2023-02-27 Architecture WG Meeting Notes

Date

27 Feb 2023

ZOOM Meeting Information:

Monday, February 27, 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:

- Sean Bohan (openIDL)
- Nathan Southern (openIDL)
- Peter Antley
- Rambabu Adabala (Hartford)
- Mason Wagoner (AAIS)
- Ken Sayers (AAIS)
- Joseph Nibert (AAIS)
- Jeff Braswell (openIDL)
- Dale Harris (Travelers)
- Yanko Zhelyazkov (Senofi)
- David Reale (Travelers)
- Brian Hoffman (Travelers)
- Faheem Zakaria (Hanover)
- Ash Naik (AAIS)
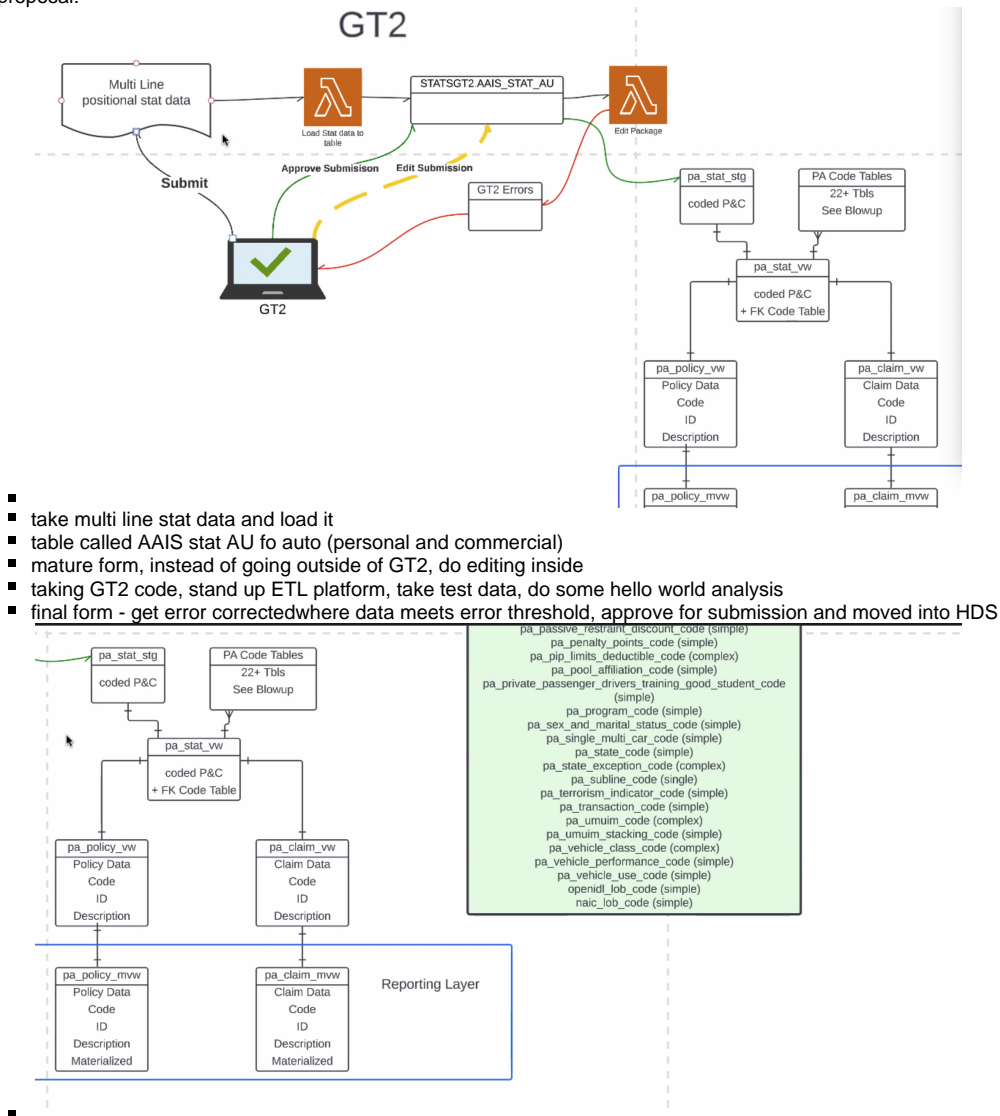- Tsvetan Georgiev (Senofi)

Agenda:

- MS Hurricane Zeta POC Architecture Discussion (KenS)
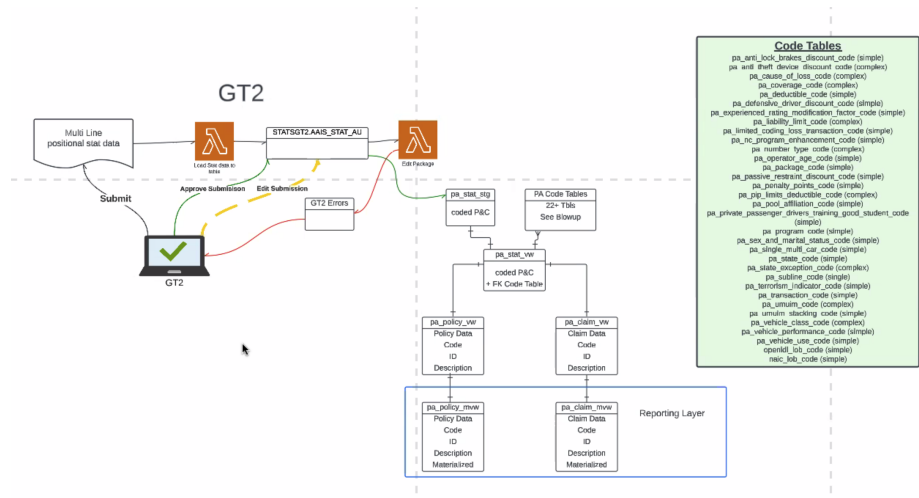- ETL Discussion (PeterA)
- AOB:

