2023-03-13 Architecture WG Meeting Notes

Date

13 Mar 2023

ZOOM Meeting Information:

Monday, March 13, 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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Attendees:

- Sean Bohan (openIDL)
- Mason Wagoner (AAIS)
- Joseph Nibert (AAIS)
- Dale Harris (Travelers)
- Ken Sayers (AAIS)
- Yanko Zhelyazkov (Senofi)
- Satish Kasala (Travelers)
- Peter Antley (AAIS)
- Faheem Zakaria (Hanover)
- Tsvetan Georgiev (Senofi)
- Ash Naik (AAIS)
- Dhruv Bhatt (Hartford)

Agenda:

- Update on ND POC
- Update on openIDL Testnet (Jeff Braswell)

- Update on internal Stat Reporting with openIDL (Peter Antley)
- Update on Infrastructure Working Group (Sean Bohan)
- MS Hurricane Zeta POC Architecture Discussion (KenS)
- Architecture Decision Capture Process (KenS) - Discussion
- HDS architecture decisions (PeterA) - Discussion
    - Schema Management via Excel vs SQL and Flyway
    - Database vs Data warehouse
    - Expiration dates on codes
    - mutable vs immutable codes, (why would we recycle a code)
- openIDL contributor engagement (James Madison) - Discussion
- AOB:
- Future Topics:

Notes:

Time	Item	Who	Notes

Documentation:

Notes: (Notes taken live in Requirements document)

- ND POC (KenS)
    - Second data call today
    - All carriers have data in
    - Second report for VINs not registered
- openIDL Testnet (JeffB)
    - pickup in action: attempts to get carriers on board
    - coord and orchestration
    - contributor engagement
    - Hanover - map data to auto stat plan format
    - Travelers & Hartford
    - coming weeks and months: significant progress
    - work together on mult fronts
- Internal stat reporting (PeterA)
    - decode tables, artifacts, schema management
    - updates - JamesM requested a detailed presentation on data layer - March 27
    - how can we offload some of the work onto business poeple and changing dimensions over time if at all
    - phys join of tables, claim and policy views, modeling of steps
    - expanding documentation significantly
    - every other month since june is settling into mature
    - decode -stat plan and personal auto - foundation done this AM
    - carriers - need to put stat data into HDS, produce stat records per stat handbook
    - only need to load stat records and can start reporting
    - (peter screenshare)
    - https://semver.org/
      https://github.com/openidl-org/openidl-main/tree/etl-pka-flyway/openidl-hds-ddl/ref/pa/tables
    - https://github.com/openidl-org/openidl-main/blob/etl-pka-flyway/openidl-hds-ddl/ref/pa/tables/V0.0.1.6__pa_stat_stg.sql
    - utilizing JS to write out sql, sql scripts managed by flyway
    - work with proper keys for joins
    - Dale - James thought we might put results in excel so excel tab for each table so tables create definitions
    - documentation - practice of updating data model
    - coverage codes - json, states, can upgrade json from excel, converted from json to excel, config doc + js file
    - tools - bolt ons on top of db
- Joseph: FlyWay
    - <demo>
    - containerization from dev side
    - FlyWay - great db management tool, as a container
    - FlyWay has versioning schematic - they went with semantic version
    - maintains version control
    - containers will make it easier
    - operationally what the data model will drive
    - educating carriers to do this
    - ran earlier, can stop it, migrates all of these
    - can do it in source control
    - Flyway effectively does checksum on every file, maintains data integrity
    - parallel for EP schema?
    - EP written by dev, could set up repo and put in flyway to keep EPs, but each EP should be kept in Git somewhere, not re-ran, on ledger best ref point
    - 2 parts - creation of EP schema, other is
- Mason analytics
    - peter task: write simple sql tables for lines of business

- get idea of where we are, what completed, map out getting tables up and running will look like
- personal auto, went thru, 33 tables needed to bring over to use
- GT2
- most tables from statplan directly
- some stat plans have mult lines of business
- some repeatability in categories, found things in stat plan, not which need table to be integrated
- more breakdown of how each stat plan is looking to keep account of
- 201 tables out of all stat plans
- completed 99 of 201
- view of how this is looking for timing and expectations
- code tables - take codes and give description
- for each code that comes in we need a ref table, and we need a way to decode, load, make script for each table and view, put in flyway, allow easy managed db across all these areas
- codes across diff business lines the same? very few to none
- none can be skipped w/o thorough review
- coverage codes - lot of copy-paste
- will speed up a lot as they get going, not as much overlap as you think
- transaction code would have secondary key as line of biz?
- opportunity to do analysis across lines of business
- look out for it in a few places, def opportunity for cross-lines
- have to get to next level beyond what Mason showed - data dictionary for all of them
- intern request
- can do it for tables named the same across lines, see where they lined up
- version zero - can change anything we want and what a good releaser looks like
- goal for this week - get auto coverage report gen again based on high end ETL decode job
- Architecture Decision Capture Process (KenS) - Discussion
  - Process for capturing decisions
  - openIDL - Architecture Decisions

Recording:

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