2022-11-21 Architecture WG Meeting Notes

Date

21 Nov 2022

ZOOM Meeting Information:

Monday, November 21st, 2022 at 9am PT/12pm ET

Join Zoom Meeting

https://zoom.us/j/7904999331

Meeting ID: 790 499 9331

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openIDL

Attendees:

- Sean Bohan (openIDL)
- Mason Wagoner (AAIS)
- Yanko Zhelyazkov (Senofi)
- Peter Antley (AAIS)
- Ken Sayers (AAIS)
- Tsvetan Georgiev (Senofi)
- Faheem Zakaria (Hanover)
- Jeff Braswell (openIDL)
- Nathan Southern (openIDL)
- Ash Naik (AAIS)
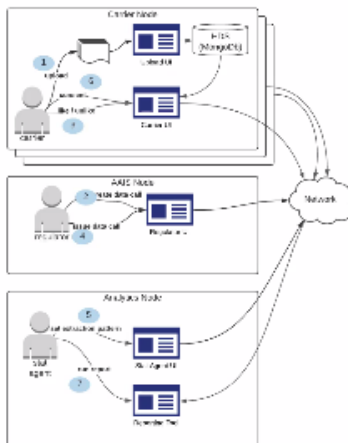- Milind Zodge (Hartford)
- Dhruv Bhatt

Agenda:

- Scheduling:
    - No ArchWG Call Mon 11/28
    - No TSC Call next Thurs
- Recap of architecture diagram

Notes:

- Last week - high level functionality of different (nodes)
- Vocab - node looks like configurable

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- Raw data, uses ETL to create stat plan data currently sent to AAIS/ISO/wherever
- for openIDL process to load into HDS
- process/functionality to load data into HDS is what we call the data modeule
- documenting high level funct in diff modules
- main functions of the data module is to get data into hds
- take data out of HDS, provide to control module
- Control Module - where control of data call happens
  - creation thru UI
  - likes/consents from UI
  - control module instantiated mult times on the network
  - one for every org on the network (at least 1 per)
  - allows them to engage network as an org, participate in data calls, agree to like/consent to diff reports
  - data module inside the enterprise
  - control module hosted outside
  - works for some and not for other carriers
  - carrier/enterprise is hosting the control module and data module
  - not making decision right now, just illustrate funct supported by these modules
- Carrier node will have modules that let them engage network functionality
- "Node" = pink and blue box
- data module and control module from openIDL
- Fabric has notion of org or peer node - NOT openIDL node
- chain code user interface request
- Modules - logically separated, what resp are as part of openIDL network
- adapter - where we execute the extract of the data (inside data module right now)
- data module
  - gets data into HDS
  - extraction of data from HDS
  - responding sync or async to requests for data
- control module manages data calls, likes consents
  - requests extraction of data
  - initiated on control module at the right time
- <Ken Powerpoint Demo for ND>
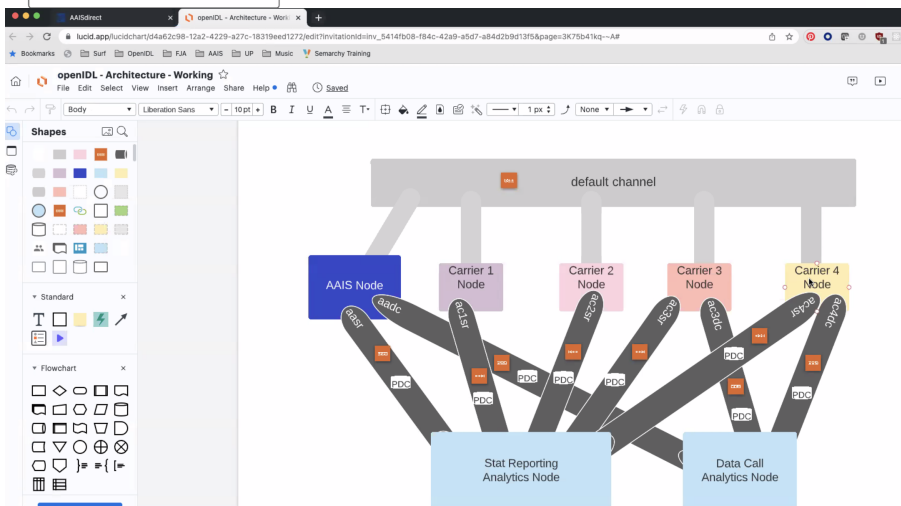- outlines flow of data call

