

## Release 4 Planning



Intelligent Vehi...) Datasheet.docx

Release 4 target date is November 30th 2020.

1. Self Certified Milestones Achievement Due Date Oct 31st 2020 ( Milestone 4)



Rel3\_milestones.pptx

2. Maturity Review Milestone Achievement Due date Oct 31st 2020



maturity\_Milestones.pptx

Please add targeted and achieved R4 milestones at:

[BP Incubation Stage Reporting R4](#) (To be updated)

## Define area of focus

(to be updated)

1. Virtual meeting to start to have a session to discuss all of the agenda items.
2. Different patches from different blueprints need to be up-streamed.
3. Need a consistent framework
4. New blueprints have been committed for R4.
5. Want to increase standards on Release 4.
6. Validation Project test layers and test cases
7. Self Certification in R4?

## Release 4 Requirements



R3-Review-Criteria.pdf

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](#)

- i. 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), ~~WIP~~ 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 [Release 4 Blueprint Scanning Status](#). Instructions can be found at: [Steps To Implement Security Scan Requirements](#)
- 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 R4 release Upstream BP review status, [Release Upstream Compliance](#). Also please refer to the page for the R4 requirement as well.

## Blue Prints Participating in Release 4

Internal Target date to meet Rel 4 Criteria is Nov 30th ( please add your target/achieved date at the [BP Incubation Stage Reporting R2](#) (To Be Updated))

(To be updated)

| No. | Project Name | TSC Subgroup Release Status | Is this your first release | Going for Maturity Review? | CD Logs URL to be used for review<br><br>(Column filled in by PTLs)<br><br><a href="#">How to: Push Logs to Nexus</a><br><br><a href="#">Jenkins Master for Private Lab</a><br><br><a href="#">Jenkins Peering Guide</a><br><br>Example:<br><br><a href="#">KubeEdge BP Test Documents</a> | Link to executive one pager<br><br>(editable doc format)<br><br>(Column filled in by PTLs) | API Info Reporting Review<br><br>(Column filled in by API Subcommittee)<br><br>(note for PTLs – go here for steps to fill in project API info form) | BluVal Certification<br><br><a href="#">BluVal User Guide</a> | Security Certification<br><br>Provide link to Vuls, Lynis, and Kube-Hunter logs below.<br><br>Pass/Fail Criteria: <a href="#">Steps To Implement Security Scan Requirements</a><br><br>Exception requests should be filed at:<br><br><a href="https://wiki.akraino.org/display/AK/Akraino+CVE+Vulnerability+Exception+Request">https://wiki.akraino.org/display/AK/Akraino+CVE+Vulnerability+Exception+Request</a> | Ups Revi (Col by L Sub and<br><br><br><br><br><br><br>(not go to Rele Ups Cor to fi |
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| 1 | <p>Connected Vehicle Blueprint</p> <p>Thor Chin</p> <p>Tao Wang</p>                                                             | <p>scheduled at TSC 2020-12-01 (Tues) 7 am Pacific</p>              | N | Y      | <a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/</a>                     | <p>CVB_Akraino_R4_blueprint_Datasheet</p>      | <p>Form uploaded</p> <p>Scheduled for API subcommittee review 21 Dec 2020</p> <p>Waiting for re-uploaded API info form with PaaS API info</p> <p>Reviewed by API subcommittee, PaaS APIs are subset of TARS APIs</p> <p>Accepted</p> | <a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/</a>                                       | <p>01 Dec 2020</p> <p>Vuls: Accepted with exceptions shown at:</p> <p>Release 4 Vuls Exception Reques</p> <p><a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/</a></p> <p>26 Jan 2021</p> <p>Lynis: Accepted with exceptions shown at:</p> <p>Release 4 Lynis Exceptions</p> <p><a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/lynis_updated_26.log">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/lynis_updated_26.log</a></p> <p>Kube-Hunter: Exception granted: K8s not used by this BP.</p> | Yes |
| 2 | <p>IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family</p> <p>Bart Dong</p> <p>Thor Chin</p> | <p>scheduled at TSC 2020-12-01 (Tues) 7 am Pacific</p>              | N | Y      | <a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/iec-type4/">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/iec-type4/</a>         | <p>IEC-Type4 Release 4 datasheet.docx</p>      | <p>Form uploaded</p> <p>Scheduled for API subcommittee review 21 Dec 2020</p> <p>Waiting for re-uploaded API info form with PaaS API info</p> <p>Reviewed by API subcommittee, PaaS APIs are subset of TARS APIs</p> <p>Accepted</p> | <a href="https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/iec-type4/">https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/iec-type4/</a>                           | <p>01 Dec 2020</p> <p>Vuls: Accepted with exceptions shown at:</p> <p>Release 4 Vuls Exception Request</p> <p><a href="https://nexus.akraino.org/content/sites/logs/tencent/MR/iec-type4/">https://nexus.akraino.org/content/sites/logs/tencent/MR/iec-type4/</a></p> <p>10 Mar 2021</p> <p>Lynis: Accepted</p> <p>No Exceptions Required, Excellent!</p> <p><a href="https://nexus.akraino.org/content/sites/logs/tencent/MR/iec-type4/">https://nexus.akraino.org/content/sites/logs/tencent/MR/iec-type4/</a></p> <p>Kube-Hunter: Exception granted: K8s not used by this BP.</p>                                                                  | Yes |
| 3 | <p>Radio Edge Cloud (REC)</p> <p>Paul Carver</p>                                                                                | <p>Scheduled at Release 4 Review 2020-12-01 (Tues) 7 am Pacific</p> | N | Mature | <a href="https://nexus.akraino.org/content/sites/logs/att/job/install_REC_on_OpenEdge1/">https://nexus.akraino.org/content/sites/logs/att/job/install_REC_on_OpenEdge1/</a> | <p>REC_Akraino R4 blueprint Datasheet.docx</p> | <p>Form uploaded</p> <p>Reviewed by API subcommittee</p> <p>Accepted</p>                                                                                                                                                             | <a href="https://nexus.akraino.org/content/sites/logs/att/job/Bluval_Logs/results-11-27-2020.tar">https://nexus.akraino.org/content/sites/logs/att/job/Bluval_Logs/results-11-27-2020.tar</a> | <p><a href="https://nexus.akraino.org/content/sites/logs/att/job/Bluval_Logs/results-2021-02-01/">https://nexus.akraino.org/content/sites/logs/att/job/Bluval_Logs/results-2021-02-01/</a></p> <p>02 Dec 2020</p> <p>Vuls: Accepted with exceptions shown at:</p> <p>Release 4 Vuls Exception Request</p> <p>03 Feb 2021</p> <p>Lynis: Accepted with exceptions shown at:</p> <p>Release 4 Lynis Exceptions</p> <p>28 Jan 2021</p> <p>Kube-Hunter: Accepted with exceptions shown at:</p> <p>Release 4 Kube-Hunter Exceptions</p>                                                                                                                     | Yes |

|   |                                                                              |                                                             |   |   |                                                                                                                                                                                                                                                                                              |                                                       |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |
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| 4 | <p>ICN - Integrated Cloud-Native Family</p> <p>Kuralamudhan Ramakrishnan</p> | Scheduled at Release 4 Review 2020-12-16 (Wed) 7 am Pacific | N | N | <p>ICN Master Baremetal Deployment Verifier</p> <p>ICN Master Virtual Deployment Verifier</p> <p>ICN SDEWAN Master End2End Testing</p>                                                                                                                                                       | <p>ICN_MICN_Akraino_R4_blueprint_Datasheet.docx</p>   | <p>Form uploaded</p> <p>Reviewed by API subcommittee</p> <p>Accepted</p>             | <p><a href="https://nexus.akraino.org/content/sites/logs/intel/bluval_results/icn/master/20201210-010310/">https://nexus.akraino.org/content/sites/logs/intel/bluval_results/icn/master/20201210-010310/</a></p>                                                                                                                                                                                                                                             | <p><a href="https://nexus.akraino.org/content/sites/logs/intel/bluval_results/icn/master/20201210-010310/">https://nexus.akraino.org/content/sites/logs/intel/bluval_results/icn/master/20201210-010310/</a></p> <p>ICN R4 Test Document#BluValTesting</p> <p><b>Vuls:</b> Accepted with exceptions shown at:<br/>Release 4 Vuls Exception</p> <p><b>Lynis:</b> Accepted with exceptions shown at:<br/>Release 4 Lynis Exceptions</p> <p>k8s/conformance:</p> <ul style="list-style-type: none"> <li>Sonobuoy v0.16.1 does not support Kubernetes 1.18.9. ICN PTL reported this on <a href="https://wiki.akraino.org/display/AK/Akraino+BluVal+Exception+Request">https://wiki.akraino.org/display/AK/Akraino+BluVal+Exception+Request</a></li> </ul> <p><b>Kube-Hunter:</b> Accepted</p> <ul style="list-style-type: none"> <li>The logs show the run with the aquasec/kube-hunter:edge image to fix the CAP_NET_RAW inside a pod issue</li> </ul> | Yes |
| 5 | <p>ELIOT IoT Gateway Blueprint</p> <p>khemendra kumar</p>                    | scheduled at TSC 2020-12-16 (Tues) 7 am Pacific             | N | N | <p><a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-deploy-k8s-virtual-daily-master/684/">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-deploy-k8s-virtual-daily-master/684/</a></p> | <p>ELIOT R4 IOT-Gateway Datasheet</p>                 | <p>Form uploaded</p> <p>Reviewed by API subcommittee 11 Dec 2020</p> <p>Accepted</p> | <p><a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-blual-virtual-daily-master/37/results/os/lynis/lynis.log">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-blual-virtual-daily-master/37/results/os/lynis/lynis.log</a></p> <p><b>vuls exceptions</b><br/>Akraino CVE Vulnerability Exception Request</p> <p>Akraino BluVal Exception Request</p>   | <p>07 Dec 2020</p> <p><b>Vuls:</b> Accepted with exceptions shown at:<br/>Release 4 Vuls Exception</p> <p><b>Lynis:</b> Accepted with exceptions shown at:<br/>Release 4 Lynis Exceptions</p> <p><b>Kube-Hunter:</b> Accepted with exceptions shown at:<br/>Release 4 Kube-Hunter Exceptions</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes |
| 6 | <p>ELIOT SD-WAN/WAN Edge/uCPE Blueprint</p> <p>khemendra kumar</p>           | scheduled at TSC 2020-12-16 (Tues) 7 am Pacific             | N | N | <p><a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/545/">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/545/</a></p>           | <p>ELIOT R4 - SD-WAN / WAN Edge / uCPE Data Sheet</p> | <p>Form uploaded</p> <p>Reviewed by API subcommittee 11 Dec 2020</p> <p>Accepted</p> | <p><a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/549/results/os/lynis/lynis.log">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/549/results/os/lynis/lynis.log</a></p> <p><b>vuls exceptions</b><br/>Akraino CVE Vulnerability Exception Request</p> <p>Akraino BluVal Exception Request</p> | <p>07 Dec 2020</p> <p><b>Vuls:</b> Accepted with exceptions shown at:<br/>Release 4 Vuls Exception</p> <p><b>Lynis:</b> Accepted with exceptions shown at:<br/>Release 4 Lynis Exceptions</p> <p><b>Kube-Hunter:</b> Accepted with exceptions shown at:<br/>Release 4 Kube-Hunter Exceptions</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes |

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| 7 | Network Cloud and TF (Tungsten Fabric) Integration Project<br><br>Sukhdev Kapur | Scheduled at<br><br>Release 4 Review 2020-12-09 (Wed) 7:30am | N | Not Applicable | <a href="https://nexus.akraino.org/content/sites/logs/juniper/job/NC-Tungsten_Fabric/40/">https://nexus.akraino.org/content/sites/logs/juniper/job/NC-Tungsten_Fabric/40/</a><br><br><a href="https://nexus.akraino.org/content/sites/logs/juniper/validation-2021/">https://nexus.akraino.org/content/sites/logs/juniper/validation-2021/</a>                                                                                                                                                                         | NetworkCloud-TF blueprint Datasheet.docx   | Form uploaded<br><br>Scheduled for API subcommittee review 18 Dec 2020<br><br>Reviewed by API subcommittee<br><br>Accepted | Y                                                                                                                                                                     | <a href="https://nexus.akraino.org/content/sites/logs/juniper/validation/">https://nexus.akraino.org/content/sites/logs/juniper/validation/</a><br><br>Updated results - <a href="https://nexus.akraino.org/content/sites/logs/juniper/validation-2021/">https://nexus.akraino.org/content/sites/logs/juniper/validation-2021/</a><br><br>06 Jan 2021<br><br>Vuls: <a href="#">Accepted</a> with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception</a><br><br>10 Feb 2021<br><br>Lynis: <a href="#">Accepted</a> with exceptions shown at:<br><br><a href="#">Release 4 Lynis Exceptions</a><br><br>Note there were exceptions granted for mandatory incubation items that must be fixed in the next incubation level release as well as other items that must be fixed for maturity.<br><br>03 Feb 2021<br><br>Kube-Hunter: <a href="#">Accepted</a> with exceptions shown at:<br><br><a href="#">Release 4 Kube-Hunter Exceptions</a>                                                                                                                                                                                                                                                                    | Yes |
| 8 | KNI Provider access edge<br><br>Ricardo Noriega                                 | Scheduled at<br>TSC 2020-12-17 (Thurs) 7 am Pacific          | N | N              | AWS footprint:<br><a href="https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-pae-verify-deploy-aws/81/">https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-pae-verify-deploy-aws/81/</a><br><br>GCP footprint:<br><br><a href="https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-pae-verify-deploy-gcp/51/">https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-pae-verify-deploy-gcp/51/</a> | Akraino R4 blueprint Datasheet_KNI PAE.odt | Form uploaded<br><br>Reviewed by API subcommittee<br><br><a href="#">Accepted</a>                                          | <a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/</a> | 12 Jan 2021<br><br>Vuls: <a href="#">Accepted</a> with exception. The KNI Provider Access Edge blueprint uses OpenShift as its k8s distribution, which is deployed on Red Hat CoreOS, an immutable OS that is not supported by Vuls.<br><br><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/os/vuls/log.html.gz">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/os/vuls/log.html.gz</a><br><br>Lynis:<br><br>20 Jan 2021<br><br><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/os/lynis/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/os/lynis/</a><br><br><a href="#">Accepted</a> with exceptions shown at:<br><br><a href="#">Release 4 Lynis Exceptions</a><br><br>Kube-Hunter:<br><br>20 Jan 2021<br><br><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/k8s/kube-hunter/Kube-Hunter.Kube-Hunter/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_pae/k8s/kube-hunter/Kube-Hunter.Kube-Hunter/</a><br><br><a href="#">Accepted</a> with exceptions shown at:<br><br><a href="#">Release 4 Kube-Hunter Exceptions</a> | Yes |

|    |                                                                                                                                   |                                                  |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                                                                                                        |                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |
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| 9  | <p>KNI Industrial Edge</p> <p>Ricardo Noriega</p> <p>Slides for KNI blueprints review:</p> <p>Akraino_KNI_Release4_Review.pdf</p> | Scheduled at TSC 2020-12-17 (Thurs) 7 am Pacific | Y | N | <p>Mgmt Hub logs:</p> <p><a href="https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-management-hub-verify-deploy-gcp/9/">https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-management-hub-verify-deploy-gcp/9/</a></p> <p>IE logs:</p> <p><a href="https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-ie-verify-deploy-gcp/2/">https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-ie-verify-deploy-gcp/2/</a></p> | <p>Akraino R4 blueprint Datasheet_KNI IE.odt</p>    | <p>Form uploaded</p> <p>Reviewed by API subcommittee</p> <p>Accepted</p>                                                                                                                                                               | <p><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/</a></p>   | <p>12 Jan 2021</p> <p>Vuls: <b>Accepted</b> with exception. The KNI Industrial Edge blueprint uses OpenShift as its k8s distribution, which is deployed on Red Hat CoreOS, an immutable OS that is not supported by Vuls.</p> <p><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/os/vuls/log.html.gz">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/os/vuls/log.html.gz</a></p> <p>20 Jan 2021</p> <p>Lynis:</p> <p><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/os/lynis/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/os/lynis/</a></p> <p><b>Accepted</b> with exceptions shown at:</p> <p><a href="#">Release 4 Lynis Exceptions</a></p> <p>20 Jan 2021</p> <p>Kube-Hunter:</p> <p><a href="https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/k8s/kube-hunter/Kube-Hunter.Kube-Hunter/">https://nexus.akraino.org/content/sites/logs/redhat-kni/bluval_results_ie/k8s/kube-hunter/Kube-Hunter.Kube-Hunter/</a></p> <p><b>Accepted</b> with exceptions shown at:</p> <p><a href="#">Release 4 Kube-Hunter Exceptions</a></p> | Yes                                 |
| 10 | Micro-MEC - moved to LTS                                                                                                          |                                                  | Y | N | <p><a href="https://nexus.akraino.org/content/sites/logs/micromec">https://nexus.akraino.org/content/sites/logs/micromec</a></p>                                                                                                                                                                                                                                                                                                                                                                                                            | <p>Akraino R3 MicroMEC blueprint datasheet.docx</p> | <p>Form uploaded 26 Oct 2020</p> <p>API committee review scheduled for 22 Jan 2021</p> <p>Reviewed by API subcommittee</p> <p>Accepted</p>                                                                                             | N/A                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |
| 11 | <p>The AI Edge: School /Education Video Security Monitoring</p> <p>Hechun Zhang</p>                                               | Scheduled at TSC 2020-11-24 (Tues) 7 am Pacific  | N | N | <p><a href="https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-deploy/">https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-deploy/</a></p> <p><a href="https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-validation/">https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-validation/</a></p>                                                                                                                                   | <p>AIEdge_Akraino R4 blueprint Datasheet.docx</p>   | <p>Hechun replied by e-mail 12Jan, API info form is in progress</p> <p>Form uploaded 02 Feb 2021</p> <p>API committee review tentatively scheduled for 05 Feb 2021</p> <p>Reviewed by API subcommittee 05 Feb 2021</p> <p>Accepted</p> | <p><a href="https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-video/1/scan/">https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-video/1/scan/</a></p> | <p>24 Feb 2021</p> <p>Vuls: <b>Accepted</b> with exceptions shown at:</p> <p><a href="#">Release 4 Vuls Exception</a></p> <p>01 Mar 2021</p> <p>Lynis: <b>Accepted</b> with exceptions shown at:</p> <p><a href="#">Release 4 Lynis Exceptions</a></p> <p>01 Mar 2021</p> <p>Kube-Hunter: <b>Accepted</b> with exceptions shown at:</p> <p><a href="#">Release 4 Kube-Hunter Exceptions</a></p> <p>Note: There are 4 issues that must be fixed prior to the next Incubation OR Maturity release.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes (P update upstream beside name) |

