVS-DPDK | Jeff Collins - Ericsson |
| Tungsten Fabric | Sukdev Kapur - Juniper |
| Edge Video Processing | Adnan Saleem- Radisys |
| Enterprise Edge Lightweight and IoT | Khemendra Kumar- Huawei |
| ELIOT SD-WAN/WAN Edge/uCPE | Khemendra Kumar- Huawei |
| IEC Type 1 | Trevor Tao (ARM) |
| IEC Type 2 | Xinhuli (VMWare) |
| IEC Type 4 | Wenping Ying (HTC) |
| Industrial Edge | Yolanda Robla – Red Hat |
| Provider Access Edge | Yolada Robla – Red Hat |
| Micro MEC | Tapio Tallgren- Nokia |
| Radio Edge Cloud | Paul Carver- AT&T |
| Starling X | Bill Zvonar- Wind River |
| Time Critical Edge | Shane Dewing- Intel |
| Connected Vehicle | Robert Qiu- Tencent |

| Blueprint | Winner of PTL Elected |
|---|-----------------------------------|
| AI/ML and AR/VR Apps for Edge | Vikram Siwach - MobileEdgeX |
| Integrated Cloud Native NFV/App Stack | Kuralamudhan Ramakrishnan - Intel |
| ELIOT AIoT in Smart Office Blueprint | Guoxu (Jeremy) Liu |
| 5G MEC/Slice System to Support Cloud Gaming, HD Video and Live Broadcasting | Feng Yang -Tencent |
| The AI Edge – School/Education Video Security Monitoring | Hechun Zhang - Baidu |

| Feature Project | Winner of PTL Elected |
|---|------------------------|
| Akraino Portal | Mike Hunter – AT&T |
| Cluster Health & Overload Monitoring Platform (CHOMP) | Mike Hunter – AT&T |
| Support of OVS-DPK in Airship | Georg Kunz – Ericsson |
| Blueprint Validation Framework | Tapio Tallgren - Nokia |
| Akraino Profiling | Helloway He - Huawei |
| Regional Controller | Bob Eby – AT&T |
| API Gateway | Thor Chin - Inwinstack |
| MEC API Framework | Lokanath Padhu - Nokia |
| Backup and Restore (Snappy) | Josh Auzins - AT&T |