# **Release 8 Planning**

release 8 target date is

TBD

# Blue Prints Participating in Release 8

Internal Target date to meet Rel 7 Criteria is TBD

(To be updated)

No.	Project Name	TSC Subgrou P Release Status	Is this your first release	Blue Print Stage  S el f-C C e rt if yel ln c c u b at ior or el ln c c u c re	Link to executi ve one pager (editabl e doc format) (Colum n filled in by PTLs)	API Info Reporting Review (Column filled in by API Subcommittee) (note for PTLs – go here for steps to fill in project API info form)	BlueVal Logs or Manual Logs Bluval User Guide	Security  Certification  (TO be filled by Security Subcommittee)  Pass/Fail Criteria: St eps To Implement Security Scan Requirements  Exception requests should be filed at:  release 8: Akraino CVE and KHV Vulnerability Exception Request	Upstream Review (Column filled by Upstream Subcommittee and PTLs)  (note PTL can go to R 7 Release Upstream Compliance to find details)	Date ready for TSC review (Column filled in by PTLs)	TSC Review Date (Colum n filled in by TSC)	
1	Connected Vehicle Blueprint Thor Chin											
	Tao Wang											
	Abhimanyu Bhatter											
2	IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family											
	Bart Dong											
	Thor Chin											
	Abhimanyu Bhatter											
3												
4	ICN - Integrated Cloud-Native Family											
_	Kuralamudhan Ramakrishnan											
5	ICN - Multi-Tenant Secure Cloud Native Platform											
	Salvador Fuentes											
	Status changed to end-of-life (EOL), not participating in R6											
6	ELIOT IoT Gateway Blueprint											
	khemendra kumar											
7	ELIOT SD-WAN/WAN Edge/uCPE Blueprint											
	khemendra kumar											
8	Network Cloud and TF (Tungsten Fabric) Integration Project											
	Sukhdev Kapur											
9	KNI Provider Access Edge											
	Ricardo Noriega											
10	KNI Industrial Edge											
	Ricardo Noriega											

	I						
11	Micro-MEC						
12	Ferenc Székely  The AI Edge: School/Education Video Security						
12	Monitoring						
	Yu, Liya						
13	The Al Edge: Intelligent Vehicle-Infrastructure Cooperation System(I-VICS)						
14	Yu, Liya  5G MEC/Slice System to Support Cloud						
1-7	Gaming, HD Video and Live Broadcasting Blueprint						
15	Feng Yang  IEC Type 3: Android cloud native applications						
	on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint FamilyRajeev Gadgil Dav y Zhang						
16	IEC Type 5: SmartNIC for Integrated Edge						
	Cloud (IEC) Blueprint Family						
47	Leo Li jin peng						
17	Enterprise Applications on Lightweight 5G Telco Edge						
	Gaurav Agrawal						
18	Public Cloud Edge Interface (PCEI) Blueprint						
	Oleg Berzin						
19	The Al Edge: Federated ML application at edge						
	zifan wu						
	haihui wang						
	No plan for this release						
20	KubeEdge Edge Service Blueprint						
	Yin Ding						
21	Private LTE/5G ICN Blueprint						
	Prem Sankar G						
	Has been merged with PCEI blueprint						
22	Has been merged with PCEI blueprint  Rural Edge blueprint for Tami COVID-19						
22	Rural Edge blueprint for Tami COVID-19 Blueprint Family						
	Rural Edge blueprint for Tami COVID-19 Blueprint Family Surojit Banerjee						
22	Rural Edge blueprint for Tami COVID-19 Blueprint Family Surojit Banerjee Smart Cities						
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## For details, refer to the following requirements

## Classes of Release 8 Blueprints and the requirements to be included in release 8

The requirements for the blueprints to be included in release 8 are as follows:

Depending upon the situation, the PTLs are suggested to meet the following criteria -

#### Class 1: The Blueprints moving from release 7 to release 8

If the blueprint is already part of release 7 and you want this to be included in release 8, please follow the following steps:

- Did you make any improvements in release 8 e.g. you fixed bugs or added additional features?
  - o If Yes:
    - Does it impact the APIs or Documentation?
      - If yes,
        - o Please update the documentation and send the email to respective sub-committee chairs.
        - o For APIs, please see API Subcommittee Guidelines below
      - Run the security scans and upload the link in the table below next to your blueprint
      - Upload the latest CI/CD logs
      - Send an email to tsc@lists.akraino.org to notify the TSC
      - Put yourself on the TSC agenda and request for the approval
  - o If No:
    - No additional formalities are required
    - Send an email to tsc@lists.akraino.org to notify the TSC
    - Put yourself on the TSC agenda and request for the approval

#### Class 2: The Blueprints moving from Release 4/5 to release 8

If the blueprint is already part of release 4/5 and not release 7 and you want this to be included in release 8, please follow the following steps:

Note that in release 5, a new requirement was introduced to expose all the API consumed and offered by your blueprint.

- Please update the documentation to include new API section.
- Follow the guidelines to submit API information as per the requirements specified in the API sub-committee
- send the email to respective documentation and API sub-committee lists.
  - If you require assistance with documentation, please reach out the respective subcommittee to be included on their agenda and discuss with them otherwise you are done
  - o For APIs, please see API Subcommittee Guidelines below
- Run the security scans and upload the link in the table below next to your blueprint
- Upload the latest CI/CD logs
- Send an email to tsc@lists.akraino.org to notify the TSC
- Put yourself on the TSC agenda and request for the approval

## Class 3: The Blueprints moving from Release 3 or earlier to release 8

If the blueprint is already part of release 1 or 2 and not release 4 or 5 or 6 and you want this to be included in release 8, please follow the following steps described under Class 4 below.

### Class 4: New Blueprints being introduced for the first time in release 8

Please follow the requirements specified in release 7 with the following exceptions:

- 1. The sub-committee presentations are optional starting from release 8 and for your benefit only. If you require assistance on any of the areas such as documentation, Security scans or CI/CD logs, please schedule a meeting with appropriate subcommittee.
- 2. For APIs, please see API Subcommittee Guidelines below
- 3. Once you meet the requirements of respective subcommittee, please send them an email to notify them. Except for APIs, as noted in 2, if they require any clarification, they will either invite you to meet with them or they will approve your blueprint via email.
- 4. Send an email to tsc@lists.akraino.org to notify the TSC
- 5. Put yourself on the TSC agenda and request for the approval

#### **API Subcommittee Guidelines**

Please follow step-by-step instructions on the API Subcommittee API reporting wiki page. If after submitting your API info form (or an updated form, if you are in Class 1 and the form has changed since Release 4) and notifying the subcommittee by e-mail they have questions, then schedule a time when either subcommittee members may attend your weekly BP meeting or you can attend the API subcommittee weekly meeting in order to discuss and resolve the questions. When meeting, please be prepared with architecture and data flow diagrams so the API subcommittee can understand and confirm 1) APIs consumed and offered by your BP, 2) upstream project APIs, and 3) customer-facing demo APIs. This information will be used to update the Akraino website API Map, which makes your BP visible and searchable to customers and entities outside of Akraino, so completeness and accuracy is important.

# Release 8 Requirements

- 1. High Level Overall Requirements
- 2. CI, Blueprint Validation Lab Sub-Committee Requirements
  - a. Present Pod Topology document.
  - b. Peering w/LF Jenkins (Note: peering is an optional requirement)
  - c. Push logs through Nexus. (Note: This is mandatory for Incubation self-certified and Maturity)
  - d. Usage of topics for release
    - Releases >= 1.0 (e.g. 1.xyz, 2.xyz etc) are reserved for BP that have been approved as Core by the TSC (considered 'GA' quality).
    - ii. Releases <1.0 (e.g. 0.xyz etc) are reserved for projects that have not reached the Akraino Core level (i.e. anything that is in Incubation ('alpha' quality) and Mature ('beta' quality).
  - e. Enforcement of Static Code Analysis through SonarCloud (SaaS), <u>WIP</u> LF Release Engineering & Security Subcommittee. (Note: This is an optional requirement for Incubation self certified and mandatory for Maturity)
- 3. Security Sub-Committee Requirements, please fill in Blueprint Scanning Status. Instructions can be found at: Steps To Implement Security Scan
- 4. Blueprint Validation Framework Feature Project Requirements See TSC meeting.
- 5. Projects going for Maturity Review please refer to Maturity Criteria defined by Process subcommittee BP Graduation Review Processes and Criteria (Note this is not required for self certification, only required for maturity review)
- 6. Documentation Sub-Committee Requirements

#### **User Documents:**

The following documentation with the following sections called out should be on the wiki with links to rest of the sections as applicable. We prefer that the entire doc is on the wiki but we do not require it.

Architecture - Blue print Overview and overall architecture

Release Notes - Summary and What is released

Installation Doc - Introduction and deployment architecture

Test Document - Introduction and Overall Test Architecture

#### **Developer Documents:**

We are also recommending that Blueprints include via ReadtheDocs, with each Blue Print given their own repo, but we do not require it

- 7. API Sub-Committee Requirements (Note: See this link for requirements: Blueprint Projects API Reporting Requirements)
- 8. Community Sub-Committee Requirements (Note: no mandatory requirements for Incubation self-certified or Maturity)
- 9. Process Sub-Committee Requirements (Note: See the Process Sub Committee page defining the TSC approved Maturity review process and requirements for those requesting inclusion in R3 at Mature level BP Graduation Review Processes and Criteria)
- 10. Upstream Sub-Committee Requirements (Note: no mandatory requirements for Incubation self-certified or Maturity). Here is the R6 release Upstream BP review status release 7 Upstream Review Status, Release Upstream Compliance. Also please refer to the page for the R6 requirement as well.