|    |                                                                                                                                         |                                             |   |   |                                                                                                                                                                                                                                                                                     |                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 12 | The AI Edge: Intelligent Vehicle-Infrastructure Cooperation System(I-VICS)<br><br>Hechun Zhang Hao Zhongwang                            |                                             | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/baidu/job/xinhong/results/">https://nexus.akraino.org/content/sites/logs/baidu/job/xinhong/results/</a>                                                                                                                       | Intelligent Vehicle-Infrastructure Cooperation System(I-VICS) Datasheet.docx | Form uploaded 21 Feb 2021<br><br>API subcommittee review scheduled for 26 Feb 2021<br><br>Reviewed by API Subcommittee 26 Feb 2021<br><br>Accepted                                                                                                                                                                                                              | N/A                                                                        | <a href="https://nexus.akraino.org/content/sites/logs/baidu/job/xinhong/results/">https://nexus.akraino.org/content/sites/logs/baidu/job/xinhong/results/</a><br><br>26 Feb 2021<br><br>Vuls: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception Request</a><br><br>26 Feb 2021<br><br>Lynis:<br><br>The following must be fixed for incubation:<br><br>1. Test ID BOOT-5122 (Check for GRUB boot password) : Must Pass<br>2. Test: Checking PASS_MAX_DAYS option in /etc/login.defs : Must Pass<br>3. Test ID AUTH-9328 (Default umask values) : Must Pass<br>4. Test ID SSH-7440 (Check OpenSSH option: AllowUsers and AllowGroups) : Must Pass<br>5. systemctl key fs.suid_dumpable : Must Pass<br>6. systemctl key kernel.dmesg_restrict : Must Pass<br>7. systemctl key net.ipv4.conf.default.accept_source_route : Must Pass<br>8. The following compilers must be removed:- /usr/bin/as- /usr/bin/cc- /usr/bin/g++- /usr/bin/gcc<br><br>Kube-Hunter: Exception granted: K8s not used by this BP. | Yes Pl the upstrior the rep           |
| 13 | 5G MEC /Slice System to Support Cloud Gaming, HD Video and Live Broadcasting Blueprint<br><br>Feng Yang                                 |                                             | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/tencent/job/tencent_5g_mec/">https://nexus.akraino.org/content/sites/logs/tencent/job/tencent_5g_mec/</a>                                                                                                                     | 5G MEC_Akraino R4 blueprint Datasheet.docx                                   | Form uploaded 25 Oct 2020<br><br>Reviewed by API subcommittee<br><br>Accepted                                                                                                                                                                                                                                                                                   | N/A                                                                        | <a href="https://nexus.akraino.org/content/sites/logs/tencent/bluval/results_upload">https://nexus.akraino.org/content/sites/logs/tencent/bluval/results_upload</a><br><br>19 Jan 2021<br><br>Vuls: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception Request</a><br><br>21 Jan 2021<br><br>Lynis: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Lynis Exceptions</a><br><br>21 Jan 2021<br><br>Kube-Hunter:<br><br>Accepted with exceptions shown at:<br><br><a href="#">Release 4 Kube-Hunter Exceptions</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Please release upstream inform R6 - R |
| 14 | IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family<br><br>hanyu ding | Scheduled at TSC 2021-02-04 (Thurs) 7 am PT | N | N | <a href="https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/17/">https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/17/</a> | IEC Release4-IEC Type3-datasheet.docx                                        | Hanyu replied by e-mail 20 Jan 2021 that they have no APIs offered or consumed. API Subcommittee replied they still need to fill out the API info reporting form with BP name and Comments field explaining current and future API status, and upload the form<br><br>Form uploaded 28 Jan 2021<br><br>Reviewed by API Subcommittee 29 Jan 2021<br><br>Accepted | Bluval Exception has been accepted<br><br>Akraino BluVal Exception Request | 05 Feb 2021<br><br><a href="https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/30/">https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/30/</a><br><br>Vuls: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception Request</a><br><br>08 Feb 2021<br><br><a href="https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/34/">https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/nvndroid/34/</a><br><br>Lynis: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Lynis Exceptions</a><br><br>05 Feb 2021<br><br>Kube-Hunter: Exception granted: K8s not used by this BP.                                                                                                                  | Yes                                   |

|    |                                                                                         |                                                                                            |   |   |                                                                                                                                                                                                                                                             |                                      |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |
|----|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 15 | IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family<br><br>yihui wang | Scheduled at TSC 2020-12-10 (Thurs) 7 am Pacific                                           | N | N | <a href="https://nexus.akraino.org/content/sites/logs/cmti/job/iec5_r4/15/">https://nexus.akraino.org/content/sites/logs/cmti/job/iec5_r4/15/</a>                                                                                                           | IEC Release4-SmartNIC datasheet.docx | Form uploaded<br><br>Scheduled for API subcommittee review 21 Dec 2020<br><br>Reviewed by API subcommittee<br><br>Accepted                                                                                                                                                | Bluval Exception has been accepted for the project.<br><br>Akraino BluVal Exception Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="https://nexus.akraino.org/content/sites/logs/cmti/job/iec5_r4/">https://nexus.akraino.org/content/sites/logs/cmti/job/iec5_r4/</a><br><br>05 Feb 2021<br><br>VulsAccepted with exceptions shown at:<br><br>Release 4 Vuls Exception Request<br><br><br><br><a href="https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/invdroid/34/">https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type3-android-cloud-ubuntu1804-daily-master/job/invdroid/34/</a><br><br>09 Feb 2021<br><br>LynisAccepted with exceptions shown at:<br><br>Release 4 Lynis Exceptions<br><br><br>09 Feb 2021<br><br>Kube-Hunter: Exception granted: K8s not used by this BP. | Yes |
| 16 | Enterprise Applications on Lightweight 5G Telco Edge<br><br>Gaurav Agrawal              | scheduled at TSC 2020-12-10(Thurs) 7 am Pacific                                            | N | N | <a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-deploy-virtual-daily-master/397">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-deploy-virtual-daily-master/397</a> | EALTEdge Rel 4 Datasheet             | Form uploaded<br><br>Reviewed by API subcommittee<br><br>Accepted                                                                                                                                                                                                         | <a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-bluval-daily-master/251/results/">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-bluval-daily-master/251/results/</a><br><br>Vuls Exception<br>Akaino CVE Vulnerability Exception Request<br><br>Akaino BluVal Exception Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-bluval-daily-master/251/results/">https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-bluval-daily-master/251/results/</a><br><br>Akaino CVE Vulnerability Exception Request<br><br>08 Dec 2020<br><br>Vuls: Accepted with exceptions shown at:<br><br>Release 4 Vuls Exception Request<br><br>Lynis: Accepted with exceptions shown at:<br><br>Release 4 Lynis Exceptions<br><br>Kube-Hunter: Accepted with exceptions shown at:<br><br>Release 4 Kube-Hunter Exceptions<br><br>updated results link - 09-dec                                                                                                  | Yes |
| 17 | Public Cloud Edge Interface (PCEI) Blueprint<br><br>Oleg Berzin                         | Scheduled at TSC 2021-1-14 (Thurs) 7 am Pacific<br><br>PCEI Time Slot 7:30-8:00 am Pacific | Y |   | <a href="https://nexus.akraino.org/content/sites/logs/cmti/job/pcei-daily/">https://nexus.akraino.org/content/sites/logs/cmti/job/pcei-daily/</a>                                                                                                           | PCEI R4 Datasheet                    | Form uploaded 4Jan<br><br>Scheduled for API subcommittee review 08 Jan 2021<br><br>For R4, third-party location API provided as an example in PCEI architecture diagrams. For R5 they expect PCEI APIs to be exported<br><br>Reviewed by API subcommittee<br><br>Accepted | <a href="https://nexus.akraino.org/content/sites/logs/pcei/job/v1/">https://nexus.akraino.org/content/sites/logs/pcei/job/v1/</a><br><br>New BluVal logs 2021-01-08:<br><br><a href="https://nexus.akraino.org/content/sites/logs/pcei/job/v2/results/">https://nexus.akraino.org/content/sites/logs/pcei/job/v2/results/</a><br><br>14 Jan 2021<br><br>Updated BluVal logs with fixed sy sctl key net.ipv4.conf.default.accept_source_route<br><br><a href="https://nexus.akraino.org/content/sites/logs/pcei/job/v3/">https://nexus.akraino.org/content/sites/logs/pcei/job/v3/</a><br><br>15 Jan 2021<br><br>Updated BluVal logs with fixed Kube-Hunter Vulnerability KHV050, KHV002, KHV005<br><br><a href="https://nexus.akraino.org/content/sites/logs/pcei/job/v4/">https://nexus.akraino.org/content/sites/logs/pcei/job/v4/</a> | 11 Jan 2021<br><br>Vuls:<br><br>Vuls: Accepted with exceptions shown at:<br><br>Release 4 Vuls Exception Request<br><br>08 Jan 2021 vuls.log included in the new logs (V2)<br><br>Lynis: Accepted with exceptions shown at:<br><br>Release 4 Lynis Exceptions<br><br>Kube-Hunter:<br><br>Accepted with exceptions shown at:<br><br>Release 4 Kube-Hunter Exceptions                                                                                                                                                                                                                                                                                                                                                                                | Yes |

