2023-07-10 Architecture WG Meeting Notes

Date

10 Jul 2023

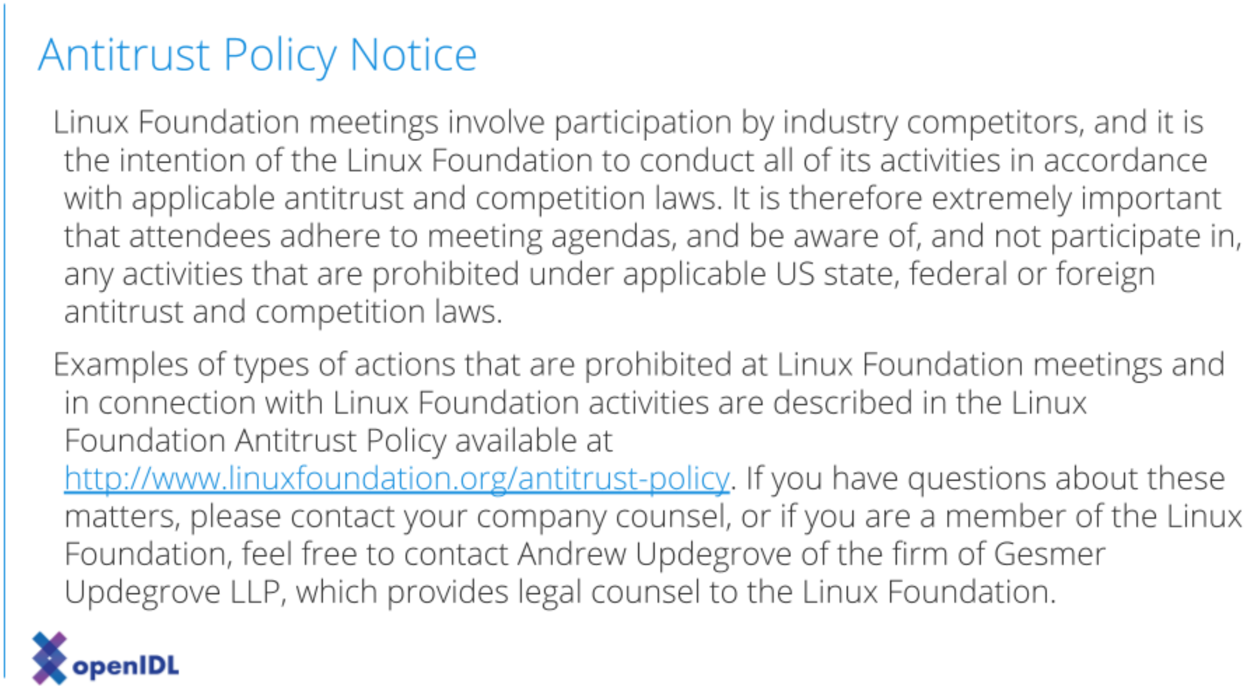
ZOOM Meeting Information:

Monday, July 10, 2023, at 11:30am PT/2:30pm ET.

Join Zoom Meeting

https://zoom.us/j/7904999331

Meeting ID: 790 499 9331



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openIDL

Attendees:

- Ken Sayers (AAIS)
- Josh Hershman (openIDL)
- Jeff Braswell (openIDL)
- Peter Antley (AAIS)
- Ash Naik (AAIS)
- David Reale (Travelers)
- Faheem Z (Hanover)
- Joseph Nibert (AAIS)
- Tsvetan Georgiev (Senofi)
- Yanko Zhelyazkov (Senofi)

Agenda:

- Update on openIDL Testnet/Workshops (SeanB)
  - openIDL NodeBuilder Workshop 2023
- IWG update (YankoZ)
- Update on RRDMWG and internal Stat Reporting with openIDL (Peter Antley)
- AWG Goals:
  - document architecture to identify ingress and egress ports and content
  - identify technologies that cause issues (cognito, ses, postgreSQL)
  - discuss ci/cd technologies and containerization strategies

    - configuration options (SaaS, Multi-Tenant, Split, Whole Enchilada)
- AOB:

Notes:

