

# Blueprint Maturity Reviews

## Mature Blueprints

| No. | Project Name                                                                                                                          | PTL             |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1   | <a href="#">Radio Edge Cloud (REC)</a>                                                                                                | Paul Carver     |
| 2   | <a href="#">Connected Vehicle Blueprint</a>                                                                                           | Tao Wang        |
| 3   | <a href="#">IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family</a>                                | Bart Dong       |
| 4   | <a href="#">The AI Edge: Federated ML application at edge</a>                                                                         | Enzo Zhang      |
| 5   | <a href="#">IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family</a> | Davy Zhang      |
| 6   | <a href="#">Smart Cities</a>                                                                                                          | Olivier Bernard |
| 7   | <a href="#">IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family</a>                                                 | jin peng        |

## Blueprints Participating Maturity Review

| No. | Project Name                                                                                | PTL                         | Main Committer                                                                                   | Self-Certification Page                                                                          | Documentation Sub-Committee<br><a href="#">Ike Alisson</a>                                              | Security Logs (Vuls, Lynis, KubeHunter, no need CD log)                                                                                                                                                                                                                                                                                                                                                      | Security Sub-Committee<br><a href="#">Randy Stricklin</a><br><a href="#">Daniil Egranov</a><br><a href="#">Wenhui Zhang</a><br><br>Exception requests should be filed at:<br><br><a href="#">Maturity Blueprints: Akraino CVE and KHV Vulnerability Exception Request</a> | Process Sub-Committee<br><a href="#">Biswajit De</a><br><br><a href="#">haihui wang</a> | TSC<br><a href="#">Tina Tsou</a><br><a href="#">Oleg Berzin</a> |
|-----|---------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1   | <a href="#">The AI Edge: School/Education Video Security Monitoring</a>                     | Yu, Liya                    |                                                                                                  | <a href="#">Maturity Review Certification of Video Security Monitoring Blueprint</a>             | <a href="#">Maturity Review performed over e-mail on May 5th, 2021. Link to the overview: 2021 year</a> | <a href="https://nexus.akraino.org/content/sites/logs/baidu/job/security_scan/aiedge/4/result/">https://nexus.akraino.org/content/sites/logs/baidu/job/security_scan/aiedge/4/result/</a>                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |                                                                                         |                                                                 |
| 2   | <a href="#">IEC Type 2 for Integrated Edge Cloud (IEC) Blueprint Family</a>                 | Trevor Tao                  | <a href="#">ashvin kumar</a><br><a href="#">Vinothini Raju</a><br><a href="#">Muhammad Hamza</a> | <a href="#">Integration Edge Cloud Type 1 and Type 2 Release 2 Maturity Review Certification</a> |                                                                                                         | <ul style="list-style-type: none"> <li><a href="https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/">https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/</a></li> <li><a href="https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/">https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/</a></li> </ul> |                                                                                                                                                                                                                                                                           |                                                                                         |                                                                 |
| 3   | <a href="#">The AI Edge: Intelligent Vehicle-Infrastructure Cooperation System (I-VICS)</a> | Yu, Liya                    | <a href="#">Hao Zhongwang</a>                                                                    | <a href="#">Maturity Review Certification of I-VICS</a>                                          |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                                                                                         |                                                                 |
| 4   | <a href="#">EALT-EDGE</a>                                                                   | <a href="#">huiling liu</a> | <a href="#">Boren Zhang</a>                                                                      | <a href="#">Maturity Review Certification of EALTEdge</a>                                        | <a href="#">Documentation</a>                                                                           | <a href="https://nexus.akraino.org/content/sites/logs/huawei/job/Security-logs/">https://nexus.akraino.org/content/sites/logs/huawei/job/Security-logs/</a>                                                                                                                                                                                                                                                  | <a href="#">6/8/2023</a>                                                                                                                                                                                                                                                  | <a href="#">06/26/2023</a>                                                              | <a href="#">07/20 /2023</a>                                     |

