Meeting of the **T**echnical **S**teering **C**ommittee of the Akraino Edge Stack Project

May 9th, 2019

TSC Voting Member Roll Call

Member Company	Voting Member Name	Contact info
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Agenda

- Release 1 Promotion
- Release 1 Candidate Presentation Schedule
- TSC Voting Decisions
  - Vote #1: Regional Controller
  - Vote #2: Akraino Profiling
- AI/ML and AR/VR Applications at Edge Presentation
- IEC Type 2 Presentation
- Sub-Committee Update

Release 1 Promotion

Blog Post – Linux Foundation to send out blog post questionnaire.

Overview Template- Brief standardized summary
To be filled out by May 20th

Brainstorm on other promotional material

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Release 1 Candidate Presentation Schedule

May 2019				
Mon	Tues	Wed	Thurs	Fri
29	30	1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30 Release 1	31

Designated R1 blueprint presentation dates

May 28th, TSC Meeting will extend to 2 hours long. Jill and Brett will be included to close out Marketing items.

Regional Controller Vote to Incubation

Feature	Description	Companies Participating / Committers	Requested Release Timeline	Informational
Akraino Regional Controller	The current Akraino Portal provides a user interface and a collection of workflows and services to execute the actions requested by the user. This proposal is to separate the workflows and services from the portal user interface so that actions can be performed through the portal, direct REST calls from an external orchestration tool, or a CLI that could be developed as part of a different feature project.	AT&T	R1	Impacted Blueprint Family - Network Cloud and Radio Edge Cloud

Regional Controller Wiki Page

Akraino Profiling Vote to Incubation

Feature	Description	Companies Participating/ Committers	Requested Release / Timeline	Informational
Akraino Profiling	Akraino Profiling to provide the exposed metrics data that are compliant with the OpenMetrics standard to unify the end-to-end metric format for edge computing scenarios. 1.Pre-analysis - Analyze which metrics data required to be monitored, then aggregate them into the requirement document; (Preliminarily plan to focus on IOT scenario). 2. Exporter -- Collect metrics data from the monitored object and expose them to the monitoring systems in OpenMetrics standard format. (Compliant with the OpenMetrics) Analyze which exporters need to be add/redevelop/updated according to the metrics requirement document, then develop them. 3. Adapter (optional, pluggable and dynamically loaded component) -- Convert OpenMetrics metrics data exposed by exporters to their own proprietary format that can be directly processed by those monitoring systems. (Compatible with OpenMetrics) Analyze which BP monitoring systems need to develop the adapter: • If the BP monitoring system can't directly process the metric data which follow the OpenMetrics format standard, it needs to develop the adapter to do metric format transformation to dock with it. • Otherwise, there is no need to develop the adapter for the monitoring system of the blueprint that can directly process the OpenMetrics metric data. 4.Integration - To develop scripts based on ansible/helm to integrate Profiling into each BP, i.e., deploy the exporters and converters that BP needs, and then validate in the Akraino environment. 5.Future plans to extend to more Akraino Blueprint Families/BPs.	Huawei ARM	R2	Impacted Blueprint Family – Applies to all BP Families and Blueprints See next slide for additional details

Link to Akraino Profiling Wiki

AI/ML and AR/VR Applications Blueprint

- Sukhdev Kapur, Juniper
- Link to Presentation
- (Please keep presentation to 10 minutes and cover highlights)

IEC Type 2

- Xinhui Li
- Link to Presentation
- (Please keep presentation to 10 minutes and cover highlights)

Sub-Committee Updates

Sub-Committee	Chair	Notes:
Upstream	Wenjing Chu	
Process	Andrew Wilkinson	
CI and Blueprint Validation Lab	Cesar Berho	
Community	Tapio Tallgren	
Documentation	Sujata Tibrewala	
Security	Ken Yi	
API	Vikram Siwach	