

EdgeX Certification Working Group

Meeting Minutes for February 11, 2019

Start 7:00am PST

Attendees:

- Rodney Hess (Beechwood Software)
- Michael Hall (LF)
- Andy Foster (IOTech)
- Jim White (Dell)
- Randy Thompson (Dell)
- Paul Phillips (Dell)

Old Business

Reviewed meeting minutes from Feb 4

Rodney opened the discussion with question about certification = interoperability. Discussion notes:

Certified implies interoperability?

Can something be API compliant and not interoperate?

- Service meets API, but doesn't do right thing

Danger of "Implied assumptions"

- Expectation of API behavior not fully documented
- No "folk lore" – things only the experienced know about

"Black box" test

- Basis of physical certification
- Enable users to pretest prior to certification

DevOps already building CI/CD tests. Does that mean we only need to focus on process? General sense was no, we need to work with them. We may need to suggest new tests or packaging. There may be conflict between their priorities and ours.

Devops has black box tests. Working on expanding coverage tests.

- Ask DevOps to keep certification in mind when building tests
- We want to reuse as much as possible without adding burden to DevOps/QA

Self certification (by users) may requires tests that can run independently

New business

Discussion topic - "What does the ideal certification program look like?"

Discussion notes (not in order):

- Formal program
- EdgeX is the authority (for now)
- does the cert testing and issues certification
- Enable self cert or have it be paid program?
- LF Edge is possible funding source (if needed)
- Ability, in automated fashion, to test any service against a black box test so it conforms to EdgeX standards/principles
- Could be multiple types of certifications depending on type of service?
- Certifying to a release (testing tools are based on a release (+patches?))

Related points that came up

- EdgeX certification impact on other LF Edge projects?
- How can we detect if an EdgeX release breaks certification?
- Part of release process/docs?
- Cert may not be interoperable with newer releases
- Notify requestors if we are certifying and know changes are coming in a near release that may break certification
- Black box tests are per service API, but do check some other interactions

Summary

- Defined process for requesting, testing, and results (pass/fail)
 - Enable self-certification or have formal program
 - Free or paid?
- Ability for users to run cert tests before they submit, or for their own internal validation
- Maintain a public list of certified products
- Ability to enforce/police - process for removing certification, legal against someone using cert logo
 - Any legal docs required before and after certification?

Goal is to articulate our vision for the certification program so we can begin to socialize it within the community and so we have a north star to help set priorities.

Adjourned 8:00am PST

Next meeting will be Feb 18 at 7:00am PST.

Respectfully submitted,

Randy Thompson