- Future Topics:
- IWG: Senofi's work looking at the Blockchain Automation Framework and why they went with Fabric Operator.
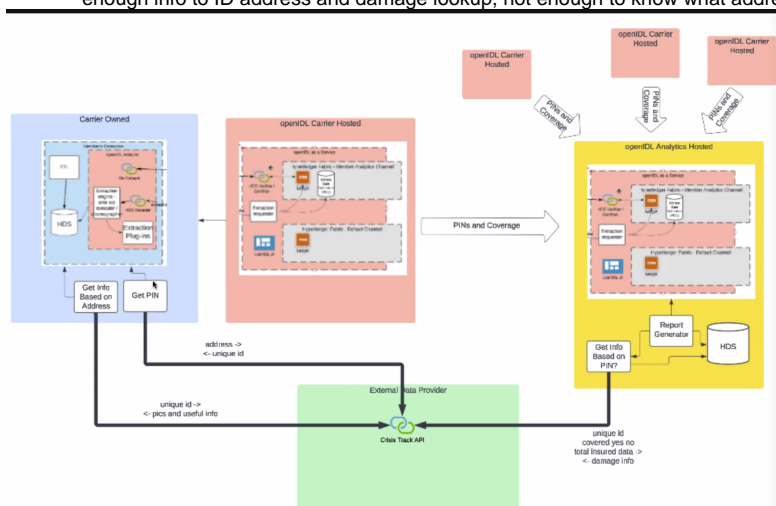
Notes:

- ETL Discussion (PeterA)
  - From policy and claim data, dta calls can be answered, reports can be created
  - 12 months ago utilizing Mongo (which doesn't do joins)
  - Used node.js to decode stat messages, make the human readable so business users can work with them
  - EPs on single table design too much, changed data store to relational DB, settled on postgres
  - Postgres 15 - latest stable version, standard to styart with
  - More resilent load instead of recoding
  - putting together how to make load happen, edit packages
  - before HDS need to load it in and run edit package and make sure data is good before we load the dfata
  - PA's proposal:

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  - take multi line stat data and load it
  - table called AAIS stat AU fo auto (personal and commercial)
  - mature form, instead of going outside of GT2, do editing inside
  - taking GT2 code, stand up ETL platform, take test data, do some hello world analysis
  - final form - get error correctedwhere data meets error threshold, approve for submission and moved into HDS

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  - tables used around personal auto
  - stat table has coded policy and claim (P&C)
  - will require 22 reference tables
  - *vw: pa* stat_vw
    view for policy AND view for claim
  - policy data, + code+id's + description
  - views materialized
  - pre=aggregates data, dont deal with
  - are we using common canonical standards? comes im as stat data and run rules
  - decoded and readily available
  - Goal - AIS - 2 week sprint - get as much built as possible, updating EP
  - GT2 on the agenda for next AWG

- Schema Migration Procedures as a future topic
- Joseph:
  - good exp with flyway - db migration and versioning control for DBs
  - create sql scripts, give file name, flyway will load them in order, if someone changes scripts flyway does checksum, way to have master management for db table
  - serialization of DDL? Yes
  - well known package - good addition
  - KS - put in the ref imolementation, governance function to be consistent, want to get all onto the same page
- FZ
  - governance and requirements
- MS Hurricane Zeta POC Architecture Discussion (KenS)
  - project working with MS Emergency Management and a large carrier and third party to solve diff problems
  - understand requirements that arent stat reporting
  - prove openIDL can be used to repro hurrican zeta data call
  - use large carrier data, create report that matches
  - AAIS would host node for POC
  - POC will show
    - first part not big reach - subset of stat plan, live production data, repro production report
    - openIDL can provide on demand reports across carriers related to insurance coverage for affected properties - way to connect insurance of properties to those that are damaged
    - same data used for openIDL can be used to gather pictures and extra info from policies
  - Participants
    - AAIS
    - Senofi
    - Carrier
    - Crisis Track
    - openIDL Testnet
  - Loading data into HDS
    - using address for some functionality, esp for damage to a specific property
    - property ID # introduced (CrisisTrack, only they would know)
    - enough info to ID address and damage lookup, not enough to know what address really was

  - before data can be loaded into HDS, make sure front end process to clear the address, exactly what returning damage info for
  - how many and which are damaged is the base report
    - concern about exposing info

- hard to fault regulator wanting to understand the risk and whats covered with a catastrophe coming, but need to better understand the data flows
- Without address, the counts could be interesting depending on how resolved
- pockets where one carrier is majority is a problem
- same constraints on carrier info exposed, not too much from one carrier, etc.
- consent
- other considerations
  - industry does this and state says "70% of properties has insurance, 30% dont", then pull in mortgage info
  - see the need
- JB - only reg would see this, but protecting that, excellent and timely for benefits of openIDL - great application
  - KS
    - any desire to participate let KS know
  - Is crisis track charging? KS believes yes, no specifics yet
- North Dakota
  - ran report for Jan for insured VINs vs registered VINs
  - 46% of registered VINs were insured
  - some data quality issues
  - 21% of VINs submitted were not registered (maybe out of state, formatted poorly, bad VINs, etc.)
  - offered to carriers to tell them which VINs not registered, telling each carrier which are not registered
  - interesting feedback loop
  - data quality issues, matches not happening
  - which VINs are not registered, tell them what they can do
  - will run again in March for Feb data and April for March data

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Time	Item	Who	Notes

Documentation:

Notes: (Notes taken live in Requirements document)

Recording: