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

April 18th, 2019
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Agenda

› Connected Vehicle PTL Election
› Release 1 Milestones Voting
› TSC Voting Decisions
   › Vote #1: Production Deployable TCD Clarification
   › Vote #2: Graduation
   › Vote #3: Layer Based Graduation Testing
› Incubation Review Graduation Recommendations
› LF Tool Overview
› Sub-Committee Update
On April 17th, Robert Qiu officially elected to be the project technical lead.

https://wiki.akraino.org/display/AK/Team+Members
### Release 1 Milestones Voting (wiki link)

- Simplified Milestone names reflecting the Intent
- Reduced the number of Milestones

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<thead>
<tr>
<th>MBI0</th>
<th>MBI1</th>
<th>MBI2</th>
<th>MBI3</th>
<th>MBI4</th>
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<td><strong>Project Induction</strong></td>
<td><strong>Kick Off</strong></td>
<td><strong>Planning &amp; Progress</strong></td>
<td><strong>CI/CD Validation</strong></td>
<td><strong>BP ready for consumption by users</strong></td>
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- Blue Print is voted by TSC as an Akraino Blueprint.
- The project is defined and approved by TSC vote to enter incubation stage (**Incubation Review**).
- At least two committers identified.

**MBI1**

- First regular community call held.
- Recurring meeting should have been setup and details appear in the BP community meeting calendar: [https://lists.akraino.org/g/blueprints/calendar](https://lists.akraino.org/g/blueprints/calendar).

**MBI2**

- Either LF CD or external validation lab identified and fully documented by the project.
- Identify team working on features & testing code repo established and development has been progressed to a state of fully installable BP.
- Optionally determine the target dates for the subsequent milestones.

**MBI3**

- Full CI/CD setup for BP is completed.
- Validation lab is setup and will be used for BP testing in conformance with the process defined by the CI subcommittee.

**MBI4**

- First full CD deployment performed successfully in validation lab and results for validation lab are uploaded to the community.
- Minimum user install documentation developed as per the guidance from the documentation subcommittee.
- PTL and project team self certify the BP passed MBI0-MBI4.
- PTL to present self certified result to TSC, to include BP in Release 1. Before May 28th, 2019.
TSC Voting Decisions

• (1) Clarification of “production grade” in Akraino mission statement

• Adopt (2) the Mature and Core graduation process and criteria proposal which includes (3) the mandatory testing and reporting of a BP’s major layers as defined by the Akraino Validation Framework FP.
Production Deployable TCD Clarification

Vote #1

To postpend with “The Akraino community defines a BP as ‘production deployable’ after it has graduated to the level of ‘Mature’ or ‘Core’”.

- TCD currently states as it’s mission “1. Create end to end configuration for a particular Edge Use case which is complete, tested and production deployable meeting the use case characteristics {Integration Projects - Blueprints}.”

Notes:
- In all cases graduation is ratified based on TSC voting
- The process sub-committee is proposing detailed criteria for these graduations reviews (see proposals 2 and 3)
Graduation

Vote #2

To adopt the proposal for Mature and Core graduation processes and criteria

- The process sub-committee has proposed the detailed process and objective criteria for graduation to Mature and then Core

- Presented at April 2019 F2F and fully described here
Layer Based Graduation Testing

Vote #3

To adopt mandatory layer based testing as defined by the Validation Framework Project (which forms part of the graduation process)

- As part of the graduation process, sets of automated functional and security testing are defined for the BPs’ major HW/SW stack layers.

- The test tools and test sets are being defined and implemented by the Akraino Blueprint Validation Framework feature project (subject to TSC agreement).
  
  [Link](https://wiki.akraino.org/display/AK/Akraino+Blueprint+Validation+Framework)

- These layer tests and the use of the defined tools are mandatory and form part of the TSC graduation assessment. Note: Only the layers or functional components deployed by a BP are covered by the mandatory testing (e.g. if a given BP does not deploy OpenStack then the OS test set would not mandated).
Incubation Review Graduation Recommendations

**Recommendation 1**
IEC Type 4 AR/VR Blueprint [Link]

**Recommendation 2**
MEC API Framework Feature Project [Link]
LF Tool Overview

› Eric Ball, Linux Foundation
# Sub-Committee Updates

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