- RRDMWG
    - Demoing table with multiple filters on OLGA at net AWG
    - Cognito doesn't pass spec with Hartford, would like to find auth service everyone likes
- AWG Goals
    - Consider setting goals, open questions, using Architecture Decisions to guide it
    - Couple tech components are challenging for diff carriers (Hanover + AWS, Hartford + Cognito)
    - Goal of this team - define arch of the 1.0, does or doesn't take into account these concerns
    - Carriers concerned about whats going in and out of their clouds
        - whats inside, what has to go out, what ports, what do we need to know about ingress and egress points
        - high level doc/diagram to represent it
        - need a doc that clearly answers question
    - One of the more challenging areas to deploy, "Whole Enchilada", installing whole node into carrier cloud - lot of CI/CD and IOC involved
        - while maybe same tools, maybe using open source vers and carriers use enterprise vers, config is an issue
        - seems like there is concern on IAC and CICD tech
        - supporting inside a carrier
        - Configuration options/ deployment options
        - whole enchilada vs split
        - adapter that listens for request for EP and then returns results
        - System as a service approach, everything hosted
        - multi-tenant approach
    - Step back and redefine some things our arch is founded on
    - get diagrams AND OPTion analysis
    - best place to start, goal of arch doc telling what ingress/egress are, ID tech causing issues, CI/CD, config options
    - goals this team could establish and work towards, sense of moving forward and it is time to establish to guide us in our work
    - too much reporting out and not enough moving forward
- What do we think about setting goals, are these good goals?
    - Point about access is the right thing - multi level/multi layer
    - Cognito vs Olga - a lot of cognito is for AWS space to get access - would OLGA be managed interface for data
    - OLGA as alt to cognito?
    - Validation in OLGA is validating data coming in
    - Cognito logs into OLGA
    - Cognito also for logging into AWS? No that's IAM (services in console), Cognito for app access, services underneath
    - Cognito gets you user access to certain roles, give you access to specific resources
    - On OLGA, going into this, season of building, idea - pretty much cloud agnostic app from user perspective, have button and modal to upload file, no direxct access to AAIS
    - GUI to send files, anything that requires access - app auth
    - intent of looking at OLGA as app to provide access, seems like carrier orgs would have other reasons for access to their AWS spaces
    - Way we will set up Cognito, no auth to do random things for AWS
    - Carriers use other tools than Cognito, not done that they wont allow Cognito at Hartford, but they dont want to, point there - ID tech causing issues, if 20 of them, then that tells you one thing, 4-5 is something else
    - Extra effort to make them abstract, openAPI (like OAuth)
    - OAuth recognized enterprise standards (instead of 20 diff things across carriers)
    - Broader Objective - und diff types of access to services and roles in the scope of what we are doing
        - AWS access: Kub, Fabric, etc.
        - often with access to DB apps, diff people have logins and inside the db there are logins, one of the issues to explore - where creds are verified and where others are group creds
    - Take the 4 configs on the bottom (SaaS, Multi-Tenant, Split, Whole Enchilada) what is in vs out for the carriers cloud?
        - because there is a lot of security, sec teams need to be able to und what is coming in and out
    - Picturing 4 diagrams with some lines that go in and out of the carrier cloud, documenting whats going across
- Travelers documented pain points
    - retro of some kind on nodebuilder
    - list of places where things are difficult
    - place to get the first level of identifying technologies that cause issues
- if things like AWS or Cognito cause trouble, this needs to be a pure SaaS offering
    - simple or it doesn't work
    - feels like a more general statement
    - get it defined and why it is like that
    - "install in your cloud" - not that easy
    - thinks we still have a lot of challenges there, try to bring into a cohesive statement
    - "this is why SaaS makes so much sense"
    - new wrinkle - not old tech, will have bifurcations of Azure vs AWS, OKTA vs ?, so many it will have to be, no stack amenable to more than a few people at any given time
    - gotta be packaged, how to articulate it
    - all have issues
    - even if biz folks on board, still having an internal challenge going to arch org to get an exception
    - so much easier to say "here is a SaaS platform"
- Goal of ent control of their own data, objective
- want a variety of diff ways of connecting to a network like system so there is choice (not all or nothing)
- aggregate makes sense, but any given carrier that optionality isn't a value, only want to do it one way (their way)
- in theory - over indexing how valuable
- get to point where all see where risks and probs are
- first and last bullet - optional footprints, level of ID where ins and outs are
- meat on these bones, have opinions but need to substantiate them

- if you are going to be a SaaS offering, who offers it?
- if standard was established, not single SaaS, implementation diff from deciding how it would happen
    - model has been to have a senofi, chainyard, be avail
    - AAIS and LF dont run infra, build, setup and maintain nodes on behalf of carriers
    - depends which parts of value prop want to maintain
    - standardize SaaS or set of standards?
    - how much of original value prop you want to maintain
- Pictured the split - a hybrid - everything you dont want in your cloud is SaaS, rest in carrier node (adapter)
- "why do i trust another entity any more than AAIS, what did I just solve?"
- AAIS needs to find another model, feeling comfortable with raw data, where trust moves
- very few times run their own cloud environments for corp data outside of workloads
- most of the time, when time to productionalize, will be in carrier-owned pub cloud or pure saas offering
- referring to carrier-owned cloud where IP are helping to maintain, providers with skillsets to make it easier
- even though a carrier might use IP, having them work within their cloud infra need to go thru tech governance, security and setup
- if you dont you are letting them live in their environment
- doesnt save much to outsource the work b/c still needs to support in their cloud
- diff ways to access diff services
- our specific issue for T, looking at it from an Arch perspective, have concerns
- dont think in the long run they wil be the only ones, more we get ahead and think through, easier to talk to other carriers
- gonna run into similar issues with other Carriers
- make it cleaner, dont go with a laundry list, "how to I set this up?" they want a clean answer, SaaS is cleaner
- need a yardstick, how are we doing convincing a carrier -

Time	Item	Who	Notes

Documentation:

Notes: (Notes taken live in Requirements document)

Recording: