

Maturity Review Certification of CVB

The Connected Vehicle Blueprint is requesting maturity review .

This page references the requirements in [BP Graduation Review Processes and Criteria](#) specifically the table cell for Incubation -> (Mature) on the second row from the bottom of the page.

- **Validation lab check:**

The Connected Vehicle Blueprint(CVB) Oriented Edge Stack project contributors have deployed and validated the BP with a community member validation lab and LF CD lab with the exact HW and SW configuration for which the maturity review is being requested. All validation labs are connected with Akraino LF CI Logs on the LF CI servers. The logs are pushed from each validation lab's CD testing, and the logs verifies the validation lab check.

- Multiple Jenkins jobs exist for deploying CVB to multiple clusters and for CVB installation and various testing. The jobs listed below are the primary CD jobs. Additional job logs can be viewed on Nexus, but these listed here are the relevant ones for Akraino maturity review
- Tencent <https://nexus.akraino.org/content/sites/logs/tencent/MR/cvb/>
- UNH <https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/>

- **Release inclusion check:**

- [Release 2 Planning](#)
- [Release 3 Planning](#)
- [Release 4 Planning](#)
- CVB is included in Akraino Release 4
- [The CVB related API info is accepted on 2020-12-21](#)

- **SW quality/functional check:**

- The validation tests are done in the bare-metal server, and they also can be done in the VMs. Container mode will be supported in the future
- The CVB has passed the Akraino Validation Framework Validation feature project (Akraino Blueprint Validation Framework) (after TSC approval).
- The CVB has passed the security scanning include Lynis and Vuls : <https://nexus.akraino.org/content/sites/logs/parserlabs/r4/jobs/cvb/>

- **HW definition check:**

- Precise HW requirements and descriptions are defined and included in the BP's documentation (as used in both lab validations)
- [CVB Release 4 Installation Doc#HardwareRequirements](#)

- **Upstream dependencies check:**

- Server Side: CentOS 7.8 and CentOS 7.9
- Tars Framework Version: v2.4.13
- IEC Version: v3.0
- Jenkins Version: 2.263.3

- **Documentation check:**

- Documentation is created for Akraino Release 2, 3 and 4, and some minor updates have been made but we are not aware of any significant documentation issues

- **Community Health and Stability check:**

- Meetings are held weekly and minutes are published with a list of attendees <https://wiki.akraino.org/display/AK/Connected+Vehicle+Blueprint+Project+Meetings>
- Meeting content includes welcoming new participants and providing introduction to the projects as well as discussing ongoing progress
- Contributions from Tencent, Ampere, Inwinstack, Arm, L&T Technology Services, supporting multi architectures including Arm and x86