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openIDL – Data Call Scenario
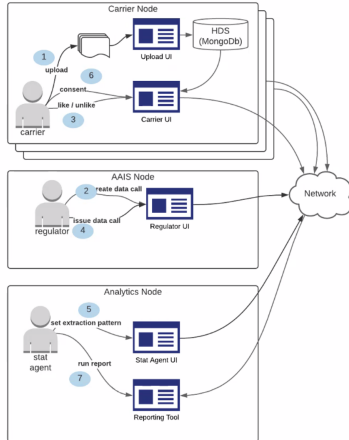
1. Carriers Upload Data into Harmonized Data Store
2. A regulator creates a data call
3. Carriers Like/Unlike the data call
   1. This could lead to multiple drafts of the data call

- Taking full process and breaking out across all modules
- know the flow and the function of each, break down what is happeing in diff parts
- data call is the business request ("DOI wants to see all uninsured motorists May 2021") - from regualtor req buiness report to be created
- EP is how to get the data out of the HDS (as described by DOI in data call)
- EP - can reuse or use again a data call, possible many to many but logically 1-1
- for data calls generally have 1:1 (diff dates and times)
- same EP, new data call for all intents and purposes
- normally 1 data call and 1 EP, issue another EP create another data call
- assign EP to data call
- EP is map reduce for mongo, could be anything (SQL, whatever)
- EPs may change time to time
- may want to reuse data calls - review EP once and when Data Call comes "I know this"
- governance process? Use, agree, reuse?
- data calls in general - may have things like stat report run every year, agree as long as nothing changes but date
- Classification
- maybe carrier has already seen and agreed at EP level
- make sure doesn't change on the ledger
- currently getting in weeds - EP is stored on ledger, then connected and stored in data call
- needs to go thru review process, once reviewed and approved, can be reused, added to chaincode to support it
- requesting of data now useing priv data collectioin to remove resuts from carrier to analytics node
- control module moving results of EP, carrier control module via adapter grabs results via PDC, where report processor will eventually run
- move data fom result of api call to analytics channel
- Result data to analytics channel PDC
- ecapsulating ledger tech so the knowledge of hor to interact ledger thru control module
- some funct left
- once thru control module, data from carrier node now in analuytics node in pdc on a per carrier basis
- carrier 1 thru 11, now need to trigger report
- Maturity of the data call
- all of data and consents completed before deadline
- end of deadline, chron job executes and looks for processor
- linkage between results of EP and the data call and thats data call ID
- currently consent is trigger for EP, should not happen
- connection between result (un map-reduce for EP, new collection in Mongo, also stored in s3 for logging, calls into chaincode, (CA01 - specific analytics channal
- when consent given,
- data avail to analytics node as soon as consent happens

- we SHOULD hold off until maturity
- "2 phase consent" not addressed yet
- two things there
- raw summation of data across all carriers doesnt make sense
- if you do averaging on carrier node, needs to be re-averages
- minimal processing on analytics node
- dale mentioned "if one of 10 carriers i dont want to be noticed"
- anoymized consent
- degree of flexibility at the beginining
- 2 phase consent is easy to see and understand what it means
- current procedding not hppeing at right time
- do now have a fully functioning report provcressor
- Next ArchWG Call
  - Detail the control module and analytics module

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Time	Item	Who	Notes

Documentation:

Notes: (Notes taken live in Requirements document)

Recording: