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

January 10, 2019

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TSC Voting Member Roll Call

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Agenda

- Process Sub-Committee Update
- R1 Blueprint Hardware and Configuration Details
- Action Item Updates
- Blueprint and Feature Project Mail Lists
- Open Discussion

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Process Sub-Committee Update

Technical Community Document Updates

› Update criteria for moving blueprints from incubation to maturity phase, including:

  › 2+ independent Akraino users demonstrate successful deployment
  › Blueprint release plan defined – including minor / point releases and major releases
  › Active contributions to blueprint

› Remove redundant Release Plan list in section 3.3.8.1 of the Technical Community Document

› Update 3.3.2.3.1 to specify labs to be used for feature project and blueprint testing

Conformance Validation Feature Project

NEW

› Create common conformance criteria and a process that each blueprint / feature project would follow to produce results that the TSC can use for evaluation

  › Feature project criteria should include validation of upstream community contribution to the feature project to avoid duplication of effort.
  › For feature projects to move into maturity phase, the submitted would be required to identify the blueprint(s) that have benefitted from the feature project

Establish Code Submission Criteria

› Identify code submission criteria which would include:

  › Linux Foundation ID (approved project committer
  › Akraino CI/CD process used
  › Specifications defined and documented, approved

Hardware Requirements Summary

Blueprint Category	# of VM's	Unycycle POD	Requested HW	R1 Plus	Donation
Network Cloud	0	X	8 physical servers (combinations of x86, Dell/HP etc.) + 3 ARM servers	4 ARM, FPGA	8 ARM Qualcomm servers, 3 NXP servers for SEBA, 3-4 Marvell servers
IEC			4 servers , 4 boxes (IoT, SD-WAN, ML, Sensor)		4 boxes (IoT, SD-WAN, ML, Sensor)
Edge Light and IoT	10		4 boxes	Additional IoT devices	
Kubernetes Native Infrastructure for Edge Family		X		GPU, 1 server	
Micro Mec	5			1 ARM	
Radio Edge Cloud Family	?				9 OCP Open Rack
Far Edge Cloud Family			2 x86	1 ARM	
Time-Critical Edge Compute			2 x86, 2 ARM		
Total	**15**	**2**	**N/A**	**N/A**	**N/A**

Action Items from Jan 3rd TSC Meeting

Action	Update	Owner(s)	Due By
Provide exact configuration in Wiki, send to Cesar by 12/28	Cesar is following up with Blueprint owners to get configuration details by COB on 1/8/2019	Blueprint Owners	12/28
Cesar to consolidate configuration info from Blueprint Owners and send to Jeremy	Cesar to provide info to IT dept by 2nd week of January	Cesar Berho	2nd week of January
Jeremy will provide shipping address and receipts.	Jaqueline to follow up on this in email to TSC	Jeremy Phelps	3rd week of January
Those donating hardware provide Cesar specs by 1st week of January	Info needed to be sent back to Cesar	Hardware Donors	1st week of January
Phil to confirm funding with Board by Dec	Dependent upon IT Req's	Phil Robb	December
Determine hardware needs within budget	$235K is the ballpark number	TBD	TBD
Cesar & Kandan to speak to Dell & HP about discounted hardware	Kandan to reach out to Jenny (Intel) to discuss further.	Cesar & Kandan	TBD
Cesar & Validation sub-committees establish community & validation lab connection	Updated needed	Cesar & Validation Sub-Committee	TBD
Cesar to define a logistics lead	Updated needed	Cesar Berho	TBD
Project code process documentation in the Wiki	Process sub-committee created initial process / criteria	Jim, Cesar and Jeremy	2nd week of January
Template for feature project & engage Upstream sub-committee	Process sub-committee to address in a follow up meeting	Jim	TBD
Release 1 definition and description	Tina and Kandan working on Framework for approval (abstract).	TSC	TBD

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Action Items from TSC F2F Meeting

Action	Updates	Owner(s)	Due By
LF Best Practices documentation	Jim and Cesar working offline	Jim & Cesar	TBD
Facilitate meeting between incubation project owners and find commonalities and collaboration between them	Meeting scheduled for Friday, Jan 11	TSC Chair & Co-Chair	TBD
Akraino community will target Release 1	Confirm date	TSC Chair & Co-Chair	April 30th
PTL nomination	In progress, nomination tables added to Wiki. Nominations: Jan 16	TSC Chair & Co-Chair	2nd week of January
Election will be done by 3rd week of Jan.	Elections: Jan 17	TSC Chair & Co-Chair	3rd week of January
Finalize project maturity process and define project maturity	Process sub-committee defined criteria and Technical Community Document updates needed	Jim	3rd week of January
Development work to begin	N/A	Blueprint Owners	3rd week of January
Define a set of feature projects, that could do common testing, validation, etc. for the proposed incubation projects.	N/A	Jim, Andrew, Frank, Chair and Co-Chair	TBD
Project email list established	Jaqueline to provide update	Jacqueline	TBD
IT Requirements Update from Cesar		Cesar Behro	TBD

Blueprint and Feature Project Mail Lists & Hashtags

› For mail lists that will have high traffic with common topics such as the blueprints and the feature projects, we recommend the use of hashtags. A full description of hashtags in Groups.io can be found here.

› The key benefits to hashtag use are:
  › Provides visibility to all related topics within a single mail list (fewer mail lists to join and manage).
  › You can "mute" hashtags that you don't wish to receive mail for but can still reference/search in the archives for them.

› **Next steps:**
  › **TSC to review proposed mail lists and example hashtags here.**
  › **Blueprint and Feature Project owners to decide on final hashtag to be used by Jan 10.**
    › **You may enter it directly in the shared spreadsheet.**
  › **Review final set up during TSC meeting Jan 10.**
  › Jacqueline will create and send details of the final mail lists with associated hashtags for use on Jan 11.
    › All hashtags available will be posted to the mail list main page for reference.

› Email with details sent to TSC is available here.

For More Information, Please
Visit www.akraino.org

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