Akraino UI Code Badge

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• How will it be produced

• Where should it be displayed
What is Akraino UI Code badge (1/2)

• A stamp that it informs a user whether a blueprint passed the tests or not
  • Results from different layers are displayed
  • Hyperlinks to the corresponding UI layer results are supported
  • GOLD -> Only mandatory test cases pass

• Prerequisites
  • A specific blueprint must be selected
  • A specific blueprint’s version must be selected
  • A specific lab must be selected
  • For UI mode 1, the user must have executed tests using the value ‘all’ for layer
  • For UI mode 2, the lab owners must have annotated the results with the tested layers

• Limitations
  • Only the latest results are taken into account
What is Akraino UI Code badge (2/2)

- Extensions
  - Recall that tests maybe mandatory or additional (optional)
  - Tests must be annotated by the Jenkins job
    - ‘m’ is used for mandatory tests
    - ‘a’ is used for additional (optional) tests
  - Enable UI user to select mandatory or all test cases for execution
  - Enhance Jenkins to accept this option (for both of UI modes) and execute the corresponding tests
  - Produce different code badges for different set of test cases
    - PLATINUM -> All test cases (mandatory + additional) pass
    - GOLD -> Only mandatory test cases pass
How will it be produced (1/2)

Linux Foundation Akraino CI Pipeline

Akraino Blueprints Landing page

bluvalakraino.org

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Layered Approach to Testing

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How will it be produced (2/2)

Akraino LF VM – UI

Linux Foundation
Akraino CI Pipeline
Nexus Repo

Retrieve results and produce code badge

Blueprint A Validated
GOLD

- Hardware
- Operating System
- Kubernetes
- Openstack

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Notes:
1) We must collaborate with Michael Hall on the Akraino Blueprint Landing page
2) We must collaborate with Eric Ball for connecting blueval.akraino.org to our LF VM
3) Get and deploy the LF VM (collaborate with LF IT)
4) We will integrate Cristina’s lab to our testing infrastructure (UI mode 1)
HW Layer Mandatory Tests

- dmidecode works
- Redfish Test Framework passes 100% (https://github.com/DMTF/Redfish-Test-Framework)

Proposal is all tests defined above are mandatory
OS Layer Mandatory Tests

• Linux Test Project (ltp) passes

Are there any optional tests or test set options in the LTP? Deepak will clarify and make proposal
K8s Layer Mandatory Tests

• Kubernetes conformance tests pass

Proposal is all tests defined above are mandatory for x86
ARM support has a subset of x86 tests
Openstack Layer Mandatory Tests

• Tempest Refstack subset is passed (to be implemented)

Refstack test list is customizable (blacklist)
  • Blacklist file should be provided by PTL with tech argument why
  • Only these remaining will run
  • UI will only display tests that were run
Questions?