## Records of Details

| No. | Project Name                                                                                                                          | PTL                             | Main Committer                                        | Self-Certification Page                                                                     | Documentation Sub-Committee<br><a href="#">Ike Alisson</a>                                                                                                                                                                                                                                                                                                     | Logs (Vuls, Lynis, KubeHunter)                                                                                                                                                                                                                                                                                                                                               | Security Sub-Committee<br><a href="#">Randy Stricklin</a> <a href="#">Daniil Egranov</a> <a href="#">Wenhui Zhang</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Process Sub-Committee<br><a href="#">Biswajit De</a>  | TSC<br><a href="#">Tina Tsou</a> <a href="#">Oleg Berzin</a> |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------|
| 1   | <a href="#">The AI Edge: Federated ML application at edge</a>                                                                         | <a href="#">Enzo Zhang</a>      | <a href="#">haihui wang</a>                           | <a href="#">Maturity Review Certification of Federated ML Application At Edge Blueprint</a> | <a href="#">Maturity Review Certification of Federated ML Application At Edge Blueprint</a> performed over mail on 01/04 & stored at Documentation Sub-committee reviews for 2022. It is recommended to Akraino TSC to deem the maturity requirements for Documentation to "mature" level as fulfilled and accept the BP graduation request to "Mature" level. | 2/28/2022 Update<br><br><a href="https://nexus.akraino.org/content/sites/logs/fate/fml/mat4/">https://nexus.akraino.org/content/sites/logs/fate/fml/mat4/</a>                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>1/3/2022 Emailed Haihui Wang: AI Edge- Federated ML blueprint has passed the Incubation phase in Release 5 it also meets the Maturity requirements for Vuls. However, The Lynis test requirements are more stringent for Maturity than Incubation. The additional Lynis Maturity criteria can be found at <a href="https://wiki.akraino.org/pages/viewpage.action?pageId=11996301#StepsToImplementSecurityScanRequirements-VulsIncubationandMaturityPASS">https://wiki.akraino.org/pages/viewpage.action?pageId=11996301#StepsToImplementSecurityScanRequirements-VulsIncubationandMaturityPASS</a> AIL in the 'Lynis Maturity: PASS /FAIL Criteria, v1.0' section. Please run the Lynis tests against the AI Edge – Federated ML blueprint and correct issues so that all Maturity tests pass. Once all Maturity tests pass please send the lynis.log output file to the Akraino security team for review.</li> <li>1/14/2022 Emailed Haihui Wang: Below is the analysis that our maturity check script returned for the lynis log for the AI Edge – Federate ML blueprint. All tests that 'FAILED' need to be corrected to be approved for maturity, there are more tests that failed than the one that you listed. For the test ID AUTH-9229 that you described, would you be able to increase the 'rounds' to a value greater than 5000 and expire passwords so that they encrypt with new values?</li> </ul> | Approved by Process Sub-Committee.                    |                                                              |
| 2   | <a href="#">IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family</a> | <a href="#">Davy Zhang</a>      |                                                       | <a href="#">Maturity Review Certification of Android Cloud</a>                              | <b>Documentation Review Meeting notes</b>                                                                                                                                                                                                                                                                                                                      | <a href="https://nexus.akraino.org/content/sites/logs/semi/job/v2/lynis_v2/lynis/">https://nexus.akraino.org/content/sites/logs/semi/job/v2/lynis_v2/lynis/</a><br><br>28 Jun 2022<br><br><a href="https://nexus.akraino.org/content/sites/logs/semi/job/v2/lynis_v3/lynis/">https://nexus.akraino.org/content/sites/logs/semi/job/v2/lynis_v3/lynis/</a><br><br>30 Jun 2022 | 05 Jul 2022<br><br>Approved by Security Sub-Committee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16 Jun 2022<br><br>Approved by Process Sub-Committee. | Approved by TSC                                              |
| 3   | <a href="#">Smart Cities</a>                                                                                                          | <a href="#">Olivier Bernard</a> | <a href="#">Jack Liu</a><br><a href="#">Jason Wen</a> | <a href="#">Maturity Review Certification of Smart Cities</a>                               | <a href="#">Documentation Review Meeting notes</a>                                                                                                                                                                                                                                                                                                             | 07 Jul 2022<br><br><a href="https://nexus.akraino.org/content/sites/logs/myais/bluval/6/">https://nexus.akraino.org/content/sites/logs/myais/bluval/6/</a>                                                                                                                                                                                                                   | 07 Jul 2022<br><br>Approved by Security Sub-Committee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 09 Jul 2022<br><br>Approved by Process Sub-Committee. |                                                              |
| 4   | <a href="#">IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family</a>                                                 | <a href="#">jin peng</a>        | <a href="#">Leo Li</a>                                | <a href="#">Maturity Review Certification of SmartNIC</a>                                   | <b>Documentation Review Meeting notes</b>                                                                                                                                                                                                                                                                                                                      | <a href="https://nexus.akraino.org/content/sites/logs/socnoc/job/security_scan/">https://nexus.akraino.org/content/sites/logs/socnoc/job/security_scan/</a>                                                                                                                                                                                                                  | 07 Dec 2022<br><br>Approved by Security Sub-Committee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                              |

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| 5 | EALT-EDGE | huiling liu | Boren Zhang | Maturity Review Certification of EALTEdge | <a href="https://nexus.akraino.org/content/sites/logs/huawei/job/Security-logs/">https://nexus.akraino.org/content/sites/logs/huawei/job/Security-logs/</a> | <p>2023/6/8</p> <p>Approved by Security Sub-Committee.</p> <p>22 Feb 2023</p> <p><b>Lynus:</b></p> <p><b>Performing test ID BOOT-5184 (Check permissions for boot files /scripts): FAILED</b></p> <p><b>Performing test ID AUTH-9229 (Check password hashing methods): FAILED</b></p> <p><b>Test: Checking SHA_CRYPT_{MIN, MAX}_ROUNDS option in /etc/login.defs: FAILED</b></p> <p><b>Performing test ID USB-2000 (Check USB authorizations): FAILED</b></p> <p><b>Performing test ID USB-3000 (Check for presence of USBGuard): FAILED</b></p> <p><b>Test: Check if one or more compilers can be found on the system: FAILED</b></p> <p><b>Note: Please add links to the Vuls and Kube-hunter logs.</b></p> | 06/26/2023 | 07/20/2023 |
|---|-----------|-------------|-------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|