|    |                                                                                                                                                           |                                                             |   |   |                                                                                                                                                                       |                                                     |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 18 | The AI Edge: Federated ML application at edge<br><br>Julie Han                                                                                            | Scheduled at TSC 2020-12-08 (Tues) 7 am Pacific             | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/webank/job/">https://nexus.akraino.org/content/sites/logs/webank/job/</a>                                       | Federated ML application at edge R4 Datasheet       | Form uploaded<br><br>Reviewed by API subcommittee<br><br>Accepted                                                                                                                                                                                                                        | N/A                                                                                                                                                                                                                          | <a href="https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/results/">https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/results/</a><br><br><a href="https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/lynis_fixed/">https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/lynis_fixed/</a><br><br>08 Dec 2020<br><br>Vuls: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception Request</a><br><br>15 Dec 2020<br><br>Lynis: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Lynis Exceptions</a><br><br><a href="https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/lynis_fixed2/">https://nexus.akraino.org/content/sites/logs/webank/job/FL_SCAN/lynis_fixed2/</a><br><br>Kube-Hunter: Exception granted: K8s not used by this BP. | Yes |
| 19 | KubeEdge Edge Service Blueprint<br><br>Yin Ding                                                                                                           | Scheduled at Release 4 Review 2020-11-17 (Tue) 7 am Pacific | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/futurewei/kubeedgees/">https://nexus.akraino.org/content/sites/logs/futurewei/kubeedgees/</a>                   | KubeEdge Edge Service Blueprint Release 4 datasheet | Form uploaded<br><br>Reviewed by API subcommittee<br><br>Accepted                                                                                                                                                                                                                        | Yes<br><br><a href="https://nexus.akraino.org/content/sites/logs/futurewei/kubeedgees/58/results/">https://nexus.akraino.org/content/sites/logs/futurewei/kubeedgees/58/results/</a><br><br>Akraino BluVal Exception Request | 18 Nov 2020<br><br>Vuls: Accepted with exceptions shown at:<br><br><a href="#">Release 4 Vuls Exception Request</a><br><br>20 Nov 2020<br><br>Lynis: Accepted<br><br>Kube-Hunter: Exception granted: KubeEdge node is not on same subnet as the cloud node. Communication occurs through the websocket endpoint, so kube-hunter can't be used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes |
| 20 | Private LTE /5G ICN Blueprint<br><br>Prem Sankar G                                                                                                        | Scheduled at Release 4 Review 2021-02-25                    | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/juniper/job/Private%205G%20BP/">https://nexus.akraino.org/content/sites/logs/juniper/job/Private%205G%20BP/</a> | Akraino Private LTE /5G BP Datasheet                | Prem replied by e-mail 17Jan, API info form is in progress<br><br>Form uploaded 03 Feb 2021<br><br>API committee review scheduled for 05 Feb 2021<br><br>Reviewed by API subcommittee 05 Feb 2021<br><br>Accepted                                                                        | N/A                                                                                                                                                                                                                          | Private 5G/LTE is using Tungsten Fabric hosts and Kubernetes orchestration.<br><br>Vuls: Accepted using Network Cloud and TF approval<br><br>Lynis: Accepted using Network Cloud and TF approval<br><br>Kube-Hunter: Accepted using Network Cloud and TF approval<br><br>See: <a href="#">Network Cloud and TF (Tungsten Fabric) Integration Project</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes |
| 21 | IoT Workloads at the Smart Device Edge - Predictive Maintenance (with a Thermal Imaging Camera, vibration sensors, etc.)<br><br>V S<br><br>Aaron Williams | Scheduled at Release 4 Review 2020-12-09                    | Y | N | <a href="https://nexus.akraino.org/content/sites/logs/ai_solutions/job/Eden-flir/">https://nexus.akraino.org/content/sites/logs/ai_solutions/job/Eden-flir/</a>       | Predictive_maintenance_Akrai no.docx (version 2)    | Form uploaded<br><br>Reviewed by API subcommittee 11 Dec 2020 , waiting for revised API info form to be uploaded<br><br>2nd revision of form uploaded 18 Dec 2020 by V S<br><br>Final review by API subcommittee set for 08 Jan 2021<br><br>Reviewed by API subcommittee<br><br>Accepted | Have an exception                                                                                                                                                                                                            | <a href="https://nexus.akraino.org/content/sites/logs/ai_solutions/job/Eden-flir/">https://nexus.akraino.org/content/sites/logs/ai_solutions/job/Eden-flir/</a><br><br>Lynis.txt vuls.txt<br><br>01 Apr 2021<br><br>Vuls:<br><br>The vuls.log file needs to be uploaded/provided. It contains the test results to make our security evaluation.<br><br>Also, can you verify which OS and version this blueprint is using is it linuxkit?<br><br>01 Apr 2021<br><br>Lynis:<br><br>The lynis.log file needs to be uploaded/provided. It contains the test results to make our security evaluation.<br><br>22 Mar 2021<br><br>Kube-Hunter: Exception granted: K8s not used by this BP.                                                                                                                                                              | Yes |

03/02~03/2020 Akraino TSC F2F & 2020 Planning meeting

